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作者	题目	期刊	卷/期	DOI
Yin, Kun; Belonoshko, Anatoly B.; Li, Yonghui; Lu, Xiancai	Davemaoite as the mantle mineral with the highest melting temperature	SCIENCE ADVANCES	9 (49)	https://doi.org/ 10.1126/sciadv. adj2660
Han, Cong; Zhu, Xiaobin; Xiong, Guiyao; Gao, Jingxun; Wu, Jianfeng; Wang, Dong; Wu, Jichun	Quantitative study of in situ chemical oxidation remediation with coupled thermal desorption	WATER RESEARCH	239	https://doi.org/ 10.1016/j.watres. 2023.120035
Zhang, Bolin; Cao, Jian; Mu, Lan; Yao, Suping; Hu, Wenxuan; Huang, Hu; Lang, Xianguo; Liao, Zhiwei	The Permian Chert Event in South China: New geochemical constraints and global implications	EARTH-SCIENCE REVIEWS	244	https://doi.org/ 10.1016/j.earsc irev.2023.10451 3
Wang, Chuan; Brennwald, Matthias S.; Xie, Yueqing; Mccallum, James L.; Kipfer, Rolf; Dai, Xin; Wu, Jichun	Quantifying Carbon Cycling across the Groundwater-Stream-Atmosphere Continuum Using High-Resolution Time Series of Multiple Dissolved Gases	ENVIRONMENTAL SCIENCE & TECHNOLOGY	57 (36) : 13487- 13496	https://doi.org/ 10.1021/acs.est .3c03378
Xiong, Guiyao; Zhu, Xiaobin; Wu, Jichun; Liu, Mengwen; Yang, Yun; Zeng, Xiankui	Seawater intrusion alters nitrogen cycling patterns through hydrodynamic behavior and biochemical reactions: Based on Bayesian isotope mixing model and microbial functional network	SCIENCE OF THE TOTAL ENVIRONMENT	867	https://doi.org/ 10.1016/j.scito tenv.2022.16136 8
Wang, Zhao; Wen, Yubo; Gou, Wenxian; Ji, Junfeng; Li, Wei	Zn isotope signatures in soil Fe\Mn nodules with karst high geochemical background	SCIENCE OF THE TOTAL ENVIRONMENT	882	https://doi.org/ 10.1016/j.scito tenv.2023.16336 5
Wang, Jingzhao; Ren, Chao; Li, Zhen; Li, Wei	Two-dimensional solid-state NMR spectroscopy investigations of surface precipitation of phosphate onto calcite	SCIENCE OF THE TOTAL ENVIRONMENT	890	https://doi.org/ 10.1016/j.scito tenv.2023.16444 4
Wang, Ziwei; Ruan, Xiaohong; Li, Rongfu; Zhang, Yaping	Microbial interaction patterns and nitrogen cycling regularities in lake sediments under different trophic conditions	SCIENCE OF THE TOTAL ENVIRONMENT	907	https://doi.org/ 10.1016/j.scito tenv.2023.16792 6
Zheng, Xu; Nel, Werner; Peng, Jingcheng; Wu, Weihua	Hydrochemistry, chemical weathering and their significance on carbon cycle in the Heilong (Amur) River Basin, Northeast China	CHEMOSPHERE	327	https://doi.org/ 10.1016/j.chemo sphere.2023.138 542

Xiong, Guiyao; Zhu, Xiaobin; Zhang, Housheng; Jiang, Jianguo; Yang, Yun; Wu, Jianfeng; Wu, Jichun	Barometric pressure variation alters electrical resistivity during water infiltration in the vadose zone	JOURNAL OF HYDROLOGY	622	https://doi.org/ 10.1016/j.jhyd ol.2023.129706
Xiong, Guiyao; Zhu, Xiaobin; Liu, Mengwen; Yang, Yun; Chen, Guangquan; Fu, Tengfei; Ding, Runtian; Xu, Xingyong; Wu, Jichun	Nitrogen cycle pattern variations during seawater-groundwater-river interactions enhance the nitrogen availability in the coastal earth critical zone	JOURNAL OF HYDROLOGY	624	https://doi.org/ 10.1016/j.jhyd ol.2023.129932
Pan, Yue; Zeng, Xiankui; Xu, Hongxia; Sun, Yuanyuan; Wang, Dong; Wu, Jichun	Use of stacked Gaussian processes regression method to improve prediction of groundwater solute transport model	JOURNAL OF HYDROLOGY	620	https://doi.org/ 10.1016/j.jhyd ol.2023.129530
Chen, Shuai; Ruan, Xiaohong	A hybrid Budyko-type regression framework for estimating baseflow from climate and catchment attributes	JOURNAL OF HYDROLOGY	618	https://doi.org/ 10.1016/j.jhyd ol.2023.129118
Xu, Pengcheng; Zhang, Zhilang; Wang, Dong; Singh, Vijay P. ; Zhang, Changsheng; Fu, Xiaolei; Wang, Leizhi	A time-varying Copula-based approach to quantify the effects of antecedent drought on hot extremes	JOURNAL OF HYDROLOGY	627	https://doi.org/ 10.1016/j.jhyd ol.2024.130609
Wang, Haoxian; Chen, Yang; Ji, Junfeng; Li, Xuming; Hedding, David William; Chen, Jun	Chemical weathering intensity controls the accumulation of nickel in rice (<i>Oryza sativa</i> L.) cultivated in basalt-derived paddy fields	GEODERMA	434	https://doi.org/ 10.1016/j.geode rma.2023.116494
Li, Huifeng; Chen, Shuai; Ruan, Xiaohong	Differences in nonpoint source pollution load losses based on hydrological zone characteristics: a case study of the Shaying River Basin, China	ENVIRONMENTAL SCIENCE AND POLLUTION RESEARCH	30(54):115 950-115964	https://doi.org/ 10.1007/s11356- 023-30360-8
Bao, Rui; Sheng, Xuefen; Meng, Xianqiang; Li, Tao; Li, Chenglong; Shen, Hua; Da, Jiawei; Ji, Junfeng; Chen, Jun	100 k.y. pacing of the East Asian summer monsoon over the past five glacial cycles inferred from land snails	GEOLOGY	51(2):179- 183	https://doi.org/ 10.1130/G50243. 1

Zhang, Jingkun; Cao, Jian; Hu, Wenxuan; Xiang, Baoli; Zhou, Ni; Ma, Wanyun	Molecular evolution of nitrogen- containing compounds in highly mature organic matter: Implications for the hydrocarbon generation potential	SCIENCE CHINA- EARTH SCIENCES	66(4):781- 796	https://doi.org/ 10.1007/s11430- 022-1029-5
Li, Shilei; Li, Gen K. K.; Li, Weiqiang; Chen, Yang; Raymo, Maureen E. E.; Chen, Jun	Effects of Secondary Carbonate Precipitation and Dissolution on Changjiang (Yangtze) River Chemistry and Estimates of Silicate Weathering Rates	GLOBAL BIOGEOCHEMICAL CYCLES	37(5)	https://doi.org/ 10.1029/2022GB0 07581
Zhou, Bin; Wang, Zhe; Xu, Xiangchun; Pang, Yang; Bird, Michael I.; Wang, Bin; Meadows, Michael E.; Taylor, David	Hominin Response to Oscillations in Climate and Local Environments During the Mid-Pleistocene Climate Transition in Northern China	GEOPHYSICAL RESEARCH LETTERS	50(21)	https://doi.org/ 10.1029/2023GL1 04931
(Meng, Xianqiang; Li, Gen K. K.; Long, Xiaoyong; Li, Shilei; Ji, Junfeng	Quantifying Soil Goethite/Hematite Ratios: A New Method Based on Diffuse Reflectance Spectra	GEOPHYSICAL RESEARCH LETTERS	50(8)	https://doi.org/ 10.1029/2022GL1 02280
Li, Tao; Li, Gaojun; Chen, Tianyu; Sun, Youbin; Yin, Qiuzhen; Wu, Zhipeng; Robinson, Laura F.; Li, Le; Zhang, Zeke; Meng, Xianqiang; Zhao, Liang; Ji, Junfeng; Chen, Jun	Ice Volume and Insolation Forcing of Abrupt Strengthening of East Asian Winter Monsoon During Glacial Inceptions	GEOPHYSICAL RESEARCH LETTERS	50(3)	https://doi.org/ 10.1029/2022GL1 02404
Mo, Xinxin; Takahashi, Yoshio; Siebecker, Matthew G.; (Gou, Wenxian; Wang, Zhao; Lu, Xiancai; Li, Wei	In situ/operando XAFS investigation of the sorption/precipitation of Zn(II) on palygorskite surface at the molecular scale: Implications for Zn stable isotope fractionation	GEOCHIMICA ET COSMOCHIMICA ACTA	349:64-80	https://doi.org/ 10.1016/j.gca.2 023.03.029
Wang, Zhao; Peacock, Caroline; Kwon, Kideok D.; Gu, Xueyuan; Feng, Xionghan; Li, Wei	Site-specific isotope fractionation during Zn adsorption onto birnessite: Insights from X-ray absorption spectroscopy, density functional theory and surface complexation modeling	GEOCHIMICA ET COSMOCHIMICA ACTA	348:68-84	https://doi.org/ 10.1016/j.gca.2 023.03.006
Liu, Huan; Lu, Xiancai; Flynn, Elaine D.; Catalano, Jeffrey G.	Fate of arsenic during the interactions between Mn- substituted goethite and dissolved Fe(II)	GEOCHIMICA ET COSMOCHIMICA ACTA	356:1-13	https://doi.org/ 10.1016/j.gca.2 023.06.028

Meng, Yinquan; Jiang, Jianguo Wu, Jichun; Wang, Dong	Transformer-based deep learning models for predicting permeability of porous media	ADVANCES IN WATER RESOURCES	179	https://doi.org/10.1016/j.advwatres.2023.104520
Feng, Li; Mo, Shaoxing; Sun, Alexander Y.; Wu, Jichun; Shi, Xiaoqing	Uncertainty quantification of CO ₂ plume migration in highly channelized aquifers using probabilistic convolutional neural networks	ADVANCES IN WATER RESOURCES	183	https://doi.org/10.1016/j.advwatres.2023.104607
Yu, Xiaohan; Zeng, Xiankui; Gui, Dongwei; Li, Xiaolan; Gou, Qiqi; Wang, Dong; Wu, Jichun	Projection of Flash Droughts in the Headstream Area of Tarim River Basin Under Climate Change Through Bayesian Uncertainty Analysis	JOURNAL OF GEOPHYSICAL RESEARCH-ATMOSPHERES	128 (6)	https://doi.org/10.1029/2022JD037634
Ju, Xiaopei; Wang, Dong; Wang, Yuankun; Singh, Vijay P.; Xu, Pengcheng; Zhang, Along; Wu, Jichun; Ma, Tao; Liu, Jiufu; Zhang, Jianyun	An entropy and copula-based framework for streamflow prediction and spatio-temporal identification of drought	STOCHASTIC ENVIRONMENTAL RESEARCH AND RISK ASSESSMENT	37 (6) :2187-2204	https://doi.org/10.1007/s00477-023-02388-2
Da, Jiawei; Li, Gen K.; Ji, Junfeng	Seasonal changes in the formation time of pedogenic carbonates on the Chinese Loess Plateau during Quaternary glacial cycles	QUATERNARY SCIENCE REVIEWS	305	https://doi.org/10.1016/j.quascirev.2023.108008
Cao, Cheng; Liu, Xiao-Ming; Wang, Xi-Kai); Chen, Jun	Effective use of limestones to reconstruct seawater Li isotope compositions - A community standard proposal	CHEMICAL GEOLOGY	626	https://doi.org/10.1016/j.chemgeo.2023.121441
Bao, Rui; Sheng, Xuefen; Li, Chenglong; Cui, Can; Yan, Hao; Ji, Junfeng; Chen, Jun	Calibration of the carbonate clumped isotope thermometer of land snail shells	CHEMICAL GEOLOGY	641	https://doi.org/10.1016/j.chemgeo.2023.121773
heng, Zhou; Lu, Guoping; Wu, Ming; Hao, Yanru; Mo, Cehui; Li, Qusheng; Wu, Jianfeng; Wu, Jichun; Hu, Bill X.	The Effects of Spill Pressure on the Migration and Remediation of Dense Non-Aqueous Phase Liquids in Homogeneous and Heterogeneous Aquifers	SUSTAINABILITY	15 (17)	https://doi.org/10.3390/su151713072
Qi, Zizhen; Gao, Lei; Chen, Daixing; Wang, Xuhao; Liu, Huan; Yang, Yang; Zhao, Yulian; Lu, Xiancai	Vertical distribution of Fe, P and correlation with organic carbon in coastal sediments of Yellow Sea, Eastern China	FRONTIERS IN MARINE SCIENCE	10	https://doi.org/10.3389/fmars.2023.1143982

Kang, Xueyuan; Power, Christopher; Kokkinaki, Amalia; Revil, Andre; Wu, Jichun; Shi, Xiaoqing; Deng, Yaping	Characterization of DNAPL source zones in clay-sand media via joint inversion of DC resistivity, induced polarization and borehole data	JOURNAL OF CONTAMINANT HYDROLOGY	258	https://doi.org/10.1016/j.jconhyd.2023.104240
Da, Jiawei; Breecker, Daniel O.; Li, Tao; Li, Gaojun; Lu, Huayu; Ji, Junfeng	A Humid East Asia During the Early Pliocene Indicated by Calcite Nodules From the Chinese Loess Plateau	PALEOCEANOGRAPHY AND PALEOCLIMATOLOGY	38 (7)	https://doi.org/10.1029/2023PA004615
Li, Le; Li, Gen K.; Li, Tao; Yi, Shuangwen; Lu, Huayu; Hedding, David William; Chen, Jun; Li, Gaojun	Tracking the Provenance of Aeolian Loess in Northeastern China by Uranium Isotopes	GEOCHEMISTRY GEOPHYSICS GEOSYSTEMS	24 (4)	https://doi.org/10.1029/2022GC010715
Cao, Cheng; Li, Tao; Chen, Tianyu; Li, Gaojun; Li, Wei; Chen, Jun	An efficient Li dual-column system and high-precision Li isotope measurement of high matrix and low-Li samples by MC-ICP-MS	JOURNAL OF ANALYTICAL ATOMIC SPECTROMETRY	33 (8) :1602-1610	https://doi.org/10.1016/j.apgeochem.2024.106149
Le, Fan; Li, Rongfu; Ruan, Xiaohong; Liu, Congqiang	Isotopic tracing of nitrogen source and interaction between surface water and groundwater of a small valley plain in the Zhangxi watershed	APPLIED GEOCHEMISTRY	151	https://doi.org/10.1016/j.apgeochem.2023.105615
Dong, Sijia; Xing, Tiange; ZZhao, Liang; Zhu, Chen; (Yao, Xizhi; Zhao, Shuhan; Teng, Hui H.	Physical and chemical effects of H2O on mineral carbonation reactions in supercritical CO2	APPLIED GEOCHEMISTRY	155	https://doi.org/10.1016/j.apgeochem.2023.105668
Cheng, Zhou; Mo, Cehui; Wu, Ming; Cao, Huihui; Hao, Yanru; Lu, Guoping; Li, Qusheng; Wu, Jianfeng; Wu, Jichun; Hu, Bill X.	Effects of Graphene on the Transport of Quinolones in Porous Media	WATER	15 (3)	https://doi.org/10.3390/w15030593
Yang, Yun; Zuo, Jinsong; Qiu, Wenjie; Wu, Jichun; Que, Weimin; Zhou, Genmao; Liu, Zhengbang; Wu, Jianfeng	Assessment of the Greenhouse Gas Footprint and Environmental Impact of CO2 and O2 in situ Uranium Leaching	ACTA GEOLOGICA SINICA-ENGLISH EDITION	97 (3) :986-994	https://doi.org/10.1111/1755-6724.15058

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Zhou, Jinhong; Lu, Xiancai; Zhang, Lihu; Li, Qin	Effects of crystal chemistry on adsorption, occurrence, and mobility of water in palygorskite tunnels	AMERICAN MINERALOGIST	108(11):20 65-2074	https://doi.org/ 10.2138/am- 2022-8762
Cui, Xiangjie; Liu, Huan; Lu, Xiancai; Li, Juan; Chen, Jiani; Chan, Ting-Shan; Liu, Xiandong; Wang, Rucheng	Nucleation of Th-rich cerianite on halloysite surface in a regolith-hosted rare earth elements deposit in South China	AMERICAN MINERALOGIST	108(4):769 -774	https://doi.org/ 10.2138/am- 2022-8391
Liu, Xin; Liu, Huan; Zong, Meirong; Chen, Meng; He, Hongping; Wang, Rucheng; Lu, Xiancai	Mn substitution and distribution in goethite and influences on its photocatalytic properties: A combined study using first- principles calculations and photocatalytic experiments	AMERICAN MINERALOGIST	108(5):968 -977	https://doi.org/ 10.2138/am- 2022-8182
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Shi, Xiaoqing; Kokkinaki, Amalia; Kang, Xueyuan; Hao, Shefeng; Gong, Xulong; Zhang, Yan; Wu, Jichun	Comparison of geostatistical and deep-learning inversion methods for DNAPL source zone architecture characterization	HYDROGEOLOGY JOURNAL	31(6):1679 -1693	https://doi.org/ 10.1007/s10040- 023-02606-9
Hu, Ziming; Tang, Shinan; Mo, Shaoxing; Shi, Xiaoqing; Yin, Xin; Sun, Yuanyuan; Liu, Xiaomin; Duan, Limin; Miao, Ping; Liu, Tingxi; Wu, Jichun	Water storage changes (2003-2020) in the Ordos Basin, China, explained by GRACE data and interpretable deep learning	HYDROGEOLOGY JOURNAL	32(1):307- 320	https://doi.org/ 10.1007/s10040- 023-02713-7

Li, Mingyue; Xie, Yueqing; Dong, Yanhui; Wang, Liheng; Zhang, Zaiyong	Review: Recent progress on groundwater recharge research in arid and semiarid areas of China	HYDROGEOLOGY JOURNAL	32(1):9-30	https://doi.org/10.1007/s10040-023-02656-z
Cheng, Yongxian; Lu, Xiancai; Li, Qin; Liu, Xiandong; Fan, Ming	Breakthrough Pressure Model of Shale Gas in Water-Saturated Nanopore-Throat Systems: Insights from Molecular Simulations	TRANSPORT IN POROUS MEDIA	150(3):735-752	https://doi.org/10.1007/s11242-023-02030-3
Cheng, Zhou; Lin, Xuanhao; Wu, Ming; Lu, Guoping; Hao, Yanru; Mo, Cehui; Li, Qusheng; Wu, Jianfeng; Wu, Jichun; Hu, Bill X.	Combined Effects of Polyamide Microplastics and Hydrochemical Factors on the Transport of Bisphenol A in Groundwater	SEPARATIONS	10(2)	https://doi.org/10.3390/separations10020123
Ju, Xiaopei; Wang, Dong; Wang, Yuankun; Singh, Vijay P.; Zhang, Along; Xu, Pengcheng; Wu, Jichun; Ma, Tao; Liu, Jiufu; Zhang, Jianyun	Climate-Induced Annual and Interannual Processual Shifts in Ecohydrological Regimes and Their Evaluations in Jinsha River Basin, China	JOURNAL OF HYDROLOGIC ENGINEERING	28(11)	https://doi.org/10.1061/JHYEFF.HEENG-5906
Zhang, Menglong; Zhao, Liang; Li, Gen K.; Zhu, Chen; Xu, Dan; Ji, Junfeng; Chen, Jun	Assessment and Selection of Cyanobacterial Strains for CO ₂ Mineral Sequestration: Implications for Carbonation Mechanism	GEOMICROBIOLOGY JOURNAL	40(5):446-461	https://doi.org/10.1080/01490451.2023.2192216
Li, Tao; Liu, Yijie; Yang, Ruiyu; Chen, Tianyu; Li, Gaojun	The rare earth elements of sequentially leached phases in the loess-paleosol sequence at Weinan on the southeastern Chinese Loess Plateau	QUATERNARY INTERNATIONAL	669:43-52	https://doi.org/10.1016/j.quaint.2023.05.001