

Changxun Yu

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Carbon-nitrogen isotope coupling of soil organic matter in a karst region under land use change, Southwest China. <i>Agriculture, Ecosystems and Environment</i> , 2020, 301, 107027.	5.3	108
2	Distribution, sources, and decomposition of soil organic matter along a salinity gradient in estuarine wetlands characterized by C:N ratio, $\delta^{13}\text{C}$, and lignin biomarker. <i>Global Change Biology</i> , 2021, 27, 417-434.	9.5	63
3	Effect of weathering on abundance and release of potentially toxic elements in soils developed on Lower Cambrian black shales, P. R. China. <i>Environmental Geochemistry and Health</i> , 2012, 34, 375-390.	3.4	48
4	Biogeochemical cycling of iron (hydr-)oxides and its impact on organic carbon turnover in coastal wetlands: A global synthesis and perspective. <i>Earth-Science Reviews</i> , 2021, 218, 103658.	9.1	47
5	Cerium sequestration and accumulation in fractured crystalline bedrock: The role of Mn-Fe (hydr-)oxides and clay minerals. <i>Geochimica Et Cosmochimica Acta</i> , 2017, 199, 370-389.	3.9	43
6	Retention and transport of arsenic, uranium and nickel in a black shale setting revealed by a long-term humidity cell test and sequential chemical extractions. <i>Chemical Geology</i> , 2014, 363, 134-144.	3.3	35
7	Geochemistry of major and trace elements and Pb-Sr isotopes of a weathering profile developed on the Lower Cambrian black shales in central Hunan, China. <i>Applied Geochemistry</i> , 2014, 51, 191-203.	3.0	34
8	Phytolith-rich straw application and groundwater table management over 36 years affect the soil-plant silicon cycle of a paddy field. <i>Plant and Soil</i> , 2020, 454, 343-358.	3.7	34
9	Geochemistry of trace metals and Pb isotopes of sediments from the lowermost Xiangjiang River, Hunan Province (P. R. China): implications on sources of trace metals. <i>Environmental Earth Sciences</i> , 2011, 64, 1455-1473.	2.7	32
10	Distribution and speciation of metals, phosphorus, sulfate and organic material in brackish estuary water affected by acid sulfate soils. <i>Applied Geochemistry</i> , 2016, 66, 264-274.	3.0	31
11	Heavy metal geochemistry of the acid mine drainage discharged from the Hejiacun uranium mine in central Hunan, China. <i>Environmental Geology</i> , 2009, 57, 421-434.	1.2	29
12	Impact of grassland degradation on the distribution and bioavailability of soil silicon: Implications for the Si cycle in grasslands. <i>Science of the Total Environment</i> , 2019, 657, 811-818.	8.0	29
13	Storage, patterns and influencing factors for soil organic carbon in coastal wetlands of China. <i>Global Change Biology</i> , 2022, 28, 6065-6085.	9.5	29
14	Geochemistry of soils derived from black shales in the Ganziping mine area, western Hunan, China. <i>Environmental Earth Sciences</i> , 2013, 70, 175-190.	2.7	27
15	Iron behavior in a northern estuary: Large pools of non-sulfidized Fe(II) associated with organic matter. <i>Chemical Geology</i> , 2015, 413, 73-85.	3.3	26
16	Sources, transport and sinks of beryllium in a coastal landscape affected by acidic soils. <i>Geochimica Et Cosmochimica Acta</i> , 2018, 232, 288-302.	3.9	26
17	Mineralogical and geochemical constraints on environmental impacts from waste rock at Taojiang Mn-ore deposit, central Hunan, China. <i>Environmental Geology</i> , 2007, 52, 1277-1296.	1.2	23
18	High potential of stable carbon sequestration in phytoliths of China's grasslands. <i>Global Change Biology</i> , 2022, 28, 2736-2750.	9.5	23

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19	Silicon accumulation controls carbon cycle in wetlands through modifying nutrients stoichiometry and lignin synthesis of <i>Phragmites australis</i> . <i>Environmental and Experimental Botany</i> , 2020, 175, 104058.	4.2	19
20	Quantification of different silicon fractions in broadleaf and conifer forests of northern China and consequent implications for biogeochemical Si cycling. <i>Geoderma</i> , 2020, 361, 114036.	5.1	18
21	Storage of soil phytoliths and phytolith-occluded carbon along a precipitation gradient in grasslands of northern China. <i>Geoderma</i> , 2020, 364, 114200.	5.1	16
22	Spatial distribution of plant-available silicon and its controlling factors in paddy fields of China. <i>Geoderma</i> , 2021, 401, 115215.	5.1	16
23	Silicon Affects Plant Stoichiometry and Accumulation of C, N, and P in Grasslands. <i>Frontiers in Plant Science</i> , 2020, 11, 1304.	3.6	16
24	Arsenic in the water and agricultural crop production system: Bangladesh perspectives. <i>Environmental Science and Pollution Research</i> , 2022, 29, 51354-51366.	5.3	16
25	Silicon Effects on Biomass Carbon and Phytolith-Occluded Carbon in Grasslands Under High-Salinity Conditions. <i>Frontiers in Plant Science</i> , 2020, 11, 657.	3.6	15
26	Vertical distributions of organic carbon fractions under paddy and forest soils derived from black shales: Implications for potential of long-term carbon storage. <i>Catena</i> , 2021, 198, 105056.	5.0	15
27	A cryogenic XPS study of Ce fixation on nanosized manganite and vernadite: Interfacial reactions and effects of fulvic acid complexation. <i>Chemical Geology</i> , 2018, 483, 304-311.	3.3	14
28	Arsenic removal from contaminated brackish sea water by sorption onto Al hydroxides and Fe phases mobilized by land-use. <i>Science of the Total Environment</i> , 2016, 542, 923-934.	8.0	13
29	Manganese accumulation and solid-phase speciation in a 3.5 m thick mud sequence from the estuary of an acidic and Mn-rich creek, northern Baltic Sea. <i>Chemical Geology</i> , 2016, 437, 56-66.	3.3	12
30	Fluorine geochemistry of quaternary deposits in a nemo-boreal catchment with elevated dissolved fluoride in surface waters and groundwater. <i>Journal of Geochemical Exploration</i> , 2016, 170, 148-156.	3.2	10
31	A Combined X-ray Absorption and Mössbauer Spectroscopy Study on Fe Valence and Secondary Mineralogy in Granitoid Fracture Networks: Implications for Geological Disposal of Spent Nuclear Fuels. <i>Environmental Science & Technology</i> , 2020, 54, 2832-2842.	10.0	10
32	Comparison of boreal acid sulfate soil microbial communities in oxidative and reductive environments. <i>Research in Microbiology</i> , 2019, 170, 288-295.	2.1	8
33	Holocene carbon accumulation in lakes of the current east Asian monsoonal margin: Implications under a changing climate. <i>Science of the Total Environment</i> , 2020, 737, 139723.	8.0	7
34	Geochemical controls on dispersion of U and Th in Quaternary deposits, stream water, and aquatic plants in an area with a granite pluton. <i>Science of the Total Environment</i> , 2019, 663, 16-28.	8.0	6
35	A review of carbon isotopes of phytoliths: implications for phytolith-occluded carbon sources. <i>Journal of Soils and Sediments</i> , 2020, 20, 1811-1823.	3.0	6
36	Vegetation Determines Lake Sediment Carbon Accumulation during Holocene in the Forest-Steppe Ecotone in Northern China. <i>Forests</i> , 2021, 12, 696.	2.1	6

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37	Microbe-Mediated Mn Oxidation—A Proposed Model of Mineral Formation. <i>Minerals (Basel)</i> , 2021, 11(10), 1070-1072. TJ ETQq1 1 0.784314 rgBT /Overlock 10	2.9	6
38	A re-assessment of metal pollution in the Dexing mining area in Jiangxi province, China: current status, hydro-geochemical controls, and effectiveness of remediation practices. <i>International Journal of Environmental Science and Technology</i> , 2022, 19, 10707-10722.	3.5	6
39	Extensive dispersion of metals from hemiboreal acid sulfate soil into adjacent drain and wetland. <i>Applied Geochemistry</i> , 2022, 136, 105170.	3.0	4
40	Removal and potential recovery of dissolved metals from acid sulfate soil drainage by spent coffee-grounds and dissolved organic carbon. <i>Environmental Advances</i> , 2022, 8, 100193.	4.8	4
41	The response of metal mobilization and redistribution to reoxygenation in Baltic Sea anoxic sediments. <i>Science of the Total Environment</i> , 2022, 837, 155809.	8.0	4
42	Micro-scale isotopic variability of low-temperature pyrite in fractured crystalline bedrock — A large Fe isotope fractionation between Fe(II)aq/pyrite and absence of Fe-S isotope co-variation. <i>Chemical Geology</i> , 2019, 522, 192-207.	3.3	3
43	Soil silicon fractions along karst hillslopes of southwestern China. <i>Journal of Soils and Sediments</i> , 2010, 10(1), 1.	3.0	1