

2020 年以天津大学为第一单位发表 SCI 论文

作者	论文题目	期刊
Ping, B; Su, FZ; Meng, YS	A Cloud and Cloud Shadow Detection Method Based on Fuzzy c-Means Algorithm	IEEE JOURNAL OF SELECTED TOPICS IN APPLIED EARTH OBSERVATIONS AND REMOTE SENSING
Liu, XY; Wu, D; Song, X; Dong, YP; Chen, CJ; Song, W; Liu, CQ; Koba, K	A Non-steady State Model Based on Dual Nitrogen and Oxygen Isotopes to Constrain Moss Nitrate Uptake and Reduction	JOURNAL OF GEOPHYSICAL RESEARCH-BIOGEOSCIENCES
Yang, SL; Hao, Q; Wang, HL; Van Zwieten, L; Yu, CX; Liu, TZ; Yang, XM; Zhang, XD; Song, ZL	A review of carbon isotopes of phytoliths: implications for phytolith-occluded carbon sources	JOURNAL OF SOILS AND SEDIMENTS
Hu, W; Murata, K; Fan, CL; Huang, S; Matsusaki, H; Fu, PQ; Zhang, DZ	Abundance and viability of particle-attached and free-floating bacteria in dusty and nondusty air	BIOGEOSCIENCES
Du, HY; Chen, CM; Yu, GH; Polizzotto, ML; Sun, FS; Kuzyakov, Y	An iron-dependent burst of hydroxyl radicals stimulates straw decomposition and CO ₂ emission from soil hotspots: Consequences of Fenton or Fenton-like reactions	GEODERMA
Wang, X; Shi, TL; Zhang, XY; Chen, Y	An Overview of Snow Albedo Sensitivity to Black Carbon Contamination and Snow Grain Properties Based on Experimental Datasets Across the Northern Hemisphere	CURRENT POLLUTION REPORTS
Qi, YL; Fu, PQ; Volmer, DA	Analysis of natural organic matter via fourier transform ion cyclotron resonance mass spectrometry: an overview of recent non-petroleum applications	MASS SPECTROMETRY REVIEWS
Qi, YL; Fu, PQ; Li, SL; Ma, C; Liu, CQ; Volmer, DA	Assessment of molecular diversity of lignin products by various ionization techniques and high-resolution mass spectrometry	SCIENCE OF THE TOTAL ENVIRONMENT
Zhang, RC; Li, YX; Wang, ZJ; Tong, YD; Sun, PZ	Biochar-activated peroxydisulfate as an effective process to eliminate pharmaceutical and metabolite in hydrolyzed urine	WATER RESEARCH
Hu, W; Wang, ZH; Huang, S; Ren, LJ; Yue, SY; Li, P; Xie, QR; Zhao, WY; Wei, LF; Ren, H; Wu, LB; Deng, JJ; Fu, PQ	Biological Aerosol Particles in Polluted Regions	CURRENT POLLUTION REPORTS

Sun, FS; Yu, GH; Ning, JY; Zhu, XD; Goodman, BA; Wu, J	Biological removal of cadmium from biogas residues during vermicomposting, and the effect of earthworm hydrolysates on <i>Trichoderma guizhouense</i> sporulation	BIORESOURCE TECHNOLOGY
Deng, JJ; Zhao, W; Wu, LB; Hu, W; Ren, LJ; Wang, X; Fu, PQ	Black carbon in Xiamen, China: Temporal variations, transport pathways and impacts of synoptic circulation	CHEMOSPHERE
Chen, BB; Li, SL; von Strandmann, PAEP; Sun, J; Zhong, J; Li, C; Ma, TT; Xu, S; Liu, CQ	Ca isotope constraints on chemical weathering processes: Evidence from headwater in the Changjiang River, China	CHEMICAL GEOLOGY
Wang, WF; Yi, YB; Zhong, J; Kumar, A; Li, SL	Carbon biogeochemical processes in a subtropical karst river-reservoir system	JOURNAL OF HYDROLOGY
Xia, SP; Song, ZL; Jeyakumar, P; Bolan, N; Wang, HL	Characteristics and applications of biochar for remediating Cr(VI)-contaminated soils and wastewater	ENVIRONMENTAL GEOCHEMISTRY AND HEALTH
Xiao, H; Xiao, HY; Zhang, ZY; Zheng, NJ; Li, QK; Li, XD	Chemical Characteristics of Major Inorganic Ions in PM _{2.5} Based on Year-Long Observations in Guiyang, Southwest China-Implications for Formation Pathways and the Influences of Regional Transport	ATMOSPHERE
Wang, WF; Li, SL; Zhong, J; Maberly, SC; Li, C; Wang, FS; Xiao, HY; Liu, CQ	Climatic and anthropogenic regulation of carbon transport and transformation in a karst river-reservoir system	SCIENCE OF THE TOTAL ENVIRONMENT
Yang, Y; Lang, YC; Xu, S; Liu, CQ; Cui, LF; Freeman, SPHT; Wilcken, KM	Combined unsteady denudation and climatic gradient factors constrain carbonate landscape evolution: New insights from in situ cosmogenic Cl-36	QUATERNARY GEOCHRONOLOGY
Wang, TJ; Wu, DD; Zhan, CS	Comparison of environmental controls on soil moisture spatial patterns at mesoscales: Observational evidence from two regions in China	GEODERMA
Yang, ML; Shi, J; Wang, BL; Xiao, J; Li, WZ; Liu, CQ	Control of Hydraulic Load on Bacterioplankton Diversity in Cascade Hydropower Reservoirs, Southwest China	MICROBIAL ECOLOGY
Xu, S; Lang, YC; Zhong, J; Xiao, M; Ding, H	Coupled controls of climate, lithology and land use on dissolved trace elements in a karst river system	JOURNAL OF HYDROLOGY
Yang, MD; Li, XD; Huang, J; Ding, SY; Cui, GY; Liu, CQ; Li, QK; Lv, H; Yi, YB	Damming effects on river sulfur cycle in karst area: A case study of the Wujiang cascade reservoirs	AGRICULTURE ECOSYSTEMS & ENVIRONMENT

Zhang, YG; Schaap, MG; Wei, ZW	Development of Hierarchical Ensemble Model and Estimates of Soil Water Retention With Global Coverage	GEOPHYSICAL RESEARCH LETTERS
Han, Q; Liu, Q; Wang, TJ; Wang, LC; Di, CL; Chen, X; Smettem, K; Singh, SK	Diagnosis of environmental controls on daily actual evapotranspiration across a global flux tower network: the roles of water and energy	ENVIRONMENTAL RESEARCH LETTERS
Yang, XY; Li, YJ; Wang, BL; Xiao, J; Yang, ML; Liu, CQ	Effect of hydraulic load on thermal stratification in karst cascade hydropower reservoirs, Southwest China	JOURNAL OF HYDROLOGY-REGIONAL STUDIES
Li, SL; Xu, S; Wang, TJ; Yue, FJ; Peng, T; Zhong, J; Wang, LC; Chen, JA; Wang, SJ; Chen, X; Liu, CQ	Effects of agricultural activities coupled with karst structures on riverine biogeochemical cycles and environmental quality in the karst region	AGRICULTURE ECOSYSTEMS & ENVIRONMENT
Yu, GH; Chi, ZL; Kappler, A; Sun, FS; Liu, CQ; Teng, HH; Gadd, GM	Fungal Nanophase Particles Catalyze Iron Transformation for Oxidative Stress Removal and Iron Acquisition	CURRENT BIOLOGY
Zhao, Y; Ren, H; Deng, JJ; Li, LJ; Hu, W; Ren, LJ; Yue, SY; Fan, YB; Wu, LB; Li, J; Sun, YL; Wang, ZF; Akimoto, H; Zeng, X; Cheng, Y; Kong, SF; Su, H; Cheng, YF; Kawamura, K; Fu, PQ	High daytime abundance of primary organic aerosols over Mt. Emei, Southwest China in summer	SCIENCE OF THE TOTAL ENVIRONMENT
Qin, CQ; Li, SL; Waldron, S; Yue, FJ; Wang, ZJ; Zhong, J; Ding, H; Liu, CQ	High-frequency monitoring reveals how hydrochemistry and dissolved carbon respond to rainstorms at a karstic critical zone, Southwestern China	SCIENCE OF THE TOTAL ENVIRONMENT
Hao, Q; Yang, SL; Song, ZL; Ran, XB; Yu, CX; Chen, CM; Van Zwieten, L; Quine, TA; Liu, HY; Wang, ZG; Wang, HL	Holocene carbon accumulation in lakes of the current east Asian monsoonal margin: Implications under a changing climate	SCIENCE OF THE TOTAL ENVIRONMENT
Feng, XQ; Li, QK; Tao, YL; Ding, SY; Chen, YY; Li, XD	Impact of Coal Replacing Project on atmospheric fine aerosol nitrate loading and formation pathways in urban Tianjin: Insights from chemical composition and N-15 and O-18 isotope ratios	SCIENCE OF THE TOTAL ENVIRONMENT
Zhu, JL; Penner, JE	Indirect Effects of Secondary Organic Aerosol on Cirrus Clouds	JOURNAL OF GEOPHYSICAL RESEARCH-ATMOSPHERES
Chen, W; Xiang, HB; Moriya, K	Individual Tree Position Extraction and Structural Parameter Retrieval Based on Airborne LiDAR Data: Performance	REMOTE SENSING

	Evaluation and Comparison of Four Algorithms	
Cui, GY; Li, XD; Yang, MD; Ding, SY; Li, QK; Wang, YY; Yang, Z; Ding, H	Insight into the mechanisms of denitrification and sulfate reduction coexistence in cascade reservoirs of the Jialing River: Evidence from a multi-isotope approach	SCIENCE OF THE TOTAL ENVIRONMENT
Mohinuzzaman, M; Yuan, J; Yang, XM; Senesi, N; Li, SL; Ellam, RM; Mostofa, KMG; Liu, CQ	Insights into solubility of soil humic substances and their fluorescence characterisation in three characteristic soils	SCIENCE OF THE TOTAL ENVIRONMENT
Wu, DD; Wang, TJ; Di, CL; Wang, LC; Chen, X	Investigation of controls on the regional soil moisture spatiotemporal patterns across different climate zones	SCIENCE OF THE TOTAL ENVIRONMENT
Chen, CM; Hall, SJ; Coward, E; Thompson, A	Iron-mediated organic matter decomposition in humid soils can counteract protection	NATURE COMMUNICATIONS
Xu, H; Goldsmith, Y; Lan, JH; Tan, LC; Wang, XL; Zhou, XY; Cheng, J; Lang, YC; Liu, CQ	Juxtaposition of Western Pacific Subtropical High on Asian Summer Monsoon Shapes Subtropical East Asian Precipitation	GEOPHYSICAL RESEARCH LETTERS
Liu, W; Liu, Y; Zeng, ZX; Yang, BZ; Peng, LH; Xu, DL; Wei, YX; Li, YQ; Ellam, RM; Xu, S	K-bentonites in Ordovician-Silurian transition from South China: implications for tectonic evolution in the northern margin of Gondwana	JOURNAL OF THE GEOLOGICAL SOCIETY
Fan, YB; Liu, CQ; Li, LJ; Ren, LJ; Ren, H; Zhang, ZM; Li, QK; Wang, S; Hu, W; Deng, JJ; Wu, LB; Zhong, SJ; Zhao, Y; Pavuluri, CM; Li, XD; Pan, XL; Sun, YL; Wang, ZF; Kawamura, K; Shi, ZB; Fu, PQ	Large contributions of biogenic and anthropogenic sources to fine organic aerosols in Tianjin, North China	ATMOSPHERIC CHEMISTRY AND PHYSICS
Ma, TY; Liu, XY; Xu, SQ; Guo, HR; Huang, H; Hu, CC; Wu, D; Sun, ZC; Chen, CJ; Song, W	Levels and variations of soil organic carbon and total nitrogen among forests in a hotspot region of high nitrogen deposition	SCIENCE OF THE TOTAL ENVIRONMENT
Ma, TT; Weynell, M; Li, SL; Liu, YS; Chetelat, B; Zhong, J; Xu, S; Liu, CQ	Lithium isotope compositions of the Yangtze River headwaters: Weathering in high-relief catchments	GEOCHIMICA ET COSMOCHIMICA ACTA
Yang, ML; Che, SY; Zhang, YX; Song, WQ; Yan, GR; Yu, WW	Malus niedzwetzkyana (Dieck) Langenf transcriptome comparison and phylogenetic analysis with Malus sieversii (Ledeb) Roem	GENETIC RESOURCES AND CROP EVOLUTION

Sun, SB; Zhang, YG; Song, ZL; Chen, BZ; Zhang, YJ; Yuan, WP; Chen, C; Chen, W; Ran, XB; Wang, YD	Mapping Coastal Wetlands of the Bohai Rim at a Spatial Resolution of 10 m Using Multiple Open-Access Satellite Data and Terrain Indices	REMOTE SENSING
Sun, FS; Yu, GH; Zhao, XY; Polizzotto, ML; Shen, YJ; Zhou, HB; Zhang, X; Zhang, JC; He, XS	Mechanisms of potentially toxic metal removal from biogas residues via vermicomposting revealed by synchrotron radiation-based spectromicroscopies	WASTE MANAGEMENT
Meng, M; Sun, RY; Liu, HW; Yu, B; Yin, YG; Hu, LG; Chen, JB; Shi, JB; Jiang, GB	Mercury isotope variations within the marine food web of Chinese Bohai Sea: Implications for mercury sources and biogeochemical cycling	JOURNAL OF HAZARDOUS MATERIALS
Sun, RY; Yuan, JJ; Sonke, JE; Zhang, YX; Zhang, T; Zheng, W; Chen, S; Meng, M; Chen, JB; Liu, Y; Peng, XT; Liu, CQ	Methylmercury produced in upper oceans accumulates in deep Mariana Trench fauna	NATURE COMMUNICATIONS
Yang, J; Zhao, WY; Wei, LF; Zhang, Q; Zhao, Y; Hu, W; Wu, LB; Li, XD; Pavuluri, CM; Pan, XL; Sun, YL; Wang, ZF; Liu, CQ; Kawamura, K; Fu, PQ	Molecular and spatial distributions of dicarboxylic acids, oxocarboxylic acids, and alpha-dicarbonyls in marine aerosols from the South China Sea to the eastern Indian Ocean	ATMOSPHERIC CHEMISTRY AND PHYSICS
Xu, SF; Ren, LJ; Lang, YC; Hou, SJ; Ren, H; Wei, LF; Wu, LB; Deng, JJ; Hu, W; Pan, XL; Sun, YL; Wang, ZF; Su, H; Cheng, YF; Fu, PQ	Molecular markers of biomass burning and primary biological aerosols in urban Beijing: size distribution and seasonal variation	ATMOSPHERIC CHEMISTRY AND PHYSICS
Bhat, MA; Dar, T; Bali, BS	Morphotectonic analysis of Aripal Basin in the North-Western Himalayas (India): An evaluation of tectonics derived from geomorphic indices	QUATERNARY INTERNATIONAL
Sun, SB; Song, ZL; Chen, X; Wang, TJ; Zhang, YG; Zhang, DB; Zhang, HF; Hao, Q; Chen, BZ	Multimodel-based analyses of evapotranspiration and its controls in China over the last three decades	ECOHYDROLOGY
Li, C; Li, SL; Yue, FJ; He, SN; Shi, ZB; Di, CL; Liu, CQ	Nitrate sources and formation of rainwater constrained by dual isotopes in Southeast Asia: Example from Singapore	CHEMOSPHERE
Song, W; Liu, XY; Wang, YL; Tong, YD; Bai, ZP; Liu, CQ	Nitrogen isotope differences between atmospheric nitrate and corresponding nitrogen oxides: A new constraint using oxygen isotopes	SCIENCE OF THE TOTAL ENVIRONMENT

Liu, XY; Yin, YM; Song, W	Nitrogen Isotope Differences between Major Atmospheric NO _y Species: Implications for Transformation and Deposition Processes	ENVIRONMENTAL SCIENCE & TECHNOLOGY LETTERS
Xu, ZJ; Hamilton, SK; Rodrigues, S; Baubllys, KA; Esterle, JS; Liu, QF; Golding, SD	Palaeoenvironment and palaeoclimate during the late Carboniferous-early Permian in northern China from carbon and nitrogen isotopes of coals	PALAEOGEOGRAPHY PALAEOCLIMATOLOGY PALAEOECOLOGY
Li, YS; Xu, LJ; Yu, SY; Zhang, JX; Guo, J; Peng, YB; Zhou, GS	Partial melting of thickened lower crust in post-collisional setting: Evidence from high silicon adakitic granites in the North Qilian orogen	GEOLOGICAL JOURNAL
Li, YS; Zhang, JX; Li, YG; Mostofa, KMG; Yu, SY; Guo, J; Dong, J; Peng, YB; Jin, MQ; Zhou, GS	Petrogenesis of mafic granulite in South Altyn Tagh, NW China: Constraints from petrology, zircon U-Pb chronology, and geochemistry	GEOLOGICAL JOURNAL
Li, YS; Zhang, JX; Yu, SY; Li, YG; Guo, H; Zhang, J; Fu, CL; Cao, H; Jin, MQ; Cai, ZH	Petrological, geochronological, and geochemical potential accounting for continental subduction and exhumation: A case study of felsic granulites from South Altyn Tagh, northwestern China	GEOLOGICAL SOCIETY OF AMERICA BULLETIN
Yang, XM; Song, ZL; Qin, ZL; Wu, LL; Yin, LC; Van Zwieten, L; Song, A; Ran, XB; Yu, CX; Wang, HL	Phytolith-rich straw application and groundwater table management over 36 years affect the soil-plant silicon cycle of a paddy field	PLANT AND SOIL
Wu, D; Wang, XW; Xu, SQ; Chen, CJ; Mao, R; Liu, XY	Plant phenols contents and their changes with nitrogen availability in peatlands of northeastern China	JOURNAL OF PLANT ECOLOGY
Yang, XM; Song, ZL; Yu, CX; Ding, F	Quantification of different silicon fractions in broadleaf and conifer forests of northern China and consequent implications for biogeochemical Si cycling	GEODERMA
Zhu, JL; Penner, JE	Radiative forcing of anthropogenic aerosols on cirrus clouds using a hybrid ice nucleation scheme	ATMOSPHERIC CHEMISTRY AND PHYSICS
Yue, FJ; Li, SL; Waldron, S; Wang, ZJ; Oliver, DM; Chen, X; Liu, CQ	Rainfall and conduit drainage combine to accelerate nitrate loss from a karst agroecosystem: Insights from stable isotope tracing and high-frequency nitrate sensing	WATER RESEARCH
Han, XK; Guo, QJ; Lang, YC; Li, SL; Li, Y; Guo, ZB; Hu, J; Wei, RF; Tian, LY; Wan, YX	Seasonal and long-term trends of sulfate, nitrate, and ammonium in PM _{2.5} in Beijing: implication for air pollution control	ENVIRONMENTAL SCIENCE AND POLLUTION RESEARCH

Xia, SP; Song, ZL; Van Zwieten, L; Guo, LD; Yu, CX; Hartley, IP; Wang, HL	Silicon accumulation controls carbon cycle in wetlands through modifying nutrients stoichiometry and lignin synthesis of <i>Phragmites australis</i>	ENVIRONMENTAL AND EXPERIMENTAL BOTANY
Hao, Q; Yang, SL; Song, ZL; Li, ZC; Ding, F; Yu, CX; Hu, GZ; Liu, HY	Silicon Affects Plant Stoichiometry and Accumulation of C, N, and P in Grasslands	FRONTIERS IN PLANT SCIENCE
Zhong, J; Li, SL; Ibarra, DE; Ding, H; Liu, CQ	Solute Production and Transport Processes in Chinese Monsoonal Rivers: Implications for Global Climate Change	GLOBAL BIOGEOCHEMICAL CYCLES
Deng, JJ; Guo, H; Zhang, HL; Zhu, JL; Wang, X; Fu, PQ	Source apportionment of black carbon aerosols from light absorption observation and source-oriented modeling: an implication in a coastal city in China	ATMOSPHERIC CHEMISTRY AND PHYSICS
Ren, LJ; Wang, YY; Kawamura, K; Bikkina, S; Haghypour, N; Wacker, L; Pavuluri, CM; Zhang, ZM; Yue, SY; Sun, YL; Wang, ZF; Zhang, YL; Feng, XJ; Liu, CQ; Eglinton, TI; Fu, PQ	Source forensics of n-alkanes and n-fatty acids in urban aerosols using compound specific radiocarbon/stable carbon isotopic composition	ENVIRONMENTAL RESEARCH LETTERS
Xu, S; Li, SL; Zhong, J; Li, C	Spatial scale effects of the variable relationships between landscape pattern and water quality: Example from an agricultural karst river basin, Southwestern China	AGRICULTURE ECOSYSTEMS & ENVIRONMENT
Zhang, XD; Song, ZL; Hao, Q; Yu, CX; Liu, HY; Chen, CM; Muller, K; Wang, HL	Storage of soil phytoliths and phytolith-occluded carbon along a precipitation gradient in grasslands of northern China	GEODERMA
Cheng, BR; Yue, SY; Hu, W; Ren, LJ; Deng, JJ; Wu, LB; Fu, PQ	Summertime fluorescent bioaerosol particles in the coastal megacity Tianjin, North China	SCIENCE OF THE TOTAL ENVIRONMENT
Yan, ZL; Han, XK; Lang, YC; Guo, QJ; Li, SL	The abatement of acid rain in Guizhou province, southwestern China: Implication from sulfur and oxygen isotopes	ENVIRONMENTAL POLLUTION
Qu, QY; Liu, GJ; Henry, M; Point, D; Chmeleff, J; Sun, RY; Sonke, JE; Chen, JB	Tin stable isotopes in magmatic-affected coal deposits: Insights in the geochemical behavior of tin	APPLIED GEOCHEMISTRY
Yu, GH; Chen, CM; He, XH; Zhang, XZ; Li, LN	Unexpected bulk density and microstructures response to long-term pig manure application in a Ferralic Cambisol Soil: Implications for rebuilding a healthy soil	SOIL & TILLAGE RESEARCH

Zhong, J; Chen, S; Wang, WF; Yan, ZL; Ellam, RM; Li, SL	Unravelling the hydrological effects on spatiotemporal variability of water chemistry in mountainous rivers from Southwest China	HYDROLOGICAL PROCESSES
Zhang, DB; Sun, SB; Song, ZL; Measho, S	Vegetation dynamics and their drivers in the Haihe river basin, Northern China, 1982-2012	GEOCARTO INTERNATIONAL
Zhang, J; Xu, H; Lan, JH; Ai, L; Sheng, EG; Yan, DN; Zhou, KE; Yu, KK; Song, YP; Zhang, S; Torfstein, A	Weakening Dust Storm Intensity in Arid Central Asia Due to Global Warming Over the Past 160 Years	FRONTIERS IN EARTH SCIENCE