

Supervisors list

Forestry..... Page 2-29

Forest engineering.....Page 21-50

Environmental engineering..... Page 51-71

Dr. Lin Cao



Personal information

Current position	Associate Professor
University	Nanjing Forestry University
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Educational background

From	To	University/Institution	Degree and Major
2011	2016	University of British Columbia (Canada) /Faculty of Forestry	PhD in Forestry (Remote Sensing)
2006	2008	Nanjing Forestry University (China) / College of Forestry	M.S. in Forest Management
2002	2006	Nanjing Normal University (China) / College of Geography	B.S. in Geographic Information System

Research projects

From	To	Title of Project	Position	Project Description
2017	2020	High accuracy forest vertical structural parameter extraction using LiDAR in planted forests	PI	National Key R&D Program of China
2018	2021	Research on monitoring biomass dynamics of planted forests using multi-temporal airborne full- waveform LiDAR	PI	National Natural Science Foundation of China
2015	2017	Research of optimized extraction of small-footprint full-waveform LiDAR based metrics and forest biomass inversion	PI	National Natural Science Foundation of China

Selected Publications

Year	Publication
2019	Cao, L.* , Coops, N., Sun, Y. et al. Estimating canopy structure and biomass in bamboo forests using airborne LiDAR data. <i>ISPRS Journal of Photogrammetry and Remote Sensing</i> . 2019, 147.
	Polewski, P., Yao, W., Cao, L.* et al. Marker-free coregistration of UAV and backpack LiDAR point clouds in forested areas. <i>ISPRS Journal of Photogrammetry and Remote Sensing</i> . 2019,147,307-318

	Cao, L. , Zhang Z., Yun, T. et al. Estimating tree volume distributions in subtropical forests using airborne LiDAR data. <i>Remote Sensing</i> ,2019,11(1),97.
2018	Liu, K.#, Shen, X.#, Cao, L.* et al. Estimating forest structural attributes using UAV-LiDAR data in Ginkgo plantations. <i>ISPRS Journal of Photogrammetry and Remote Sensing</i> . 2018,146,465-482.
	Shen, X., Cao, L.* , Chen, D. et al. Prediction of Forest Structural Parameters Using Airborne Full-Waveform LiDAR and Hyperspectral Data in Subtropical Forests. <i>Remote Sensing</i> ,2018,10(11),1729.
2017	Shen, X., Cao, L.* . Tree-species classification in subtropical forests using airborne hyperspectral and LiDAR data. <i>Remote Sensing</i> , 2017, 9(11), 1180.
	Zhang, Z., Cao, L.* , She, G. Estimating forest structural parameters using canopy metrics derived from airborne lidar data in subtropical forests. <i>Remote Sensing</i> , 2017, 9(9), 940.
2016	Cao, L.* , Coops, N., Innes, J. et al. Estimation of forest biomass dynamics in subtropical forests using multi-temporal airborne LiDAR data. <i>Remote Sensing of Environment</i> , 2016, 178, 158–171.
	Cao, L.* , Coops, N., Innes, J. et al. Tree species classification in subtropical forests using small-footprint full-waveform LiDAR data. <i>International Journal of Applied Earth Observations and Geoinformation</i> , 2016, 49:39-51.
	Cao, L.* , Gao, S., Li, P. et al. Aboveground biomass estimation of individual trees in a coastal planted forest using full-waveform airborne laser scanning data. <i>Remote Sensing</i> , 2016, 8(729):1-21.

Dr. Jinhui Chen



Personal information

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Educational background

From	To	University/Institution	Degree and Major
2007	2008	Freiburg University	Postdoctoral Research
1998	2003	Nanjing Forestry University	PhD
1993	1997	Anhui University	Bachelor

Research projects

From	To	Title of Project	Position	Project Description
2017	2020	Molecular Breeding of <i>Liriodendron hybrids</i>	PI	For molecular breeding of <i>Liriodendron hybrids</i> , we use genome, transcriptome, proteomics theory and methods to identify important gene families related to plant growth and development . We make genetic transformation and Crispr editing techniques to breed new varieties.
2017	2020	Large Scale Propagation and Utilization of <i>Liriodendron hybrids</i>	PI	<i>Liriodendron hybrids</i> is a famous landscape and timber tree. We propagate it with somatic embryogenesis and plant the regenerated plantlets across China to test their adaptability and select new varieties for large scale utilization.

Publications

Year	Publication
2018	Chen J, Hao Z, Guang X, Zhao C, Wang P, Xue L, Zhu Q, Yang L, Yu Sheng1 , Zhou Y, Xu H, Xie H, Long X, Zhang J, Wang Z, Shi M, Lu Y, Liu S,

	Guan L, Zhu Q, Yang L, Ge S , Cheng T, Laux T, Gao Q, Peng Y, Liu N*, Yang S*, Shi J* (2018) Liriodendron genome sheds light on angiosperm phylogeny and species-pair differentiation. Nature Plants 10.1038/s41477-018-0323-6
2017	Cheng T, Shi J, Dong, Y, Ma Y, Peng Y, Hu X., Chen J. Hydrogen sulfide enhances poplar tolerance to high-temperature stress by increasing S - nitrosoglutathione reductase (GSNOR) activity and reducing reactive oxygen/nitrogen damage[J]. Plant Growth Regulation, 2017(9):1-13
2018	Lu Lu, Xia Li, Zhaodong Hao, Liming Yang, Jingbo Zhang, Ye Peng, Haibin Xu, Ye Lu, Jin Zhang, Jisen Shi, Jinhui Chen & Tielong Cheng (2017): Phylogenetic studies and comparative chloroplast genome analyses elucidate the basal position of halophyte Nitraria sibirica (Nitrariaceae) in the Sapindales, Mitochondrial DNA Part A, DOI: 10.1080/24701394.2017.1350954
2017	Zhou X, Zheng R, Liu G, Xu Y, Zhou Y, Laux T, Zhen Y, Harding SA, Shi J and Chen J (2017) Desiccation Treatment and Endogenous IAA Levels Are Key Factors Influencing High Frequency Somatic Embryogenesis in Cunninghamia lanceolata (Lamb.) Hook. Front. Plant Sci. 8:2054. doi: 10.3389/fpls.2017.02054
2016	Zhou Y, Li M, Zhao F, Zha H, Yang L, Lu Y, Wang G, Shi J, Chen J (2016) Floral Nectary Morphology and Proteomic Analysis of Nectar of Liriodendron tulipifera Linn. Frontiers in Plant Science 7.
2016	Zheng W, Chen J, Hao Z, Shi J (2016) Comparative Analysis of the Chloroplast Genomic Information of Cunninghamia lanceolata (Lamb.) Hook with Sibling Species from the Genera Cryptomeria D. Don, Taiwania Hayata, and Calocedrus Kurz. International Journal of Molecular Sciences 17.
2016	Wang P, Cheng T, Lu M, Liu G, Li M, Shi J, Lu Y, Laux T, Chen J (2016) Expansion and Functional Divergence of AP2 Group Genes in Spermatophytes Determined by Molecular Evolution and Arabidopsis Mutant Analysis. Frontiers in Plant Science
2015	Li X, Su Q, Zheng R, Liu G, Lu Y, Bian L, Chen J, Shi J (2015) CIRTL1 Encodes a Chinese Fir RNase III-Like Protein Involved in Regulating Shoot Branching. International Journal of Molecular Sciences 16: 25691-25710.
2015	Cheng T, Chen J, Zhang J, Shi S, Zhou Y, Lu L, Wang P, Jiang Z, Yang J, Zhang S, Shi J (2015) Physiological and proteomic analyses of leaves from the halophyte Tangut Nitraria reveals diverse response pathways critical for high salinity tolerance. Frontiers in Plant Science 6.
2015	Chen J-H, Lin S-S, Wang W-X, Yuan S-T, Shi J-S, Jia A-Q (2015) The extract, LXB-1, from the barks of Liriodendron x hybrid, induced apoptosis via Akt, JNK and ERK1/2 pathways in A549 lung cancer cells. Zeitschrift Fur Naturforschung Section C-a Journal of Biosciences 70: 305-311.
2015	Chen J, Hao Z, Xu H, Yang L, Liu G, Sheng Y, Zheng C, Zheng W, Cheng T, Shi J (2015) The complete chloroplast genome sequence of the relict woody plant Metasequoia glyptostroboides Hu et Cheng. Frontiers in Plant Science 6.

2014	Wang P, Cheng T, Wu S, Zhao F, Wang G, Yang L, Lu M, Chen J, Shi J (2014) Phylogeny and Molecular Evolution Analysis of PIN-FORMED 1 in Angiosperm. Plos One 9.
2013	Wang Z, Chen J, Liu W, Luo Z, Wang P, Zhang Y, Zheng R, Shi J (2013) Transcriptome Characteristics and Six Alternative Expressed Genes Positively Correlated with the Phase Transition of Annual Cambial Activities in Chinese Fir (<i>Cunninghamia lanceolata</i> (Lamb.) Hook). Plos One 8.

Dr. Ben Fan**Personal information**

Current position	Professor
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Educational background

From	To	University/Institution	Degree and Major
1996	2000	Nanjing Agricultural University	Bachelor
2000	2003	Nanjing Agricultural University	Master
2014	2016	Humboldt University, Berlin, Germany	PhD

Research projects

From	To	Title of Project	Position	Project Description
2012.1	2014.12	Target regulation of bacterial sRNA lgr3927 upon stimulation by plant root exudates	PI	the National Natural Science Foundation of China (No. 31100081)
2015.7	2018.6	Identification and functional study of <i>Bacillus amyloliquefaciens</i> sRNAs involved in interaction with plants	PI	the Natural Science Foundation of Jiangsu Province (No. BK20151514)
2017.9	2020.8	Mechanism of sRNA regulating biofilm in a biocontrol bacterium	PI	the Key Scientific Project for Jiangsu Provincial Universities (17KJA220001)

Publications

Year	Publication
2018	<i>Bacillus velezensis</i> FZB42 in 2018: the Gram-positive model strain for plant growth promotion and biocontrol, <i>Front. Microbiol.</i> , 16 Oct. 2018 ,doi:10.3389/fmicb.2018.02491
2017	<i>Malonylome analysis of rhizobacterium Bacillus amyloliquefaciens FZB42 reveals involvement of lysine malonylation in polyketide synthesis and plant-bacteria interactions.</i> <i>Journal of Proteomics</i> , 2017(154): p. 1-12.
2017	<i>Bacillus amyloliquefaciens, Bacillus velezensis, and Bacillus siamensis Form an "Operational Group B. amyloliquefaciens" within the B. subtilis Species Complex.</i> <i>Frontiers in Microbiology</i> , 2017. 8 (22).

2017	<i>Malonylome of the plant growth promoting rhizobacterium with potent biocontrol activity, Bacillus amyloliquefaciens FZB42. Data in Brief, 2017. 10: p. 548-550.</i>
2016	<i>New SigD-regulated genes identified in the rhizobacterium Bacillus amyloliquefaciens FZB42. Biology Open, 2016.</i>
2015	<i>dRNA-Seq Reveals Genomewide TSSs and Noncoding RNAs of Plant Beneficial Rhizobacterium Bacillus amyloliquefaciens FZB42. PLoS One, 2015. 10(11): p. e0142002.</i>
2014	<i>Transposon Mutagenesis of the Plant-Associated Bacillus amyloliquefaciens ssp. plantarum FZB42 Revealed That the nfrA and RBAM17410 Genes Are Involved in Plant-Microbe-Interactions. PLoS ONE, 2014. 9(5): p. e98267.</i>
2013	<i>Linking Plant Nutritional Status to Plant-Microbe Interactions. PLoS ONE, 2013. 8(7): p. e68555.</i>
2013	<i>Bacterial Traits Involved in Colonization of Arabidopsis thaliana Roots by Bacillus amyloliquefaciens FZB42. The Plant Pathology Journal, 2013. 29(1): p. 59-66.</i>
2013	<i>Specific and functional diversity of endophytic bacteria from pine wood nematode Bursaphelenchus xylophilus with different virulence. Int J Biol Sci, 2013. 9(1): p. 34-44.</i>
2012	<i>Gram-positive rhizobacterium Bacillus amyloliquefaciens FZB42 colonizes three types of plants in different patterns. J Microbiol, 2012. 50(1): p. 38-44.</i>
2012	<i>Transcriptomic profiling of Bacillus amyloliquefaciens FZB42 in response to maize root exudates. BMC Microbiol, 2012. 12: p. 116.</i>
2011	<i>Efficient colonization of plant roots by the plant growth promoting bacterium Bacillus amyloliquefaciens FZB42, engineered to express green fluorescent protein. J Biotechnol, 2011. 151(4): p. 303-11.</i>
2010	<i>Relationship of Bacillus amyloliquefaciens clades associated with strains DSM7T and FZB42: a proposal for Bacillus amyloliquefaciens subsp. amyloliquefaciens subsp. nov. and Bacillus amyloliquefaciens subsp. plantarum subsp. nov. based on their discriminating complete genome sequences. Int J Syst Evol Microbiol, 2011. 61(8): p. 1786-1801.</i>

Dr. Xiangxiang Fu



Personal information

Current position	Professor
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Mobile	13851741450

Educational background

From	To	University/Institution	Degree and Major
1996	1999	Nanjing Forestry University	M.Sc.
2002	2006	Nanjing Forestry University	Ph.D.

Research projects

From	To	Title of Project	Position	Project Description
2019	2021	Introduction, propagation, and application of ornamental germplasm for Dogwoods	Project leaders	Evaluation, screening and cultivation for adaptive cultivars from North American and local germplasm
2015	2018	Mechanism of sexual differentiation and dichogamy in heterodichogamous <i>Cyclocarya paliurus</i>	Project leader	Elucidation the mechanism of heterodichogamy of medicinal woody plants <i>Cyclocarya paliurus</i> based on evidences from phenological observation, biochemical analysis and molecular methods

Publications

Year	Publication
2018	Leaf angle change and anatomical structure of <i>Populus deltoides</i> , <i>P. cathayana</i> and their hybrid F1[J]. <i>Journal of Beijing Forestry University</i> , 2018, 40(2): 11 -21.
2017	Natural population structure and genetic differentiation for heterodichogamous plant: <i>Cyclocarya paliurus</i> (Batal.) Iljinskaja (Juglandaceae). <i>Tree Genetics & Genomes</i> (2017) 13:80. DOI 10.1007/s11295-017-1157-5
2014	Primary metabolite mobilization and hormonal regulation during seed dormancy release in <i>Cornus japonica</i> var. <i>chinensis</i> . <i>Scandinavian J of Forestry Research</i> , 29(6): 542-551.



Dr. Dejun Hao

Personal information

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Educational background

From	To	University/Institution	Degree and Major
2013	2014	University of Wisconsin-Madison	Visiting Scholar

Research projects

From	To	Title of Project	Position	Project Description
2016	2018		ongoing	
2015	2018	Symbiotic Associations among Microorganisms and Insects, Insects and Host Plants	ongoing	<p>We employ molecular and culturing methods to characterize biodiversity of insect guts bacteria, and address its functions affect the ability of insects to counter pathogens, digest physiology, and contend with plant defensive chemicals.</p> <p>The models insect include pine sawyer beetle <i>Monochamus alternatus</i> and fall web worm <i>Hyphantria cunea</i>.</p>
2011	2015	The role of plant secondary metabolites on the interaction amongst multiple trophic levels		The research project mainly focus on multispecific interactions among host plants, herbivores, and their associated organisms which are dominated by chemical signals that exert feedback amongst multiple trophic levels.

2006	2010	Behaviors, Chemical ecology and control techniques of forest insects	Finished	The work employs both chemical ecology and molecular methods to study the behavior and biology of economic importance pest insects and develop semiochemical-based monitoring and control technologies.
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Publications

Year	Publication
2018	<p>1. Tan Y A, Zhao X D, Sun Y, Hao D J*, Zhao J, Jiang Y P, Bai L X, Xiao L B. The nuclear hormone receptor E75A regulates vitellogenin gene (Al-Vg) expression in the mirid bug <i>Apolygus lucorum</i>. <i>Insect Molecular Biology</i>, 2018, 27(2) :188-197.</p> <p>2. Peng-Cheng Liu, Ju Luo, Shuo Tian, Shao-Ying Wen, Jian-Rong Wei, De-Jun Hao*. Facultative production of multiple-egg clutches in a quasi-gregarious parasitoid: fitness gains for offspring at low developmental temperature. <i>Behavioral Ecology and Sociobiology</i>, 2018, 72(3) :39.</p> <p>3. Gu Tianzi, Zhang Congcong, Chen Changyu, Li hui, Huang kairu, Tian Shuo, Zhao Xudong, Hao Dejun*. Effects of exogenous methyl jasmonate-induced resistance in <i>Populus X euramericana</i> 'Nanlin895' on the performance and metabolic enzyme activities of <i>Clostera anachoreta</i>. <i>Arthropod-Plant Interactions</i>, 2018, 12(2) : 247- 255.</p>
2017	<p>1. Qun Liu, Wei Liu, Baosheng Zeng, Guirong Wang, Dejun Hao, Yongping Huang. Deletion of the <i>Bombyx mori</i> odorant receptor co-receptor (BmOrco) impairs olfactory sensitivity in silkworms. <i>Insect Biochemistry and Molecular Biology</i>, 2017, 86: 58-67.</p> <p>2. Peng-Cheng Liu, Jian-Rong Wei, Shuo Tian, De-Jun Hao*. Male-male lethal combat in the quasi-gregarious parasitoid <i>Anastatus disparis</i> (Hymenoptera: Eupelmidae). <i>Scientific Reports</i>, 2017, 7: 11875.</p>
2016	De Jun Hao , Peng Su, Jesse Pfammatter, Qun Liu, Bin Qi Fan, Yan Wang & Tian Zi Gu. Morphological and genetic characteristics of <i>Brevipalpus lewisi</i> (Acari: Tenuipalpidae) and comparison with other three <i>Brevipalpus</i> species. <i>International Journal of Acarology</i> , 2016, 42(1): 34–40
2015	Qun Liu, YanQiong Zhou, Juan Chen, Dejun Hao* . Defensive Response of <i>Populus deltoides</i> 895 Seedling against exogenous methyl Jasmonate. <i>Pakistan Journal of Botany</i> , 2015, 47(1): 177-188

Dr. Jiang Jiang



Personal information

Current position	Professor, Dean of the College of Forestry
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Educational background

From	To	University/Institution	Degree and Major
2000	2004	Zhejiang Agricultural and Forestry University	B.S. Forestry
2004	2007	Nanjing Forestry University	M.S. Environmental Science
2007	2012	University of Miami	Ph.D. Biology

Research projects

From	To	Title of Project	Position	Project Description
2017	2020	National Key R&D Program of China	PI	Key technologies of structural optimization of low-efficiency timber forest
2018	2020	National Natural Science Foundation of China	PI	Uncertainty analysis of carbon cycle in mangrove ecosystem using model-data fusion
2017	2020	Jiangsu Province Science Foundation for Youths	PI	Model development of carbon cycle base on mangrove heterogeneity

Publications

Year	Publication
2018	Maarten B. Eppinga, Mara Baudena, Daniel J. Johnson, Jiang Jiang, Keenan M.L. Mack, Allan E. Strand, James D. Bever. 2018. Frequency-dependent feedback constrains plant community coexistence. <i>Nature Ecology and Evolution</i> , 2, 1403-1407.
2018	Zheng Shi, Yang Lin, Kevin R. Wilcox, Lara Souza, Lifen Jiang, Jiang Jiang, Chang Gyo Jung, Xia Xu, Mengting Yuan, Xue Guo, Liyou Wu, Jizhong Zhou, Yiqi Luo. 2018. Successional change in species composition alters climate sensitivity of grassland productivity. <i>Global Change Biology</i> , 24, 4993-5003.
2018	Jiang Jiang, Yuanyuan Huang, Shuang Ma, Mark Stacy, Zheng Shi, Daniel M. Ricciuto, Paul J. Hanson, Yiqi Luo. 2018. Forecasting responses of a northern

	peatland carbon cycle to elevated CO ₂ and a gradient of experimental warming. <i>JGR Biogeosciences</i> ,123, doi.org/10.1002/2017JG004040
2017	Shuang Ma,Jiang Jiang,Yuanyuan Huang,Zheng Shi,Rachel M.Wilson,Daniel Ricciuto,Stephen D.Sebestyen,Paul J.Hanson,Yiqi Luo. 2017. Data-Constrained Projections of Methane Fluxes in a Northern Minnesota Peatland in Response to Elevated CO ₂ and Warming. <i>Journal of Geophysical Research: Biogeosciences</i> , 122(11), 2841-2861.
2017	Yuanyuan Huang, Jiang Jiang, Shuang Ma, Daniel Ricciuto, Paul J. Hanson, Yiqi Luo. 2017. Soil thermal dynamics, snow cover, and frozen depth under five temperature treatments in an ombrotrophic bog: Constrained forecast with data assimilation. <i>JGR Biogeoscience</i> . 122(8): 2046-2063
2017	Bo Zhang, Xiaozhen Lu, Jiang Jiang, Donald L. DeAngelis, Zhiyuan Fu, Jinchu Zhang. 2017. Similarity of plant functional traits and aggregation pattern in a subtropical forest. <i>Ecology and Evolution</i> , DOI:10.1002/ece3.2973
2017	Yiqi Luo, Zheng Shi, Xingjie Lu, Jianyang Xia, Junyi Liang, Jiang Jiang, Ying Wang, Matthew J. Smith, Lifeng Jiang, Anders Ahlström, Benito Chen, Oleksandra Hararuk, Alan Hastings, Forrest Hoffman, Belinda Medlyn, Shuli Niu, Martin Rasmussen, Katherine Todd-Brown, Ying-Ping Wang. 2017. Transient Dynamics of Terrestrial Carbon Storage: Mathematical foundation and Numeric Examples. <i>Biogeosciences</i> ,14, 145-161.
2017	Jiang J, Moore J,Priyadarshi A, Classen AT. 2017. Plant-mycorrhizal interactions mediate plant community coexistence by altering resource demand. <i>Ecology</i> . 98(1), 187-197.
2016	Feng W, Shi Z, Jiang J, Xia J, Liang J, Zhou J, Luo Y. 2016. Methodological uncertainty in estimating carbon turnover times of soil fractions. <i>Soil Biology & Biochemistry</i> . 100, 118-124
2016	Rasmussen M, Hastings A, Smith MJ, Augusto FB, Chen-Charpentier BM, Hoffman FM, Jiang J, Todd-Brown K, Wang Y, Wang YP, Luo Y. 2016. Transit times and mean ages for nonautonomous and autonomous compartmental systems. <i>Journal of Mathematical Biology</i> , 1-20.
2016	Gaoue OG, Jiang J, Ding W, Augusto FB, Lenhart S. 2016. Optimal harvesting strategies for timber and non-timber forest products in tropical ecosystems. <i>Theoretical Ecology</i> , DOI 10.1007/s12080-015-0286-4.
2016	Gaoue OG, Ngonghala CN, Jiang J, Lelu M. 2016. Towards a mechanistic understanding of the synergistic effects of harvesting timber and non-timber forest products. <i>Methods in Ecology and Evolution</i> . 7, 398-406.
2016	Jiang J, DeAngelis DL, Teh SY, Wang H, Krauss K, Li H, Smith T, Koh HL. 2016. Defining the next generation modeling of coastal ecotone dynamics in response to global change. <i>Ecological Modelling</i> . 326, 168-176
2016	Wang YP, Jiang J, Chen-Charpentier B, Augusto FB, Hastings A, Hoffman F, Rasmussen M, Smith MJ, Todd-Brown K, Wang Y, Xu X, Luo YQ. 2016. Responses of two nonlinear microbial models to warming or increased carbon input. <i>Biogeosciences</i> , 13, 887-902.

2016	Li H, Jiang J, Chen B, Li Y, Xu Y, Shen W. 2016. Pattern of NDVI-based vegetation greening along an altitudinal gradient in the eastern Himalayas and its response to global warming. <i>Environ Monit Asses</i> , 188(3), 1-10.
2016	Li H, Li Y*, Shen W, Li Y, Lin J, Lu X, Xu X, Jiang J*. 2015. Elevation-Dependent Vegetation Greening of the Yarlung Zangbo River Basin in the Southern Tibetan Plateau, 1999–2013. <i>7</i> , 16672-16687.
2015	Moore JAM, Jiang J, Patterson CM, Mayes MA, Wang G, Classen AT, 2015. Interactions among roots, mycorrhizas and free-living microbial communities differentially impact soil carbon processes. <i>Journal of Ecology</i> , 103, 1442-1453.
2015	Zhai L, Jiang J, DeAngelis DL, Sternberg LSL. 2016. Prediction of plant vulnerability to salinity increase in a coastal ecosystem by stable isotopic composition ($\delta^{18}O$) of plant stem water: a model study. <i>Ecosystem</i> 19(1), 32-49.
2015	Teh SY, Turtora M, DeAngelis DL, Jiang J, Pearlstine L, Smith T, Koh HL. 2015. Application of a coupled vegetation competition and groundwater simulation model to study effects of sea level rise and storm surges on coastal vegetation. <i>Journal of Marine Science and Engineering</i> , 3, 1149-1177.
2015	Jiang J, Fuller D, Teh SY, Zhai L, Koh HL, DeAngelis DL, Sternberg LDL. Bistability of mangrove forests and competition with freshwater plants. <i>Agricultural and Forest Meteorology</i> 2015, 213, 283-290. (a special issue on “Carbon in mangrove forest”)
2015	Moore JAM, Jiang J, Post WM, Classen AT. 2015. Decomposition by ectomycorrhizal fungi alters soil carbon storage in a simulation model. <i>Ecosphere</i> . 6(3):29.
2014	Jiang J, DeAngelis DL, Anderson GH, Smith TJ. 2014. Analysis and simulation of propagule dispersal and salinity intrusion from storm surge on the movement of marsh-mangrove ecotone in south Florida. <i>Estuaries and Coasts</i> . 37(1): 24-35.
2014	Jiang J, DeAngelis DL, Zhang B, Cohen JE. 2014. Population age and initial density in a patchy environment affect the occurrence of abrupt transitions in a birth-and-death model of Taylor’s law. <i>Ecological Modelling</i> , 289: 59-65.
2013	Li H, Shen W, Zou C, Jiang J, Fu L, She G. 2013. Spatio-temporal variability of soil moisture and its effect on vegetation in a desertified Aeolian riparian ecotone on the Tibetan Plateau, China. <i>Journal of Hydrology</i> . 479: 215-225.
2013	Jiang J, DeAngelis DL 2013. Strong species-environment feedback shapes plant community assembly along environmental gradients. <i>Ecology and Evolution</i> . 3(12): 4119-4128.
2012	Jiang J, DeAngelis DL, Smith TJ, Teh SY, Koh HL. 2012. Spatial pattern formation of coastal vegetation in response to external gradients and positive feedbacks affecting soil porewater salinity: a model study. <i>Landscape Ecology</i> . 27: 109-119.
2012	Jiang J, Gao D, DeAngelis DL. 2012. Towards a theory of ecotone resilience: Coastal vegetation on a salinity gradient. <i>Theoretical Population Biology</i> . 82: 27-37.

Dr. Mingyang Li



Personal information

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Educational background

From	To	University/Institution	Degree and Major
2007	2008	Colorado State University, USA	Visiting Scholar
1996	2000	Nanjing Forestry University, China	Ph.D of Ecology
1989	1992	Central South Forestry College, China	Master of Forest Management
1985	1989	Central South Forestry College, China	Bachelor of Forestry

Research projects

From	To	Title of Project	Position	Project Description
2018	2021	Scenario planning and multi-objective evaluation of forest management plan in Southern China	PI	National Natural Science Foundation of China
2015	2016	Prediction of potential habitat for endangered species under scenario of climate change in Northeast China	PI of sub-project	Research project of State Ministry of Environmental Protection, China
2012	2015	MCD/GIS based spatial decision method of recreational forest	PI	National Natural Science Foundation of China
2009	2011	GIS-based spatially balanced sampling of forest resources	PI	National Natural Science Foundation of China
2008	2012	Mapping potential habitat for major invasive forest pests in China	Co-PI	Research project of the State Bureau of Forestry, China
2006	2008	Research on the method of scenario planning of recreational forest	PI	National Natural Science Foundation of China

Publications

Year	Publication
2018	Liu Y N, Li M Y, Rong Y. Scenario analysis and multi-objective evaluation of forest management plan in Xixa County, Chian. Journal of Southwest Forestry University.
	Xu Y X, Li M Y, Hao S Y. GIS-based spatially sampling of forest biomass in urban area. Forest Resources Management.
2017	Rong Y Li M Y. Estimation of wetland soil organic based on space-borne hyper-spectral Image in Xinjizhou of Nanjing, China. Journal of Southwest Forestry University.
	Yu C, Song L Y, Li M Y. Spatial-tempo dynamics of forest biomass in Xixia County, China. Journal of Southwest Forestry University.
	Wang Z, Li M Y. Color evaluation of forest landscape. World Forestry Research.
2016	Zhang M F, Hu M, Li M Y. Estimation of stock volume of urban forest using fully polarimetric radar data of PALSAR. Journal of Nanjing Forestry University (Natural Sciences Edition).
	Zhang M F, Yang Y F, Li M Y. Classification method comparison of PALSAR image at the Zijin Mountain National Forest Park. Journal of Forest and Environment
2015	Jiang Y J, Hu M, Li M Y. Remote sensing based estimation of forest aboveground biomass at County Level. Journal of Southwest Forestry University.
	Li M Y, Wang H, Zhang M F. Optimization method of ecological suitability partition for wetland park based on landscape security. Journal of Southwest Forestry University
	Jiang Y J, Han Y Q, Li M Y. Remote sensing based estimation and spatial distribution of tree species diversity for Zijin Mountain. Journal of Zhejiang A & F University.
2014	Shi Y, Li M Y, Yang Y F. CLUE-S Based scenario planning of land use in urban forest park. Journal of Northwest Forestry University.
2013	Huang W Q, Li M Y, Zhou Q. Comparison of stock volume estimation methods of scenic forest with Typical field plots. Journal of Northeast Forestry University
2012	Li M Y, Liu F, Xu T. Mining of spatial data of forest resources based on GIS: A case study of Zijin Mountain. Journal of Northwest Forestry University.
	Li M Y, Zhang X L, Liu F. BME-based spatial-temporal analysis of damage from pine wood nematode <i>Bursaphelenchus xylophilus</i> in Zijin Mountain. Journal of Northwest A & F University (Natural Science Edition).
	Li M Y, Zhang C Y, Wu J. Vegetation dynamics of breeding habitat for Red-crowned crane <i>Grus japonensis</i> under scenario of climate change in Northeast China. Journal of Central South University of Forestry & Technology.

Dr. Hui Sun



Personal information

Current position	Professor in Forest Pathology
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Educational background

From	To	University/Institution	Degree and Major
2006	2011	University of Helsinki	Ph.D in Forest Ecology
2000	2003	Nanjing Forestry University	M.S. in Forest Protection
1989	1993	Nanjing Forestry University	B.S. in Forest Protection

Research projects

From	To	Title of Project	Position	Project Description
2016		Nanjing Forestry University	Professor	
2014	2015	University of Helsinki	Postdoctoral fellow	
2012	2013	University of Helsinki	Postdoctoral fellow	
2005	2006	University of Helsinki	Research assistant	
2003	2004	Nanjing Forestry University	Lecturer	

Publications

Year	Publication
2018	<ol style="list-style-type: none">1. Andriy Kovalchuk*, Zhen Zeng, Rajendra P. Ghimire, Minna Kivimäenpää, Tommaso Raffaello, Mengxia Liu, Mukrimin Mukrimin, Risto Kasanen, Hui Sun, Riitta Julkunen-Tiitto, Jarmo K. Holopainen, Fred O. Asiegbu*. (2018). Dual RNAseq analysis provides new insights into interactions between Norway spruce and necrotrophic pathogen <i>Heterobasidion annosum</i> s.l. <i>BMC Plant Biology</i>.2. Riikka Linnakoski, Risto Kasanen, Ilmeini Lasarov, Tiia Marttinen, Abbot O. Oghenekaro, Hui Sun, Fred O. Asiegbu, Michael J. Wingfield, Jarkko Hantula, Kari Heliovaara. (2018). <i>Cadophora margaritata</i> sp. nov. and other fungi associated with the longhorn beetles <i>Anoplophora</i>

	<p>glabripennis and Saperda carcharias in Finland. <i>Antonie Van Leeuwenhoek</i>. https://doi.org/10.1007/s10482-018-1112-y</p> <ol style="list-style-type: none"> 3. Minna Santalahti, Hui Sun, Outi-Maaria Sietiö, Kajar Köster, Frank Berninger, Tuomas Laurila, Jukka Pumpanen, Jussi Heinonsalo. (2018). Reindeer grazing alter soil fungal community structure and litter decomposition related enzyme activities in boreal coniferous forests in Finnish Lapland. <i>Applied Soil Ecology</i> 132:74-82 4. Andriy Kovalchuk , Mukrimin Mukrimin, Zhen Zeng, Tommaso Raffaello, Mengxia Liu, Risto Kasanen, Hui Sun* and Fred O. Asiegbu*. (2018). Mycobiome analysis of asymptomatic and symptomatic Norway spruce trees naturally infected by the conifer pathogens <i>Heterobasidion</i> spp. <i>Environmental Microbiology Reprints</i> 10 (5), 532-541. 5. Fei Ren, Andriy Kovalchuk, Mukrimin Mukrimin, Mengxia Liu, Zhen Zeng, Rajendra P. Ghimire, Minna Kivimäenpää, Jarmo K. Holopainen, Hui Sun*, Fred O. Asiegbu*. (2018). Tissue Microbiome of Norway Spruce Affected by <i>Heterobasidion</i>-Induced Wood Decay. <i>Microbial Ecology</i>. https://doi.org/10.1007/s00248-018-1240-y. 6. Xuan Zhou, Hui Sun, Jukka Pumpanen, Outi-Maaria Sietio , Jussi Heinonsalo, Kajar Köster, Frank Berninger (2018). The impact of wildfire on microbial C:N:P stoichiometry and the fungal-to-bacterial ratio in permafrost soil. <i>Biogeochemistry</i>. https://doi.org/10.1007/s10533-018-0510-6 7. Zeng Z, Sun H, Vainio E, Raffaello T, Kovalchuk,A, Morin E, Duplessis S, Asiegbu F*, (2018). Intraspecific comparative genomics of isolates of the Norway spruce pathogen (<i>Heterobasidion parviporum</i>) and identification of its potential virulence factors. <i>BMC Genomics</i> (2018) 19:220 https://doi.org/10.1186/s12864-018-4610-4. 8. Sietiö Outi-Maaria; Tuomivirta Tero; Santalahti Minna; Kiheri Heikki; Timonen S; Sun H; Hannu Fritze; Heinonsalo Jussi* (2018). Ericoid plant species and <i>Pinus sylvestris</i> shape fungal communities in their roots and surrounding soil. <i>New Phytologist</i> (2018) DOI: 10.1111/nph.15040
2017	<ol style="list-style-type: none"> 1. Andriy Kovalchuk*, Zhen Zeng, Rajendra P. Ghimire, Minna Kivimäenpää, Tommaso Raffaello, Mengxia Liu, Mukrimin Mukrimin, Risto Kasanen, Hui Sun, Riitta Julkunen-Tiitto, Jarmo K. Holopainen, Fred O. Asiegbu*. (2018). Dual RNAseq analysis provides new insights into interactions between Norway spruce and necrotrophic pathogen <i>Heterobasidion annosum</i> s.l. <i>BMC Plant Biology</i>. 2. Riikka Linnakoski, Risto Kasanen, Ilmeini Lasarov , Tiia Marttinen, Abbot O. Oghenekaro, Hui Sun, Fred O. Asiegbu, Michael J. Wingfield, Jarkko Hantula, Kari Helio'vaara. (2018). <i>Cadophora margaritata</i> sp. nov. and other fungi associated with the longhorn beetles <i>Anoplophora glabripennis</i> and <i>Saperda carcharias</i> in Finland. <i>Antonie Van Leeuwenhoek</i>. https://doi.org/10.1007/s10482-018-1112-y

	<ol style="list-style-type: none"> 3. Minna Santalahti, Hui Sun, Outi-Maaria Sietiö, Kajar Köster, Frank Berninger, Tuomas Laurila, Jukka Pumpanen, Jussi Heinonsalo. (2018). Reindeer grazing alter soil fungal community structure and litter decomposition related enzyme activities in boreal coniferous forests in Finnish Lapland. <i>Applied Soil Ecology</i> 132:74-82 4. Andriy Kovalchuk , Mukrimin Mukrimin, Zhen Zeng, Tommaso Raffaello, Mengxia Liu, Risto Kasanen, Hui Sun* and Fred O. Asiegbu*. (2018). Mycobiome analysis of asymptomatic and symptomatic Norway spruce trees naturally infected by the conifer pathogens <i>Heterobasidion</i> spp. <i>Environmental Microbiology Reports</i> 10 (5), 532-541. 5. Fei Ren, Andriy Kovalchuk, Mukrimin Mukrimin, Mengxia Liu, Zhen Zeng, Rajendra P. Ghimire, Minna Kivimäenpää, Jarmo K. Holopainen, Hui Sun*, Fred O. Asiegbu*. (2018). Tissue Microbiome of Norway Spruce Affected by <i>Heterobasidion</i>-Induced Wood Decay. <i>Microbial Ecology</i>. https://doi.org/10.1007/s00248-018-1240-y. 6. Xuan Zhou, Hui Sun, Jukka Pumpanen, Outi-Maaria Sietio , Jussi Heinonsalo, Kajar Köster, Frank Berninger (2018). The impact of wildfire on microbial C:N:P stoichiometry and the fungal-to-bacterial ratio in permafrost soil. <i>Biogeochemistry</i>. https://doi.org/10.1007/s10533-018-0510-6 7. Zeng Z, Sun H, Vainio E, Raffaello T, Kovalchuk,A, Morin E, Duplessis S, Asiegbu F*, (2018). Intraspecific comparative genomics of isolates of the Norway spruce pathogen (<i>Heterobasidion parviporum</i>) and identification of its potential virulence factors. <i>BMC Genomics</i> (2018) 19:220 https://doi.org/10.1186/s12864-018-4610-4. 8. Sietiö Outi-Maaria; Tuomivirta Tero; Santalahti Minna; Kiheri Heikki; Timonen S; Sun H; Hannu Fritze; Heinonsalo Jussi* (2018). Ericoid plant species and <i>Pinus sylvestris</i> shape fungal communities in their roots and surrounding soil. <i>New Phytologist</i> (2018) DOI: 10.1111/nph.15040
2016	<ol style="list-style-type: none"> 1. Sun H*, Minna Santalahti, Jukka Pumpanen, Kajar Köster, Frank Berninger, Tommaso Raffaello, Fred O. Asiegbu & Jussi Heinonsalo (2016). Bacterial community structure and function shift across a northern boreal forest rechronosequence. <i>Scientific Reports</i> 6: 32411. 2. Sun H*, Eeva Terhonen, Andriy Kovalchuk, Hanna Tuovila, Hongxin Chen, Abbot Oghenekaro, Jussi Heinonsalo, Annegret Kohler, Risto Kasanen, Harri Vasander, Fred O. Asiegbu (2016). Dominant tree species and soil type affect fungal community structure in a boreal peatland forest. <i>Applied and Environmental Microbiology</i> 82:2631-2643. 3. Minna Santalahti, Sun H, Ari Jumpponen, Taina Pennanen, Jussi Heinonsalo* (2016). Vertical and seasonal dynamics of fungal communities in boreal Scots pine forest soil. <i>FEMS Microbiology Ecology</i> 92: No.11.
2015	<ol style="list-style-type: none"> 1. Sun H*, Minna Santalahti, Jukka Pumpanen, Kajar Köster, Frank Berninger, Tommaso Raffaello, Ari Jumpponen, Fred Asiegbu, Jussi Heinonsalo

	<p>(2015). Fungal community shifts in structure and function across a boreal forest fire chronosequence. <i>Applied and Environmental Microbiology</i> 81 (22).</p> <p>2. Jussi Heinonsalo*, Sun H, Minna Santalahti, Kirsi Bäcklund, Pertti Hari and Jukka Pumpanen (2015). Evidences on the Ability of Mycorrhizal Genus <i>Piloderma</i> to Use Organic Nitrogen and Deliver It to Scots Pine. <i>PloS one</i> 10 (7). e0131561</p>
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Dr. Qiang Wei



Personal information

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Educational background

From	To	University/Institution	Degree and Major
2000	2004	Sichuan University/ School of Life Sciences	Bachelor, Biological Science Base Class
2004	2009	Fudan University/ School of Life Sciences	Ph.D., Biochemistry and Molecular Biology

Research projects

From	To	Title of Project	Position	Project Description
2018	2020	Characterization of the developmental dynamics of the elongation of a bamboo internode during the rapid growth stage	Project Manager	Little is still known about the regulating mechanism underlying the rapid growth of bamboo shoot. We use an integrated approach including morphology, anatomy, mathematical modeling and genomics to systematically characterize the regulating mechanisms underlying the fast growth of a single bamboo internode.
2017	2020	The key cellular process and the responding molecular basis of the	Project Manager	So far, the research about the development of bamboo culm mainly focuses on the fast growth of bamboo shoot. Little is known

		primary growth of moso bamboo shoot	<p>about the primary thickening growth of moso bamboo shoot. To address this problem, using multi-disciplinary method, our previews work finished the morphological analysis of the primary growth of moso bamboo shoot and found that pith played an important role on promoting this process. By studying a stable variant of moso with abnormal pith development, <i>Phyllostachys edulis</i> ‘Pachyloen’ (thick wall moso) we discovered that the abnormal shape and cell structure of the thick wall variant mainly caused its abnormal pith development. Basing on those discoveries, this project plan to use transmission electron microscope, laser capture microdissection, high throughput transcriptome sequencing technology together with the model plant system to identify the differentially expressed genes between the apical meristem of the thick wall variant and its responding wild type moso to address the key molecular mechanism regulating the development of pith from a ‘mutant’ perspective. And based on the results of those comprehensive study we hope to finally disclose the key cellular process and its responding molecular mechanism of the primary thickening growth of moso in this project.</p>
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Publications

Year	Publication
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2018	1. Wei Q^{#*} , Jiao C [#] , Ding YL, Gao S, Guo L, Chen M, Hu P, Xia SJ, Ren GD, Fei ZJ [*] . Cellular and molecular characterizations of a slow-growth variant provide insights into the fast growth of bamboo. <i>Tree Physiology</i> , 2018, 38(4): 641-654.
	2. Guo L, Sun XP, Li ZR, Wang YJ, Fei ZJ, Jiao C, Feng JY, Cui DF, Feng XY, Ding YL, Zhang CX, Wei Q[*] . Morphological dissection and cellular and transcriptome characterizations of bamboo pith cavity formation reveal a pivotal role of genes related to programmed cell death, 2018, <i>Plant Biotechnology Journal</i> , DOI: 10.1111/pbi.13033
2017	Wei Q^{#*} , Jiao C [#] , Guo L, Cao JJ, Feng JY, Dong XB, Mao LY, Sun HH, Yu F, Yang GY, Shi PJ, Ren GD, Fei ZJ [*] . Exploring key cellular processes and candidate genes regulating the primary thickening growth of Moso underground shoots. <i>New Phytologist</i> , 2017, 214: 81-96

Liang-Jiao Xue

College of Forestry



Personal information

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Educational background

From	To	University/Institution	Degree and Major
2004	2010	Chinese Academy of Sciences	Ph.D., Genetics
2000	2004	Nanjing Normal University	B.S., Biology

Professional experience

From	To	University/Institution	Position
2018	-	Nanjing Forestry University	Professor
2014	2017	University of Georgia	Senior Research Associate
2010	2014	University of Georgia	Postdoc Research Associate

Research projects

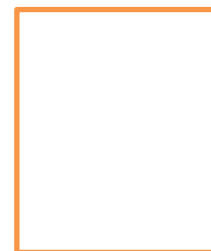
From	To	Title of Project	Position	Project Description
2018	2020	Gene regulatory networks in Populus	PI	Nanjing Forestry University
2018	2020	Jiangsu Specially-appointed professor project	PI	Education Department of Jiangsu Province
2015	2017	Dissecting the oxidative stress response regulons of Populus	Co-PI	National Institute of Food and Agriculture, USDA

Publications

Year	Publication
2018	Ullah, C. , Tsai, C. , Unsicker, S. B., Xue, L. , Reichelt, M. , Gershenzon, J. and Hammerbacher, A. (2018), Salicylic acid activates poplar defense against the biotrophic rust fungus <i>Melampsora larici - populina</i> via increased biosynthesis of catechin and proanthocyanidins. <i>New Phytol.</i> doi:10.1111/nph.15396
2016	Xue LJ, Frost CJ, Tsai CJ, Harding SA. (2016) Drought response transcriptomes are altered in poplar with reduced tonoplast sucrose transporter expression. <i>Sci Rep.</i> 6:33655

2015	Xue LJ*, Tsai CJ. (2015) AGEseq: Analysis of Genome Editing by Sequencing. <i>Mol. Plant.</i> 8: 1428-1430 (*corresponding author)
2015	Xue LJ, Alabady MS, Mohebbi M, Tsai CJ. (2015) Exploiting genome variation to improve next-generation sequencing data analysis and genome editing efficiency in <i>Populus tremula x alba</i> 717-1B4. <i>Tree Genetics & Genomes.</i> 11:82
2013	Xue LJ, Guo W, Yuan Y, Anino EO, Nyamdari B, Wilson MC, Frost CJ, Chen H-Y, Babst BA, Harding SA, Tsai C-J. (2013) Constitutively elevated salicylic acid levels alter photosynthesis and oxidative state, but not growth in transgenic <i>Populus</i> . <i>Plant Cell.</i> 25:2714-2730
2012	Xue LJ, Zhang JJ, Xue HW. (2012) Genome-wide analysis of the complex transcriptional networks of rice developing seeds. <i>PLoS ONE</i> 7: e31081.
2009	Xue LJ, Zhang JJ, Xue HW. (2009) Characterization and expression profiles of miRNAs in rice seeds. <i>Nucleic Acids Res.</i> 37:916-930.
2018	Chen J, Hao Z, Guang X, Zhao C, Wang P, Xue L, Zhu Q,, Liu N, Yang S, Shi J. (2018) <i>Liriodendron</i> genome sheds light on angiosperm phylogeny and species-pair differentiation. <i>Nat Plants.</i> 5:18-25. doi: 10.1038/s41477-018-0323-6.

Dr. Fangyuan Yu



Personal information

Current position	Professor
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Educational background

From	To	University/Institution	Degree and Major
1980	1984	Jiangxi Agriculture University	Bachelor
1988	1991	Nanjing Forestry University	Master
1998	2002	Nanjing Forestry University	Doctorate

Research projects

From	To	Title of Project	Position	Project Description
2017	2020	Key techniques for container seedling cultivation	Chief investigator	Container selection; Medium formulation; Root control
2017	2020	Mechanism of oil accumulation in seed of <i>Styrax tonkinensis</i>	Chief investigator	Physiological and molecular mechanism of oil accumulation during seed development of <i>Styrax tonkinensis</i>
2018	2020	Mechanism of nutrient and hormone regulation for flower bud differentiation of <i>Styrax japonicus</i>	Chief investigator	Mechanism of nutrient and hormone regulation for flower bud differentiation of <i>Styrax japonicus</i>

Publications

Year	Publication
2019	Zihan Zhang and Fangyuan Yu . Effects of salt stress on seed germination of four ornamental non-halophyte species[J]. International journal of agriculture & biology, 2019, 21: 47–53.
2018	1. Zihan Zhang, Ying Luo, Xiaojun Wang and Fangyuan Yu . Quantitative Spatiotemporal Oil Body Ultrastructure Helps to Verify the Distinct Lipid Deposition Patterns in Benzoin Endosperm and Embryo Cells[J]. Forests, 2018, 9, 265.

	<p>2. Liping Xu, Jianbin Liu, Zihan Zhang, Fangyuan Yu, Jie Guo and Haiwang Yue. Effect of Salt Stress on Growth and Physiology in <i>Melia azedarach</i> Seedlings of Six Provenances[J]. International journal of agriculture & biology, 2018, 20: 471-480.</p> <p>3. Zihan Zhang, Ying Luo, Xiaojun Wang & Fangyuan Yu. Fruit Spray of 24-Epibrassinolide and Fruit Shade Alter Pericarp Photosynthesis Activity and Seed Lipid Accumulation in <i>Styrax tonkinensis</i>[J]. Journal of Plant Growth Regulation, 2018, 37:1066-1084.</p>
2017	<p>1. Zhiquan Wang , Yunlong Yin, Jianfeng Hua, Wencai Fan, Chaoguang Yu, Lei Xuan, and Fangyuan Yu. Cloning and Characterization of ThSHRs and ThSCR Transcription Factors in Taxodium Hybrid ‘Zhongshanshan 406’[J]. Genes, 2017, 8, 185.</p> <p>2. Zhiquan Wang, Chunsun Gu, Lei Xuan, Jianfeng Hua, Qin Shi, Wencai Fan, Yunlong Yin, Fangyuan Yu. Identification of suitable reference genes in Taxodium ‘Zhongshanshan’ under abiotic stresses[J]. Trees, 2017, 31:1519–1530.</p> <p>3. Zihan Zhang, Xiaojun Wang, Ying Luo, Fangyuan Yu. Carbon competition between fatty acids and starch during benzoin seeds maturation slows oil accumulation speed[J]. Trees, 2017, 31:1025–1039.</p>
2015	<p>1. Xu Liping, Yu Fangyuan. Corolla structure and fragrance components in <i>Styrax tonkinensis</i>[J]. Trees, 2015, 29:1127-1134.</p> <p>2. Xu Liping, Pan Yali, Yu Fangyuan Effects of water-stress on growth and physiological changes in <i>Pterocarya stenoptera</i> seedlings[J]. Scientia Horticulturae ,2015,190:11-23.</p>

Dr. Guohua Liu



Personal information

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University	Nanjing Forestry University
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Educational background

From	To	University/Institution	Degree and Major
1999	2003	Ludong University	Bachelor, Geography
2003	2008	Nanjing Forestry University	Doctor, Ecology
2009	2012	Institute of Soil Science, Chinese Academy of Sciences	Postdoctor
2014	2015	Clemson University	Visiting Scholar

Research projects

From	To	Title of Project	Position	Project Description
2019	2020	The morphological research of bamboo internodes based on Taylor's power law and its ecological driving mechanism	PI	The National Natural Science Foundation of China (31870575)
2015	2019	The innovation of cultivation technique of bamboo & ratten	PI	The Key Project of National Science & Technology Ministry (No. 2015BAD04B02)
2014	2017	Effect of biochar on the soil nitrogen in bamboo forest	PI	The National Natural Science Foundation of China (Project Number: 31400456)
2013	2016	The release and utilization of endogenous nitrogen in biochar	PI	The Natural Science Foundation of Jiangsu Province (Project Number: BK20130967)

Publications

Year	Publication
2018	Guohua Liu, Cang Hui, Ming Chen, Lauren S. Pile, G. Geoff Wang, Fusheng Wang, Peijian Shi. 2018. Variation in individual biomass decreases faster than mean biomass with increasing density of bamboo stands. The Journal Forestry of Research. DOI 10.1007/s11676-018-0796-1

2018	Guohua Liu ¹ , Shaohua Lin ^{2,*} , Lauren S Pile ³ , Zheng Fang ¹ , G Geoff Wang. Effect of potassium permanganate and pyrolysis temperature on the biochar production from rice straw and suitability of biochars for heavy metal (Cd & Pb) immobilization in paper sludge. <i>Fresenius Environmental Bulletin</i> , 27,9008-9017
2018	LIU Guohua, XU Qiang, DING Yulong, LIN Shuyan. Research on the structure and photosynthetic responses of <i>Phyllostachys glauca</i> spathes during flowering. <i>Journal of Nanjing Forestry University (Natural Sciences Edition)</i> ,42(4):32-38
2018	LIU Guohua, Fang Zheng, ZHENG Xiao, FAN Tingting, WANG Fusheng, ZHANG Jinchi. The characteristics of bamboo charcoal pyrolyzed from Moso bamboo culms in 14 bamboo producing areas in China. <i>Journal of Nanjing Forestry University (Natural Sciences Edition)</i> ,42(6):209-215
2016	Guohua Liu, Peijian Shi, Qiang Xu, Xiaobo Dong, Fusheng Wang, G. Geoff Wangb, Cang Hui. 2016. Does the size–density relationship developed for bamboo species conform to the self-thinning rule? <i>Forest Ecology and Management</i> . 361, 339–345.
2016	Guohua Liu, Qiang Xu, Xiaobo Dong, Jing Yang, Lauren S. Pile, G. Geoff Wang, Fusheng Wang. 2016. Effect of Protective Gas and Pyrolysis Temperature on the Biochar Produced from Three Plants of Gramineae: Physical and Chemical Characterization. <i>Waste Biomass Valorization</i> . DOI 10.1007/s12649-016-9534-0

Dr. Jianqiang Chen



Personal information

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Educational background

From	To	University/Institution	Degree and Major
2009	2012	Nanjing University	Doctor
2004	2007	Nanjing Tech University	Master
2000	2004	Nanjing Tech University	Bachelor

Research projects

From	To	Title of Project	Position	Project Description
2017	2019	Cellulose-based nanocomposites fabricated via electrospinning & electrospraying for Pickering Emulsions	Chair	National Natural Science Foundation of China
2016	2018	Thermally responsive core-shell nanoparticles via electrospraying	Chair	Natural Science Foundation of Jiangsu Province
2015	2016	Preparation of all-wood plastics and study on the thermoplasticity	Chair	Postdoctoral Science Foundation of China
2013	2016	NMR study on the dissolution mechanism of cellulose in ionic liquids/DMSO	Chair	Specialized Research Fund for the Doctoral Program of Higher Education of China

2012		NMR study on the additives effects on the phase transition of poly(<i>N</i> -isopropylacrylamide) in aqueous solution	Chair	Fellowship for Short Visit Abroad Supported by China Scholarship Council
2012	2016	Bio-based functional materials prepared from agro-residues	Participant	Special Fund for Forestry Scientific Research in Public Interest

Publications

Year	Publication
2018	Ying Guo, Jianqiang Chen*, Meng Su, Jianguo Hong, Bio-based plastics by highly efficient esterification of lignocellulosic biomass in 1-methylimidazole under mild conditions. <i>Journal of Wood Chemistry and Technology</i> , 2018, 38, 338-349.
	Jianqiang Chen*, Chenyang Zhu, Zhen Yang, Ping Wang, Yiying Yue, Takuya Kitaoka, Thermally tunable Pickering emulsions stabilized by carbon-dot-incorporated core-shell nanospheres with fluorescence “on-off” behavior. <i>Langmuir</i> , 2018, 34, 273-283.
	Jiachun Shen, Xuzeng Wang, Limin Zhang, Zhen Yang, Weiben Yang, Ziqi Tian, <u>Jianqiang Chen*</u> , Tao Tao, Size-selective adsorption of methyl orange using a novel nanocomposite by encapsulating HKUST-1 in hypercrosslinked polystyrene networks. <i>Journal of Cleaner Production</i> , 2018, 184, 949-958.
	Xia Zhou, Chang Dong, Zhen Yang, Ziqi Tian, Lishi Lu, Weiben Yang, Yuping Wang, Limin Zhang, Aimin Li, <u>Jianqiang Chen*</u> , Enhanced adsorption of pharmaceuticals onto core-brush shaped aromatic rings-functionalized chitosan magnetic composite particles: Effects of structural characteristics of both pharmaceuticals and brushes. <i>Journal of Cleaner Production</i> , 2018, 172, 1025-1034.
2017	<u>Jianqiang Chen*</u> , Chuanqi Tang, Yiying Yue, Weichuan Qiao, Jianguo Hong, Takuya Kitaoka, Zhen Yang, Highly translucent all wood plastics via heterogeneous esterification in ionic liquid/dimethyl sulfoxide. <i>Industrial Crops and Products</i> , 2017, 108, 286-294.
2015	<u>Jianqiang Chen</u> , Xiao Chen, Meng Su, Judi Ye, Jianguo Hong, Zhen Yang, Direct production of all-wood plastics by kneading in ionic liquids/DMSO. <i>Chemical Engineering Journal</i> , 2015, 279, 136-142.
	Rongping Chen, Yinlong Zhang, Lianfeng Shen, <u>Jianqiang Chen*</u> , Aijun Ma, Weimin Jiang, Lead(II) and methylene blue removal using a fully

	<p>biodegradable hydrogel based on starch immobilized humic acid. <i>Chemical Engineering Journal</i>, 2015, 268, 348-355.</p> <p><u>Jianqiang Chen</u>, Meng Su, Rongping Chen, Jianguo Hong, Rongshi Cheng, Effects of salt on homogeneous succinylation of lignocellulosic fibers in dimethyl sulfoxide/tetraethylammonium chloride under mild condition. <i>Journal of Applied Polymer Science</i>, 2015, 132, 41912.</p>
2014	<p><u>Jianqiang Chen</u>, Jiri Spevacek, Lenka Hanykova, NMR methods to study additive effects on phase separation of thermoresponsive polymer. <i>Macromolecular Symposium</i>, 2014, 339, 24-32.</p> <p><u>Jianqiang Chen</u>, Meng Su, Xiaolin Zhang, Rongping Chen, Jianguo Hong, Lingyun Yang, Zhen Yang, The role of cations in homogeneous succinylation of mulberry wood cellulose in salt-containing solvents under mild conditions. <i>Cellulose</i>, 2014, 21, 4081-4091.</p>
2013	<p><u>Jianqiang Chen</u>, Meng Su, Judi Ye, Zhengchun Cai, Han Yan, Jianguo Hong, All-Straw-Fiber Composites: Benzylated Strawas Matrix and Additional Straw Fiber Reinforced Composites. <i>Polymer Composites</i>, 2013, 35, 419-426.</p>
2012	<p><u>Jianqiang Chen</u>, Hongjuan Xue, Yefeng Yao, Hu Yang, Aiming Li, Min Xu, Qun Chen, Rongshi Cheng*, Effect of surfactant concentration on the complex structure of poly(<i>N</i>-isopropylacrylamide)/sodium <i>n</i>-dodecyl sulfate in aqueous solutions. <i>Macromolecules</i>, 2012, 45, 5524-5529.</p>
2011	<p><u>Jianqiang Chen</u>, Xiaoliang Gong, Hu Yang, Yefeng Yao, Min Xu, Qun Chen, Rongshi Cheng*, NMR study on the effects of sodium <i>n</i>-dodecyl sulfate on coil-to-globule transition of poly(<i>N</i>-isopropylacrylamide) in aqueous solutions. <i>Macromolecules</i>, 2011, 44, 6227-6231.</p> <p><u>Jianqiang Chen</u>, Yufang Shao, Hu Yang, Rongshi Cheng*, Analysis of viscosity abnormalities of polyelectrolytes in dilute solutions, <i>Chinese Journal of Polymer Science</i>, 2011, 29(6), 750-756.</p>



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Educational background

From	To	University/Institution	Degree and Major
2002	2005	Northwest A & F University	Ph.D. Soil science
1999	2002	Northwest A & F University	Master Soil science

Research projects

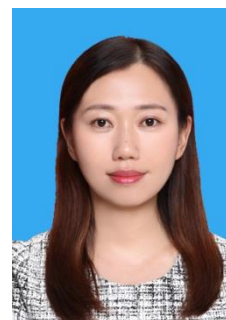
From	To	Title of Project	Position	Project Description
2012	2018	Water pollution prevention and control		Water pollution prevention and control and ecological function comprehensive improvement technology in coastal watershed
		Soil pollution control		Remediation of heavy metals in soil
		Ecological engineering		Research and demonstration of key technologies for moderate scale farming and animal husbandry combined with recycling production
		Ago- & Forestry waste recycling		

Publications

Year	Publication
2018	<ol style="list-style-type: none">1. Yi Wu, Rong Dai, Yongfeng Xu, Jiangan Han*, Pingping Li*. Statistical Assessment of Water Quality Issues in Hongze Lake, China, Related to the Operation of a Water Diversion Project. Sustainability, 2018, 10, 1885, doi:10.3390/su100618852. Diwu Fan, Jiangan Han*, Yuan Chen, Yongli Zhu, Pingping Li. Hormetic effects

	of Cd on alkaline phosphatasein soils across particle–size fractions in a typical coastal wetland. <i>Sci Total Environ</i> , 2018,613-614:792-797
2017	<p>3. Yongfeng Xu, Yi Wu, Jiangang Han*, Pingping Li*. The current status of heavy metal in lake sediments from China: Pollution and ecological risk assessment. <i>Ecology and Evolution</i>,2017, 7 (14): 5454-5466.</p> <p>4. Liu, Xiang, Lanhai Li, Zhiming Qi, Jiangang Han*, Yongli Zhu. Land-use impacts on profile distribution of labile and recalcitrant carbon in the Ili River Valley, northwest China, <i>Sci Total Environ</i>, 2017 ,586: 1038-1045</p>

Dr. Taihua Li



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Educational background

From	To	University/Institution	Degree and Major
2005	2010	Korea Advanced Institute of Science & Technology(KAIST)	Ph.D, Chemical & Biomolecular Engineering
2003	2005	Korea Advanced Institute of Science & Technology(KAIST)	M.S., Chemical & Biomolecular Engineering
1998	2002	Yanbian University of Science & Technology	B.S., Biochemical Engineering

Research projects

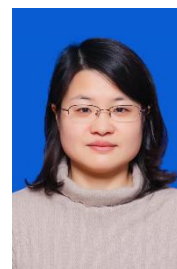
From	To	Title of Project	Position	Project Description
2017	2019	Homogeneous and high-sensitive FRET biosensor for the detection of hazardous materials	PI	By Scientific research foundation of Nanjing Forestry University for the overseas top level talent (163108051)
2013	2015	Development of homogeneous and high-sensitive FRET biosensor system for the direct detection of mycotoxin	PI	By the National Research Foundation of Korea (2013R1A1A2060434)

Publications

Year	Publication
2018	Universally applicable, quantitative PCR method utilizing fluorescent nucleobase analogs, <i>RSC Advances</i> , 8, 37391–37395
2016	A fluorescence enhancement-based label-free homogeneous immunoassay of benzo[a]pyrene (BaP) in aqueous solutions, <i>Chemosphere</i> , 150, 407-413
2015	The effects of pH and surfactants on the absorption and fluorescence properties of ochratoxin A and zearalenone, <i>Luminescence</i> , 30(7),1106-1111.

2014	Homogeneous Fluorescence Resonance Energy Transfer Immunoassay for the Determination of Zearalenone”, <i>Analytical Letters</i> 47(3), 453-464
2014	A Regenerable, Label-Free, Localized Surface Plasmon Resonance (LSPR) Aptasensor for the Detection of Ochratoxin A, <i>Biosensors and Bioelectronics</i> , 59, 321-327
2014	Homogeneous Assay of Target Molecules Based on Chemiluminescence Resonance Energy Transfer (CRET) Using DNAzyme-linked Aptamers, <i>Biosensors and Bioelectronics</i> , 58, 308-313
2013	Label-free homogeneous FRET immunoassay for the detection of mycotoxins that utilizes quenching of the intrinsic fluorescence of antibodies”, <i>Biosensors and Bioelectronics</i> , 42, 403-408
2013	Novel antibody/gold nanoparticle/magnetic nanoparticle nanocomposites for immunomagnetic separation and rapid colorimetric detection of <i>Staphylococcus aureus</i> in milk, <i>Biosensors and Bioelectronics</i> , 43, 432-439
2012	A label-free fluorescence immunoassay system for the sensitive detection of the mycotoxin, ochratoxin A, <i>Chemical Communications</i> , 48(17), 2304-2306
2012	Colorimetric quantification of galactose using a nanostructured multi-catalyst system entrapping galactose oxidase and magnetic nanoparticles as peroxidase mimetics <i>Analyst</i> 137(5), 1137-1143
2011	A label-free, direct and noncompetitive FRET immunoassay for ochratoxin A based on intrinsic fluorescence of an antigen and antibody complex” <i>Chemical Communications</i> , 47(32), 9098-9100
2011	DNAzyme molecular beacon probes for target-induced signal amplifying colorimetric detection of nucleic acids”, <i>Analytical Chemistry</i> , 83(2), 494-500
2010	Pyrrolo-dC based fluorescent aptasensors for the molecular recognition of targets, <i>Chemical Communications</i> , 46(19)
2009	An Ultrasensitive DNAzyme-Based Colorimetric Strategy for Nucleic Acid Detection, <i>Chemical Communications</i> , 21(39), 5838-5840
2008	Size-dependent flocculation behavior of colloidal Au nanoparticles modified with various biomolecules, <i>Ultramicroscopy</i> 108(10), 1273-1277
2007	γ -Irradiation-induced preparation of Ag and Au nanoparticles and their characterizations, <i>Materials Chemistry and Physics</i> , 105(2-3), 325-330
2004	Circular dichroism study of chiral biomolecules conjugated with silver nanoparticles, <i>Nanotechnology</i> , 15(10), s660-s663

Dr. Wei Li



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Educational background

From	To	University/Institution	Degree and Major
2008	2012	Nankai University	PhD., Environmental Science
2005	2008	Nankai University	M.S., Environmental Science
2001	2005	Henan Polytechnic University	B.S., Environmental Engineering

Research projects

From	To	Title of Project	Position	Project Description
2018	2020	Ecotoxicology effect and action mechanism of photochemical transformation of typical macrolide antibiotics in the presence of DOM	PI	the National Natural Science Foundation of China (31700441)
2016	2019	Photodegradation of roxithromycin induced by DOM and Fe in aquatic environment and its mechanism	PI	the Natural Science Foundation of Jiangsu Province (BK20160930)

Publications

Year	Publication
2016	Wei Li * , Venkateswarlu Nanaboina, Fang Chen, Gregory V. Korshin, Removal of polycyclic synthetic musks and antineoplastic drugs in ozonated wastewater: Quantitation based on the data of differential spectroscopy, <i>Journal of Hazardous Materials</i>
2015	Wei Li * , Jessica Tanumihardja, Takaaki Masuyama, Gregory Korshin, Examination of the kinetics of degradation of the antineoplastic drug 5-fluorouracil by chlorine and bromine, <i>Journal of Hazardous Materials</i>
2013	Wei Li , Venkateswarlu Nanaboina, Qixing Zhou *, Gregory V. Korshin, Changes of excitation/emission matrixes of wastewater caused by Fenton- and Fenton-like treatment and their associations with the generation of hydroxyl radicals, oxidation of effluent

	organic matter and degradation of trace-level organic pollutants, Journal of Hazardous Materials
2012	Wei Li , Venkateswarlu Nanaboina, Qixing Zhou*, Gregory V. Korshin. Effects of Fenton treatment on the properties of effluent organic matter and their relationships with the degradation of pharmaceuticals and personal care products. Water Research

Dr. Xiang Mei

Research area: Water pollution control



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Educational background

From	To	University/Institution	Degree and Major
1996	1999	Tongji University	Ph.D., Environmental Engineering
1989	1992	Southeast University	M.E., Environmental Engineering
1985	1989	Southeast University	B.E., Environmental Engineering

Research projects

From	To	Title of Project	Position	Project Description
2015	2018	Membrane technology for treating typical toxic organic wastewater		
2014	2016	Biochemical treatment of acetonitrile wastewater from the production of perfluoroketone		
2011	2013	Advanced treatment of refinery wastewater by the co-metabolism method		

Publications

Year	Publication
2018	Green recovery of hazardous acetonitrile from high-salt chemical wastewater by pervaporation. <i>Journal of Cleaner Production</i> , 2018, 197: 742–749
2018	A novel 3D heteropoly blue type photo-Fenton-like catalyst and its ability to remove dye pollution. <i>Chemosphere</i> , 2018, 197: 241–250
2017	A heteropoly blue as environmental friendly material: An excellent heterogeneous Fenton-like catalyst and flocculent. <i>Journal of Hazardous Materials</i> , 2017, 340: 326–335
2017	Promoting the hydrolysis and acidification of rice straw by adding <i>Gleditsia sinensis</i> pod powder. <i>Industrial Crops and Products</i> , 2017, 100: 35–40

Dr. Weichuan Qiao



Personal information

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Educational background

From	To	University/Institution	Degree and Major
2002	2007	Nanjing Forestry University	Ph.D
1997	2000	of Environmental Science and Engineering, College of Chemical Engineering, Nanjing University science & technology	M.A.

Research projects

From	To	Title of Project	Position	Project Description
2018	2022	Outer membrane vesicle mediated quorum sensing signaling molecules regulate self-assembling of wastewater biofilm	Direct	
2009	2010	Mechanism of anaerobic biodegradation wheat lignin, Technology	Direct	Innovation Fund of Nanjing Forestry University

Publications

Year	Publication
2019	Structural characterization of the biogas fermentation residue from wheat straw, Journal of Biobased and Material Bioenergy, 2019,13:188-194

2018	Microbial oil production from solid-state fermentation by a newly isolated oleaginous fungus, <i>Mucor circinelloides</i> Q531 from mulberry branches, <i>Royal Society Open Science</i> , 2018,5(11): 180551
2018	Perfluoroalkyl substances (PFASs) influence the structure and function of soil bacterial community: Greenhouse experiment, <i>Science of the Total Environment</i> , 2018, 642: 1118-1126
2017	Enhancing taxol production in a novel endophytic fungus, <i>Aspergillus aculeatinus</i> Tax-6, isolated from <i>Taxus chinensis</i> var. <i>mairei</i> , <i>Fungal Biology</i> , 2017, 121(12): 1037~1044
2017	Characterization and dyes decolorization of athermo-alkali-stable laccase from <i>Bacillus subtilis</i> cjp3, <i>Journal of Environmental Science and Health, Part A</i> , 2017, 52(8): 710~717

Dr. Lijie Xu



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Educational background

From	To	University/Institution	Degree and Major
2011	2014	The Hong Kong Polytechnic University	PhD, environmental engineering
2008	2011	Beijing University of Technology	Master, environmental engineering
2008	2004	Beijing Technology and Business University	Bachelor, environmental engineering

Research projects

From	To	Title of Project	Position	Project Description
2018.01	2020.12	Mechanism study of utilizing in situ photochemical transformation of the nitrification products NO ₃ ⁻ /NO ₂ ⁻ as an advanced technology to degrade refractory organic pollutants	PI	National natural science foundation of China
2016.07	2019.06	Construction of a sustainable ultrasonic photocatalytic system for the degradation of refractory endocrine disruptors in water	PI	Jiangsu natural science foundation youth program

Publications

Year	Publication
2018	Gan Lu, Geng Aobo, Xu Lijie, Chen Meijuan, Wang Liangcai, et al. The fabrication of bio-renewable and recyclable cellulose based carbon microspheres incorporated by CoFe ₂ O ₄ and the photocatalytic properties, <i>Journal of Cleaner Production</i> , 2018, 196: 594-603.
2017	Xu Lijie, Wang Yadong, Liu Jie, Han Shuguang, Pan Zhepeng, Gan Lu, High-efficient visible-light photocatalyst based on graphene incorporated Ag ₃ PO ₄ nanocomposite applicable for the degradation of a wide variety of dyes, <i>Journal of Photochemistry and Photobiology A-Chemistry</i> , 2017, 340: 70-79.
2016	Gan, Lu, Xu, Lijie , Pan, Zhepeng, Jiang, Fuyuan, Shang, Songmin, A lginic acid/graphene oxide hydrogel film coated functional cotton fabric for controlled release of matrine and oxymatrine, <i>Rsc Advances</i> , 2016, 6(80): 76420~76425
2016	Gan, Lu, Xu, Lijie , Qian, Kun, Preparation of core-shell structured CoFe ₂ O ₄ incorporated Ag ₃ PO ₄ nanocomposites for photocatalytic degradation of organic dyes, <i>Materials & Design</i> , 2016, 109: 354~360
2016	Gan, Lu, Xu, Lijie , Shang, Songmin, Zhou, Xiaoyan, Meng, Liang, Visible light induced methylene blue dye degradation photo-catalyzed by WO ₃ /graphene nanocomposites and the mechanism, <i>Ceramics International</i> , 2016, 42 (14): 15235~15241
2016	Xu, L. J. , Chu, W., Lee Po-Heng, Wang Jian, The Mechanism Study of Efficient Degradation of Hydrophobic Nonylphenol in Solution by a Chemical-Free Technology of Sonophotolysis, <i>Journal of Hazardous Materials</i> 2016, 308, 386-393
2015	Xu, L. J. , Chu, W., Graham, N., Sonophotolytic Degradation of Phthalate Acid Esters in Water and Wastewater: Influence of Compound Properties and Degradation Mechanisms. <i>Journal of Hazardous Materials</i> 2015, 288, 43-50
2015	Xu, L. J. , Chu, W., Gan Lu, Environmental application of graphene-based CoFe ₂ O ₄ as an activator of peroxymonosulfate for the degradation of a plasticizer. <i>Chemical Engineering Journal</i> 2015, 263, 435-443
2014	Xu, L. J. , Chu, W., Graham, N., Atrazine degradation using chemical-free process of USUV: analysis of the micro-heterogeneous environments and the degradation mechanisms. <i>Journal of Hazardous Materials</i> 2014, 275, 166-174
2014	Xu, L. J. , Chu, W., Graham, N., Degradation of di-n-butyl phthalate by a homogeneous sono-photo-Fenton process with in situ generated hydrogen peroxide. <i>Chemical Engineering Journal</i> 2014, 240, (15), 541-547
2013	Xu, L. J. , Chu, W., Graham, N., A systematic study of the degradation of dimethyl phthalate using a high-frequency ultrasonic process. <i>Ultrasonics Sonochemistry</i> 2013, 20, (3), 892-899
2013	Xu, L. J. , Chu, W., Graham, N., Sonophotolytic degradation of dimethyl phthalate without catalyst: Analysis of the synergistic effect and modeling. <i>Water Research</i> 2013, 47, (6), 1996-2004

Dr. Lei Yu



Personal information

Current position	Associate Professor
University	Nanjing Forestry University
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Mobile	13951746618

Educational background

From	To	University/Institution	Degree and Major
2007	2011	City University of Hongkong	Ph.D (Joint culture, Environmental Engineering)
2006	2011	University of Science & Technology of China	Ph.D (Environmental Engineering)
2001	2005	Anhui University	B.S. (Environmental Science)

Research projects

From	To	Title of Project	Position	Project Description
2018	2021	The enhanced mechanism of biohydrogen production from pentose by quinoid compounds, which was fabricated from magnetic iron oxide	PI	National Natural Science Foundation of China
2015	2017	The mechanism of simultaneous decolorization reduction and biohydrogen production by facultative anaerobic bacteria during extracellular respiration	PI	Natural Science Foundation of Jiangsu Province, China
2014	2016	The mechanism of simultaneous decolorization reduction and biohydrogen production by facultative anaerobic bacteria during extracellular respiration	PI	National Natural Science Foundation of China

Publications

Year	Publication
2019	<p>Hua JQ, Yu L*. Cloning and characterization of a Flavin-free oxygen-insensitive azoreductase from <i>Klebsiella oxytoca</i> GS-4-08. <i>Biotechnol. Letter.</i> 2019, 10.1007/s10529-019-02647-9.</p> <p>Song YH, Lu Y, Yu L*. Stoichiometry and thermodynamic analysis on biohydrogen production from xylose by <i>Klebsiella oxytoca</i> GS-4-08. <i>Energy Fuel.</i> 2019, 10.1021/acs.energyfuels.8b03513.</p> <p>Fan HC, Yu J, Chen RP, Yu L*. Preparation of a biofloculant by using acetonitrile as sole nitrogen source and its application in heavy metals removal. <i>J. Hazard. Mater.</i> 2019, 363: 242-247.</p>
2018	<p>Wang PT, Song YH, Fan HC, Yu L*. Bioreduction of azo dyes was enhanced by in-situ biogenic palladium nanoparticles. <i>Bioresour. Technol.</i> 2018, 266: 176-180.</p> <p>Qiao WC, Xie ZY, Zhang YH, Liu X, Xie SG*, Huang J*, Yu L. Perfluoroalkyl substances (PFASs) influence the structure and function of soil bacterial community: Greenhouse experiment. <i>Sci. Total Environ.</i> 2018, 642:118-1126.</p>
2017	<p>Yu L*, Cao MY, Wang PT, Wang S, Yue YR, Yuan WD, Qiao WC, Wang F, Song X*. Simultaneous decolorization and biohydrogen production from xylose by <i>Klebsiella oxytoca</i> GS-4-08 in presence of azo dyes with sulfonate and carboxyl groups. <i>Appl. Environ. Microbiol.</i> 2017, 83: e00508-17.</p> <p>Liu X, Chen T, Qiao WC, Wang Z*, Yu L*. Fabrication of graphene/activated carbon nanofiber composites for high performance capacitive deionization. <i>J Taiwan Ins. Chem. E.</i> 2017, 72: 213-219.</p> <p>Qiao WC, Ling F, Yu L*, Huang YF, Wang T Enhancing taxol production in a novel endophytic fungus, <i>Aspergillus aculeatinus</i> Tax-6, isolated from <i>Taxus chinensis var. mairei</i>. <i>Fungal Biol.</i> 2017, 121:1037-1044.</p> <p>Liu C, Yuan K, Chen RP*, Chen MJ, Yu L*. Biodegradation kinetics of nitriles with easily degradable substrate by <i>Klebsiella oxytoca</i> GS-4-08. <i>Int. Biodeter. Biodegr.</i> 2017, 118: 95-101.</p> <p>Qiao WC, Chu JP, Ding SJ, Song X, Yu L*. Characterization of a thermo-alkali-stable laccase from <i>Bacillus subtilis</i> cjp3 and its application in dyes decolorization. <i>J Environ. Sci. Heal. Part A</i> 2017,52:710-717</p>
2016	<p>Yu L*, Tang QW, Zhang YJ, Chen RP, Liu X, Qiao WC, Li WW, Ruan HH, Song X*. A novel Fe(III) dependent biofloculant from <i>Klebsiella oxytoca</i> GS-4-08: culture conditions optimization and flocculation mechanism. <i>Sci. Rep.</i> 2016, 6: 34980.</p>

	<p>Yu L*, Wang S, Tang QW, Cao MY, Li J, Yuan K, Wang P, Li WW. Enhanced reduction of Fe(III) oxides and methyl orange by <i>Klebsiella oxytoca</i> in presence of anthraquinone-2-disulfonate. <i>Appl. Microbiol. Biotechnol.</i> 2016, 100: 4617-4625.</p>
2015	<p>Yu L*, Zhang XY, Tang QW, Li J, Xie T, Liu C, Cao MY, Zhang RC, Wang S, Hu JM, Qiao WC, Li WW, Ruan HH. Decolorization characteristics of a newly isolated salt-tolerant <i>Bacillus</i> sp. Strain and its application for azo dye-containing wastewater in immobilized form. <i>Appl. Microbiol. Biotechnol.</i> 2015, 99:9277-9287.</p> <p>Yu L*, Zhang XY, Xie T, Hu JM, Wang S, Li WW. Intracellular azo decolorization is coupled with aerobic respiration by a <i>Klebsiella oxytoca</i> strain. <i>Appl. Microbiol. Biotechnol.</i> 2015, 99: 2431-2439.</p> <p>Yu L*, Zhang XY, Wang S, Xie T, Lei NY, Chen YL, Qiao WC*, Li WW, Lam M. Microbial community structure associated with treatment of azo dye in a start-up anaerobic sequenced batch reactor. <i>J Taiwan Ins. Chem. E.</i> 2015, 54:118-124.</p> <p>Yu L, Tu C, Luo YM*. Fabrication, characterization and evaluation of mesoporous activated carbons from agricultural waste: <i>Jerusalem artichoke</i> stalk as an example. <i>Front. Environ. Sci. Eng.</i> 2015, 9: 206-215.</p>
Before 2015	<p>Yu L*, Luo YM. The adsorption mechanism of anionic and cationic dyes by <i>Jerusalem artichoke</i> stalk-based mesoporous activated carbon. <i>J. Environ. Chem. Eng.</i> 2014, 2: 220-229.</p> <p>Chen ZX, Yu L, Liu WG, Lam MHW*, Liu GJ, Yin XB*. Nitrogen and oxygen isotopic compositions of water-soluble nitrate in Taihu Lake water system, China: implication for nitrate sources and biogeochemical process. <i>Environ. Earth Sci.</i> 2014, 71:217-223.</p> <p>Yu L, Li WW*, Lam HW*, Yu HQ. Isolation and characterization of a <i>Klebsiella oxytoca</i> strain for simultaneous azo-dye anaerobic reduction and bio-hydrogen production. <i>Appl. Microbiol. Biotechnol.</i> 2012, 95, 255-262.</p> <p>Yu L, Chen ZX, Li K, Li WW*. Anaerobic degradation of microcrystalline cellulose: kinetics and micro-scale structure evolution. <i>Chemosphere</i> 2012, 86: 348-353.</p> <p>Yu L, Li WW*, Lam HW*, Yu HQ. Adsorption and decolorization kinetics of methyl orange by anaerobic sludge. <i>Appl. Microbiol. Biotechnol.</i> 2011, 90: 1119-1127.</p>

Dr. Peiguo Zhou



Personal information

Current position	Associate professor
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Educational background

From	To	University/Institution	Degree and Major
2003	2006	Nanjing University	PhD/Environmental Engineering
2000	2003	Southeast University	Master/Environmental Engineering
1996	2000	Southeast University	Bachelor /Environmental Engineering

Research projects

From	To	Title of Project	Position	Project Description
2016	2020	Research on treatment of medium density fiberboard dry exhaust purification system wastewater	Project Leader	National key R & D projects of China
2016	2019	Integrated demonstration of Non-point Source pollution Control and waste Recycling Technology in Double-cycle system of Rice and Bamboo	technical director	Key R & D Projects of Jiangsu Province
2018	2019	Investigation on Water Environment of Taihu Lake	Project Leader	Jiangsu Water Pollution Control Office
2017	2018	Investigation on Water Environment of Taihu Lake	Project Leader	Jiangsu Water Pollution Control Office
2016	2017	Investigation on Water Environment of Taihu Lake	Project Leader	Jiangsu Water Pollution Control Office
2017	2018	Investigation on Water Environment Safety in	Project Leader	Nanjing Institute of Environmental Sciences

		Taihu Lake Benthic Animal Identification		
2014	2016	Research on the Key Technology and Equipment of the Dry-gas Treatment of Medium density Fiberboard	Project Leader	

Publications

Year	Publication
2018	YU Xiao,ZHU Nanfeng,LU Yilei,ZHANG Lei,ZHOU Peiguo*.Treatment of medium density fiberboard fiber dry exhaust purification system wastewater by Fenton-biological method[J]. Journal of Forestry Engineering. doi: 10. 13360 /j. issn. 2096—1359. 2018. 06. 017
2018	LU Tianyu, ZHOU Peiguo, ZHANG Nan, ZHANG Lei, SHENG Yaping. Research on the treatment of phenol wastewater by attapulgite heterogeneous Fenton catalysis[J]. Environmental pollution and Prevention, 2018,40(2):155-160
2017	Liu Jun, Zhang Qisheng, Zhou Peiguo. Effect of CO ₂ Doubling on Carbon and Nitrogen Circulation in Kandeliacandel Wetland Simulation System[J]. JOURNAL OF NORTHEAST FORESTRY UNIVERSITY, 2017, 45(5):80-84
2016	Xin Cao, Yixin Li, Xuyao Jiang, Peiguo Zhou, Jibiao Zhang, Zheng Zheng. Treatment of artificial secondary effluent for effective nitrogen removal using a combination of corncob carbon source and bamboo charcoal filter[J]. International Biodeterioration & Biodegradation, 2016(115) :164-170

Dr. Yongli Zhu



Personal information

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Educational background

From	To	University/Institution	Degree and Major
2002	2005	Chinese Academy of Sciences and Ministry of Water Resources	Ph.D. Soil science
1999	2002	Northwest A & F University	Master Soil science

Research projects

From	To	Title of Project	Position	Project Description
2012	2018	Agricultural and forestry waste recycling		1.Developing waste into environmental-friendly cultivation medium or organic fertilizer. 2.Developing waste into filter medium for sewage and biogas slurry treatment.
		Soil pollution control		Remediation of heavy metals in soil

Publications

Year	Publication
2018	5. Effect of vinegar residue ratios on growth of <i>Taxus chinensis</i> var. <i>mairei</i> seedlings, <i>Journal of Central South University of Forestry & Technology</i> , 2018,38(11):17-21, 28 6. Variation of net ecosystem carbon flux in growing season and its driving factors in a poplar plantation from Hung-tse Lake wetland. <i>Chinese Journal of Ecology</i> 2018, 37(2) : 322-331 DOI: 10. 13292 /j. 1000—4890. 201802. 016
2017	7. The heavy metal pollution situation and control in Hongze Lake, <i>Journal of Nanjing Forestry University (Natural Sciences Edition)</i> 2017,41(3) : 175-181

- | | |
|--|---|
| | 8. Land-use impacts on profile distribution of labile and recalcitrant carbon in the Ili River Valley, northwest China, <i>Sci Total Environ</i> , 2017 ,586: 1038-1045 |
|--|---|

Dr. Dongsheng Huang



Personal information

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Educational background

From	To	University/Institution	Degree and Major
2016	2018	Nanjing Forestry University	Doctor and Structural Engineering
2014	2016	Nanjing Forestry University	Doctor and Structural Engineering

Research projects

From	To	Title of Project	Position	Project Description
2016	2018	Study on the nonlinear fracture criterion and its characteristic physic of Parallel Strand Bamboo Composite	The first	National Science Fund of China (No. 51778299),
2014	2016	Study on fracture limit analysis model of medium and long length bending wood component	The first	National Science Fund of China (No. 51578291),

Publications

Year	Publication
2018	Dongsheng Huang , Baolu Sheng , Yurong Shen , Ying-Hei Chui. An analytical solution for double cantilever beam based on elastic - plastic bilinear

	cohesive law: Analysis for mode I fracture of fibrous composites. Engineering Fracture Mechanics. Vol.193 (2018) No.8: 66-76.
2017	Yurong Shen, Dongsheng Huang*, Aiping Zhou, David Hui. An inelastic model for ultimate state analysis of CFRP reinforced PSB beams. Composites Part B.115 (2017) 266~274.

Kaijian Huang, male, born in November 1981, Ph.D., associate professor, master tutor, visiting scholar of Texas A&M University, Nanjing Forestry University



Personal information

Current position	Associate Professor, Ph. D
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Educational background

From	To	University/Institution	Degree and Major
2004	2009	Nanjing University of Technology	Ph.D./ Material science
2000	2004	Nanjing University of Technology	Bachelor/ Inorganic materials

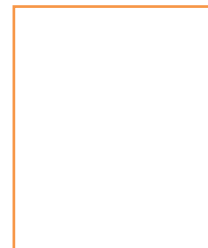
Research projects

From	To	Title of Project	Position	Project Description
2018	2021	National Natural Science Foundation of China	3/8	The mechanical behavior of a new type of frp-steel composite pipe reinforced concrete column with sea sand and its seismic design method based on reparability
2017	2018	National Natural Science Foundation of China	1/6	Research on the mechanism and restraint method of concrete pavement warping deformation under the temperature-humidity coupling mechanism
2016	2018	Project supported by the Natural Science Foundation of the Jiangsu Higher Education Institutions of China	1/6	Multi-scale restraint mechanism analysis of failure inhibition mechanism of pavement concrete in early stage
2017	2018	Open fund for state key laboratory of high-performance civil engineering materials	1/6	Research on the mechanism and restraining method of pavement concrete warping deformation in large temperature difference area

Publications

Year	Publication
2019	K. Huang, X. Shi, D.G. Zollinger,, Use of MgO expansion agent to compensate concrete shrinkage in jointed reinforced concrete pavement under high-altitude environmental conditions, <i>Constr. Build.Mater.</i> 202 (2019) 528–536
2019	Kai-Jian Huang, Yuan-Shuai Sun, Shan-Shan Sun, Xiao Zhang;y, He-Chang Lei. Physical properties of quaternary compounds Gd ₂ CoAl ₄ T ₂ (T= Si, Ge) single crystals. <i>Front. Phys.</i> 14(2), 23502 (2019)
2017	K. Huang, D.G. Zollinger, X. Shi, P. Sun, A developed method of analyzing temperature and moisture profiles in rigid pavement slabs, <i>Constr. Build. Mater.</i> 151 (2017) 782–788.
2016	M. M. Mirsayar, Kaijian Huang(Corresponding Author), New Approach to Determining Concrete Slab Lift-Off Using Interfacial Fracture Mechanics Concepts [J]. <i>Transportation Research Record: Journal of the Transportation Research Board</i> , 2016, 2590(2590):10-17.
2013	K. Huang, M. Deng, L. Mo, Y. Wang, Early age stability of concrete pavement by using hybrid fiber together with MgO expansion agent in high altitude locality, <i>Constr. Build. Mater.</i> 48 (2013) 685–690.

Dr. Xin Huang



Personal information

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Educational background

From	To	University/Institution	Degree and Major
1984	1987	Nanjing Forestry University	Master, Forest Engineering
1978	1982	Nanjing Forestry University	Bachelor, Forest Machinery Design

Research projects

From	To	Title of Project	Position	Project Description
2016	2018	The repair engineering of Yangzhi River Bridge	Engineering Supervisor	After near 50-year use, the Yangzhi River Bridge has been repaired.
2014	2016			

Publications

Year	Publication
2018	Fluid Mechanics ,Chief Editor ,China Communications Press
2017	Hydrology of Bridge and Culvert ,Chief Editor, China Communications Press

Dr. Zhaoqian Jing



Personal information

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Educational background

From	To	University/Institution	Degree and Major
2012	2013	Tohoku University	Postdoctor, Environment engineering
2003	2006	Southeast University	Ph.D, Environment engineering
2000	2003	Southeast University	Master, Environment engineering

Research projects

From	To	Title of Project	Position	Project Description
2015	2018	Comprehensive demonstration of construction technology of sightseeing, leisure and beautiful countryside in rapid urbanization area of Yangtze river delta	Sub-project leader	National Science and Technology Support Program
2015	2019	Research on low energy consumption regeneration technology of tail water of municipal	Project leader	Science and Technology Project from Ministry of Housing and Urban-Rural Development

		sewage treatment plant		
2015	2019	Methods and mechanism of strengthening the function of nitrogen and phosphorus reduction from runoff in waterfront shelterbelt	Project leader	Scientific Research Foundation for the Returned Overseas Chinese Scholars, State Education Ministry

Publications

Year	Publication
2018	(1) Xie Tingyu, Jing Zhaoqian* , Hu Jing, Yuan Peng, Liu Yali, Cao Shiwei, Degradation of nitrobenzene-containing wastewater by a microbial-fuel-cell-coupled constructed wetland. <i>Ecological Engineering</i> , 2018,112, 65-71
2017	(1) Dai Zheqin, Lu Xiwu*, Jing Zhaoqian , Nitrogen and phosphorus removal processes under different aeration strengths in the principal-type tank of alternate multiple tanks system and process control. <i>Environmental technology</i> , 2017: 1-10 (2) Liu Yali, Kang Xiaorong, Li Xin, Wang Zheng, Jing Zhaoqian . Performance and mechanism of sludge dewaterability enhanced by potassium ferrate pretreatment and calcium chloride addition. <i>Journal of Water Reuse and Desalination</i> , 2017,7 (2) : 136-141
2016	(1) Jing Zhaoqian* , Peng Yingyan , He Rui , Xu Yan , Yu Ting , Hu Jing , Poplar leaves reclamation for porous granules and their application in nitrobenzene removal from aqueous solution , <i>Desalination and Water Treatment</i> , 2016 , 57 (1) : 449-458
2015	(1) Jing Zhaoqian* , Rui He , Yong Hu , Qigui Niu , Shiwei Cao , Yu-You Li , Practice of integrated system of biofilter and constructed wetland in highly polluted surface water treatment , <i>Ecological Engineering</i> , 2015 , 75 : 462-469

	<p>(2) Hu Yong , Jing Zhaoqian , Sudo Yuta , Niu Qigui , Du Jingru , Wu Jiang , Li Yu-You* , Effect of influent COD/SO₄²⁻ ratios on UASB treatment of a synthetic sulfate-containing wastewater , <i>Chemosphere</i> , 2015 , 130 (130) : 24-33</p> <p>(3) Chen Lei, Wang Zheng, Jing Zhaoqian, Wang Zhulai, Cao Shiwei, Yu Ting. Accumulation and Risk of Triclosan in Surface Sediments Near the Outfalls of Municipal Wastewater Treatment Plants. <i>Bulletin of Environmental Contamination and Toxicology</i>, 2015, 95(4): 525-529</p> <p>(4) Jingru Du, Yong Hu, Weikang Qi, Yanlong Zhang, Zhaoqian Jing, Michael Norton, Yu-You Li, Influence of four antimicrobials on methane-producing <i>archaea</i> and sulfate-reducing bacteria in anaerobic granular sludge, <i>Chemosphere</i>, 2015, 140: 184-190</p> <p>(5) Niu Qigui, Kubota Kengo, Qiao Wei, Jing Zhaoqian, Zhang Yanlong, Li Yu-You, Effect of ammonia inhibition on microbial community dynamic and process functional resilience in mesophilic methane fermentation of chicken manure, <i>Journal of Chemical Technology and Biotechnology</i>, 2015, 90(12): 2161-2169</p>
2013	<p>(1) Jing Zhaoqian, Hu Yong, Niu Qigui, Liu Yuyu, Li Yu-You, Wang Xiaochang C. UASB performance and electron competition between methane-producing archaea and sulfate-reducing bacteria in treating sulfate-rich wastewater containing ethanol and acetate. <i>Bioresource Technology</i>, 2013, 137, 349-357</p> <p>(2) Jing Zhaoqian. Characterization of nano-porous ceramic granules made with coal fly ash and their utilization in phenol removal from water. <i>Journal of Nanomaterials</i>, 2013, http://dx.doi.org/10.1155/2013/606940</p>
2012	<p>(1) Jing Zhaoqian, Li Yu-You, Cao Shiwei, Liu Yuyu. Performance of double-layer biofilter packed with coal fly ash ceramic granules in treating highly polluted river water. <i>Bioresource Technology</i>, 2012, 120, 212-217</p> <p>(2) Jing Zhaoqian, Cao Shiwei. Combined application of UV photolysis and ozonation with biological aerating filter in tertiary wastewater treatment. <i>International Journal of Photoenergy</i>, 2012, doi:10.1155/2012/140605</p>

Dr. Haitao Li



Personal information

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Educational background

From	To	University/Institution	Degree and Major
2007	2010	Tongji University and the University of Western Australia	Doctor of Philosophy (Structural Engineering)
2004	2007	Zheng-zhou University	Master of Engineering Science (Structural Engineering)
2000	2004	Zheng-zhou University	Bachelor of Engineering (Civil Engineering)

Research projects

From	To	Title of Project	Position	Project Description
2019	2022	Constitutive model and mechanical calculation method research on embedded FRP laminated bamboo lumber beam	project leader	The National Natural Science Foundation of China (51878354)
2018	2021	Damage mechanism and mechanical calculation model for CFRP laminated bamboo column	project leader	The Natural Science Foundation of Jiang-su Province (No. BK20181402)

Publications

Year	Publication
2018	Haitao Li* , Zhenyu Qiu, Gang Wu, Ottavia Corbi, Li-bin Wang, Ileana Corbi, Congan Yuan. Slenderness ratio effect on eccentric compression performance of parallel strand bamboo lumber columns [J]. <i>Journal of Structural Engineering ASCE</i> . 2018, accepted (SCI&EI, IF 2.021)
2018	Haitao Li* , Rong Liu, Rodolfo Lorenzo, Gang Wu, Li-bin WANG. Eccentric compression properties of laminated bamboo lumber columns with different slenderness ratios [J]. <i>Proceedings of the Institution of Civil Engineers - Structures and Buildings</i> , 2018, published online (SCI&EI, IF 0.674)
2018	Haitao Li* , Gang Wu, Qisheng Zhang, Deeks A.J.*, Jingwen Su. Ultimate bending capacity evaluation of laminated bamboo lumber beams [J]. <i>Construction and Building Materials</i> , 2018, 160: 365-375 (SCI&EI, IF 3.485)

2016	Haitao Li* , Gang Wu, Qisheng Zhang, Jingwen Su. Mechanical evaluation for laminated bamboo lumber along two eccentric compression directions [J]. <i>Journal of wood science</i> , 2016, 62(6):503-517 (SCI&EI, IF 1.413)
2016	Haitao Li* , Guo Chen, Qisheng Zhang, Mahmud Ashraf*, Bin Xu, Yanjun Li. Mechanical properties of laminated bamboo lumber column under radial eccentric compression [J]. <i>Construction and Building Materials</i> , 2016, 121: 644-652 (SCI&EI, IF 3.485)
2015	Haitao Li* , Jingwen Su, Qisheng Zhang, Deeks A.J., David Hui. Mechanical performance of laminated bamboo column under axial compression [J]. <i>Composites Part B: Engineering</i> , 2015, 79: 374-382. DOI information: 10.1016/j.compositesb.2015.04.027 (SCI&EI, IF 4.920)
2013	Haitao Li* , Qisheng Zhang, Dongsheng Huang, Deeks A.J. *. Compressive performance of laminated bamboo [J]. <i>Composites Part B: Engineering</i> , 2013, 54(1):319-328 (SCI&EI, IF 4.920)
2013	Haitao Li* , Deeks A.J., Xiaozu Su. Experimental Study on Compressive Bond Anchorage Properties of 500 MPa Steel Bars in Concrete [J]. <i>Journal of Structural Engineering ASCE</i> , 2013,139(12):04013005-1-7. (SCI&EI, IF 2.021)

Dr.Jie Li



Personal information

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Educational background

From	To	University/Institution	Degree and Major
2005	2012	Southeast University	Ph D, Management Science and Engineering
1996	2000	Nanjing Forestry University	M.Sc, Forestry Engineering
1988	1992	Nanjing Forestry University	B.Eng., Forestry Engineering

Research projects

From	To	Title of Project	Position	Project Description
2018	2020	Project Management System of General Contracting Subway Projects	Primary Investigator	Research on innovative project management system of General Contracting Subway Projects
2013	2015	Emergency Management System of Construction Safety Contingencies of Large Scale Civil Engineering	Primary Investigator	Research on identification, evaluation and dealing with on construction safety contingencies of large scale civil engineering
2011	2013	The strategies and count-measures of safety risk management system for China Civil Engineering – topic 1: The situation and problems of safety management of civil engineering in China	Primary Investigator	To investigate the safety situation and to analyze the problems behind of civil engineering projects

Publications

Year	Publication
Book:	
2015	Li Jie, Cheng Hu, Patrick X.W. Zou. Risk Assessment and Flexible Contract Management for BOT/PPP Road Projects. Nanjing: Southeast University Press, 2015
Research Paper:	
2018	Li J., Mao P., Dai ZH. And Zhang J.(2018), Traffic Allocation Mode of PPP Highway Project: A Risk Management Approach, Advances in Civil Engineering, 2018
2018	Lin TT., Li J., Jiang Y. and Yuan JF.(2018), Qualitative Ananalysis of the Operating Period Risks for Toll Road PPP Projects, Journal of Civil Engineering and Management(Chinese), 35(5), 145-152
2016	Jiang Qinyao, Li Jie (2016) , Influencing Factors of Construction Workers' Safety Awareness Based on Interpretive Structure Model, Journal of Civil Engineering and Management, 33(3), 106-110+117
2011	Li J. and P., Zou P. X. W. (2011). Fuzzy AHP-Based Risk Assessment Methodology for PPP Projects. Journal of Construction Engineering and Management, ASCE, December 2011, 1205-1209
2010	Li J. and P., Zou P. X. W. (2011). Fuzzy AHP-Based Risk Assessment Methodology for PPP Projects. Journal of Construction Engineering and Management, ASCE, December 2011, 1205-1209
2010	Zou P. X.W. and Li J. (2010), Risk Identification and Assessment in Subway Projects: case study of Nanjing Subway Line 2, Construction Management and Economics, December 2010, (28), pp1219–1238
2010	Chen Shouke, Wei Zhuobin, Li Jie(2010), Comprehensive Evaluation for Construction Performance in Concurrent Engineering Environment , International Journal of Project Management, volume 28, Issue 7,pp 708-718

Dr. Cheng Liu



Personal information

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Educational background

From	To	University/Institution	Degree and Major
2007	2010	Tongji University	Ph D
2014	2016		

Research projects

From	To	Title of Project	Position	Project Description
2016	2018	Mechanism of Fiber Slurry Invasion and Slurry Membrane Formation in Complex Strata for Slurry Shield	National Fund	Maintaining the stability of excavation face of large underwater shield tunnel is difficult in the uneven complex strata with different permeability. During tunneling, the key scientific problem is the formation of safe and effective slurry membrane by using bridging to clog slurry fine particles. The evolution law of slurry seepage flow in complex strata is complicated, and the slurry membrane is not uniform.

Publications

Year	Publication
2018	LIU Cheng, LU Yang, LYU Wei-hua, LIU Lei. Effects of Coarse-particle Materials in Slurry on Filter-cake Formation Effectiveness in Sandy Strata[J]. China Journal of Highway and Transport, 2018, 31(9): 104-111.
2018	LIU Cheng, LU Yang, LIU Lei, LYU Wei-hua,. Analysis of clogging mechanism and filter-cake formation structure of slurry containing coarse-particle materials in Sandy Strata.2018, 55(5): 245-253.

Peng Mao, Ph.D.

Personal information



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Educational background

From	To	University/Institution	Degree and Major
2006	2010	Southeast University	Ph.D. Management Science and Engineering
2003	2006	Southeast University	M.Sc. Management Science and Engineering
1994	1998	Southeast University	B.Eng. Civil Engineering

Research projects

From	To	Title of Project	Position	Project Description
2013/07	2015/07	BIM-based Life-cycle Information Management on Construction Projects	Principal Investigator	The planned projects of Bureau of Construction of Jiangsu Province. Research on the life-cycle information management on construction projects based on BIM.
2012/06	2013/12	Research on Design and Management of Indemnificatory Housing Projects in China	Principal Investigator	Technology supporting project of Nanjing Forestry University. Research on the current situation of design and management of indemnificatory housing projects in China.
2012/01	2014/12	Research on Indemnificatory Housing Multi-Programme Organization in Life Cycle Management	Principal Investigator	Humanities and social science project of Ministry of Education in China. Research on the multi-programme organization in life cycle management of indemnificatory housing.
2011/06	2012/08	Research on Key Technologies of Life Cycle Management of	Principal Investigator	Technology supporting postdoctoral project of Jiangsu province. Research on the key

		Indemnificatory Housing Projects in China		technologies of life cycle management of indemnificatory housing projects in China.
2010/04	2011/04	Research on Transformer Station Life-cycle Design and Management	Principal Investigator	State Grid Corporation of China (SGCC) project. Research on the life-cycle design and management of transformer station.
2013/10	2015/12	Research on Acceptance Criteria of Energy and Land Saving in Indemnificatory Housing Projects	Program Participant	The planned projects of Ministry of Housing and Urban-Rural Development of China. Research on the acceptance criteria of energy and land saving in indemnificatory housing projects.
2011/03	2014/07	Present Status and Existing Problems in Chinese Engineering Safety and Management	Program Participant	Major consulting project of Chinese Academy of Engineering (sub-project). Research on present status and existing problems in engineering safety and management in China.
2010/04	2011/04	Research on Statistical Index System of the Housing Market in China	Program Participant	The planned projects of Ministry of Housing and Urban-Rural Development of China. Research on the statistical index system of the housing market in China.

Publications

Year	Publication
2018	Peng Mao , Jie Li, Yongtao Tan, Jiao Qi, Lilin Xiong. Regional Suitability of Climate- Responsive Technologies for Buildings Based on Expert Knowledge: A China Study[J]. <i>Journal of Cleaner Production</i> . 2018, 204:158-168 (DOI:10.1016/j.jclepro.2018.08.274) (<i>SCI</i>)
2018	MAO Peng , WANG Wen-han, LI Jie, et al. Effects of Indoor Illumination on Learning Efficiency in University Classroom[J]. <i>Journal of Southeast University (Medical Science Edition)</i> , 2018, 37(4). (<i>in Chinese</i>) (<i>PKU</i>)
2018	MAO Peng , WEI Jia-wei, LI Jie, JIN Li-yan, YUAN Jing-feng. Research on Economic Loss of Health Damage from Construction Dust[J]. <i>Journal of Civil Engineering and Management</i> , 2018. (<i>in Chinese</i>) (<i>SCD, PKU</i>)
2018	MAO Peng , SHAN Xiao-di, LI Jie, ZANG Qi, YUAN Jing-feng. Evaluation on Environment Impact in Building Demolition Stage[J]. <i>Construction Economy</i> , 2018, 5. (<i>in Chinese</i>) (<i>SCD</i>)

2017	Peng MAO , Jiao QI, Yongtao Tan, Jie LI. An Examination of Factors Affecting Healthy Building: An Empirical Study in East China[J]. <i>Journal of Cleaner Production</i> , 2017, 162: 1266-1274. (DOI: 10.1016/j.jclepro.2017.06.165) (SCI)
2017	Mao Peng , Li Shuai, Ye Kunhui, Cai Hubo. A field theory based model for identifying the effect of organizational structure on the formation of organizational culture in construction projects[J]. <i>KSCE Journal of Civil Engineering</i> , 2017, 21(1): 45-53. (DOI: 10.1007/s12205-016-1233-7) (SCI)

Dr. Tao Xu



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Educational background

From	To	University/Institution	Degree and Major
2006	2009	Southeast University	Ph.D. in Highway and Railway Engineering
2001	2004	Southeast University	M.S. in Highway and Railway Engineering
1994	1998	Wuhan University of Technology	B.S. in Traffic Infrastructure Engineering

Research projects

From	To	Title of Project	Position	Project Description
2014	2017	Natural Science Foundation of China	PI	Investigation into the self-repairing mechanism of embedded sewing materials on concrete pavement based on shape memory effects

Publications

Year	Publication
2018	Xiaohui Sheng, Mo Wang, Tao Xu*. Preparation, properties and modification mechanism of polyurethane modified emulsified asphalt. <i>Construction and Building Materials</i> , 189 (2018): 375–383.
2018	Shuang Shi, Dongya Shen, Tao Xu*, Yuqing Zhang. Thermal, optical, interfacial and mechanical properties of titanium dioxide/shape memory polyurethane nanocomposites. <i>Composites Science and Technology</i> , 164(2018): 17–23.
2017	Dongya Shen, Shuang Shi, Tao Xu*. Effects of two-dimensional programming on microstructures and thermal properties of shape memory polymer-based composites. <i>Journal of Applied Polymer Science</i> , 134 (44) (2017): 45480–45489.
2017	Zhihui Hu, Bowen Fang, Tao Xu*. Photocatalytic degradation of vehicle exhaust using Fe-doped TiO ₂ loaded on activated carbon. <i>Applied Surface Science</i> , 420 (2017): 34–42.
2016	Kai Huang, Tao Xu*, Guofen Li. Heating effects of asphalt pavement during hot in-place recycling using DEM. <i>Construction and Building Materials</i> , 115 (2016): 62–69.

2016	Shuguang Hou, Tao Xu*, Kai Huang. Investigation into engineering properties and strength mechanism of grouted macadam composite materials. <i>International Journal of Pavement Engineering</i> , 17(10) (2016): 878–886.
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Dr. Qiang Yang



Personal information

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Educational background

From	To	University/Institution	Degree and Major
2018	2019	College of Agriculture, Purdue University	Visiting Scholar
2009	2012	School of Geography and Ocean Science, Nanjing University	Doctor Degree, Cartography and Geography Information System
2006	2009	School of Earth Science, China University of Geosciences(Wuhan)	Master Degree, Cartography and Geographic Information Engineering
2002	2006	Institute of Resources & Environment, Henan polytechnic University	Bachelor Degree, Geographical information System

Research projects

From	To	Title of Project	Position	Project Description
2016	2018	Geological Interpretation by Using of Remote Sensing Technology in Nanjing and Ningbo	Project leader	Geo-environmental Survey and Ecological Survey (From Nanjing Geological Survey Center, China Geological Survey)
2016	2017	Study of Spatial and temporal Response between Ecological Service Value and Urban Pattern on Lake Wetlands	Project leader	Spatial and Temporal Change of Ecological Service Value Driven by Urban Pattern (From Ministry of Housing and Urban-Rural Development of the People's Republic of China)
2017	2017	Study of Spatial and temporal Response between Urban Landscape Pattern	Project leader	Spatial and Temporal Change of Ecological Quality Driven by Urban Pattern (From Jiangsu

		Ecological Carrying Capacity in Yangtze River Economic Zones		Association of Science and Technology)
2015	2016	Study of Spatial and temporal Response between Urban Landscape Pattern Ecological Carrying Capacity in Jiangsu Province	Project leader	Spatial and Temporal Change of Ecological Quality Driven by Urban Pattern (From Jiangsu Provincial Bureau of Surveying Mapping and Geoinformation)
2015	2016	Study of Spatial and temporal Response between Oasis Urban Landscape Pattern Ecological Carrying Capacity in Silk Road Economic Belt	Project leader	Spatial and Temporal Change of Ecological Quality Driven by Urban Pattern on Oasis (From Key Laboratory of Digital Earth Science, Institute of Remote Sensing and Digital Earth, Chinese Academy of Sciences)
2013	2015	Quantitative Analysis on the Impact of the Climate Change on Grain Production in Jiangsu Province Based on RS and GIS, China	Project leader	Spatial and Temporal Change of Grain Production Driven by Climate Change (From Nanjing Forestry University)

Publications

Year	Publication
2017	Spatiotemporal changes in population distribution and socioeconomic development in China from 1950 to 2010 (Arabian Journal of Geosciences)
2017	Spatial-temporal shift for major boundary of climate regionalization based on meteorological data stimulated by HadCM3 during from 1950-2059 in China (Arid Land Geography)
2016	Spatial distribution pattern of population and characteristics of its evolution in China during 1935-2010 (Geographical Research)
2016	Temporal-Spatial coupling analysis between population change trend and socioeconomic development in China from 1952 to 2010 (Journal of Remote Sensing)
2015	Characteristics of vegetation cover change in Xilin Gol League based on MODIS EVI data(Transactions of the Chinese Society of Agricultural Engineering)
2015	Urban Expansion and Its Driving Force for Putian City from 1988 to 2014 (Remote Sensing Information)
2015	Spatial-temporal variation of land use /cover and the analysis of its effect on ecological vulnerability in Yulin City of Shaanxi Province (Journal of Nanjing Forestry University (Natural Sciences Edition))

2014	Characteristics of annual change in temperature and precipitation in Yan'an region during 1980-2010 (Journal of Nanjing Forestry University (Natural Sciences Edition))
2013	Parcel-level decision-making of farmers is influenced by Neighborhood, kinship and socioeconomic factors (Resources Science)
2012	Temporal and Spatial Variations of Vegetation Cover in Hulun Buir Grassland of Inner Mongolia, China (Arid Land Research and Management)
2012	Characteristic of climate factor change in Yulin region during 1970-2010 (Arid Land Geography)
2011	Decomposition technique of mixed pixel used in monitoring and evaluation of water quality of water quality based on ASTER (Remote Sensing Information)
2009	The remote sensing extraction method for the mining area and the solid waste in Baokang phosphorite ore district, Hubei Province (Remote Sensing for Land & Resources)
2008	Water Quality Monitoring by Remote Sensing in Hushan Tailings Reservoir of Huji, Hubei Province (Proceedings of SPIE)