

Kyungsoo Yoo

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/4634899/publications.pdf>

Version: 2024-02-01

51
papers

3,693
citations

279487

23
h-index

205818

48
g-index

56
all docs

56
docs citations

56
times ranked

5506
citing authors

#	ARTICLE	IF	CITATIONS
1	Riverine coupling of biogeochemical cycles between land, oceans, and atmosphere. <i>Frontiers in Ecology and the Environment</i> , 2011, 9, 53-60.	1.9	927
2	Global patterns of the isotopic composition of soil and plant nitrogen. <i>Global Biogeochemical Cycles</i> , 2003, 17, .	1.9	866
3	Spatial patterns of soil organic carbon on hillslopes: Integrating geomorphic processes and the biological C cycle. <i>Geoderma</i> , 2006, 130, 47-65.	2.3	199
4	Twelve testable hypotheses on the geobiology of weathering. <i>Geobiology</i> , 2011, 9, 140-165.	1.1	133
5	Using hilltop curvature to derive the spatial distribution of erosion rates. <i>Journal of Geophysical Research</i> , 2012, 117, .	3.3	131
6	Process-based model linking pocket gopher (<i>Thomomys bottae</i>) activity to sediment transport and soil thickness. <i>Geology</i> , 2005, 33, 917.	2.0	112
7	Integration of geochemical mass balance with sediment transport to calculate rates of soil chemical weathering and transport on hillslopes. <i>Journal of Geophysical Research</i> , 2007, 112, .	3.3	112
8	Impact of change in erosion rate and landscape steepness on hillslope and fluvial sediments grain size in the Feather River basin (Sierra Nevada, California). <i>Earth Surface Dynamics</i> , 2015, 3, 201-222.	1.0	110
9	Erosion of upland hillslope soil organic carbon: Coupling field measurements with a sediment transport model. <i>Global Biogeochemical Cycles</i> , 2005, 19, .	1.9	103
10	Hillslope soils and vegetation. <i>Geomorphology</i> , 2015, 234, 122-132.	1.1	94
11	Discrepancy between mineral residence time and soil age: Implications for the interpretation of chemical weathering rates. <i>Geology</i> , 2008, 36, 35.	2.0	76
12	Toward process-based modeling of geochemical soil formation across diverse landforms: A new mathematical framework. <i>Geoderma</i> , 2008, 146, 248-260.	2.3	70
13	Invasive Earthworms Deplete Key Soil Inorganic Nutrients (Ca, Mg, K, and P) in a Northern Hardwood Forest. <i>Ecosystems</i> , 2015, 18, 89-102.	1.6	64
14	Influence of lithology on hillslope morphology and response to tectonic forcing in the northern Sierra Nevada of California. <i>Journal of Geophysical Research F: Earth Surface</i> , 2013, 118, 832-851.	1.0	63
15	Side-swiped: ecological cascades emanating from earthworm invasions. <i>Frontiers in Ecology and the Environment</i> , 2019, 17, 502-510.	1.9	60
16	Weathering the escarpment: chemical and physical rates and processes, southeastern Australia. <i>Earth Surface Processes and Landforms</i> , 2009, 34, 768-785.	1.2	56
17	An explorative study of mercury export from a thawing palsa mire. <i>Journal of Geophysical Research</i> , 2008, 113, .	3.3	50
18	Spatial patterns and controls of soil chemical weathering rates along a transient hillslope. <i>Earth and Planetary Science Letters</i> , 2009, 288, 184-193.	1.8	47

#	ARTICLE	IF	CITATIONS
19	Reservoir theory for studying the geochemical evolution of soils. <i>Journal of Geophysical Research</i> , 2010, 115, .	3.3	44
20	Rates of soil mixing and associated carbon fluxes in a forest versus tilled agricultural field: Implications for modeling the soil carbon cycle. <i>Journal of Geophysical Research</i> , 2011, 116, .	3.3	29
21	Evolution of hillslope soils: The geomorphic theater and the geochemical play. <i>Applied Geochemistry</i> , 2011, 26, S149-S153.	1.4	29
22	Soil organic carbon and mineral interactions on climatically different hillslopes. <i>Geoderma</i> , 2018, 322, 71-80.	2.3	26
23	Does soil erosion rejuvenate the soil phosphorus inventory?. <i>Geoderma</i> , 2018, 332, 45-59.	2.3	25
24	Impact of Exotic Earthworms on Organic Carbon Sorption on Mineral Surfaces and Soil Carbon Inventories in a Northern Hardwood Forest. <i>Ecosystems</i> , 2015, 18, 16-29.	1.6	24
25	Human-mediated introduction of geoengineering earthworms in the Fennoscandian arctic. <i>Biological Invasions</i> , 2018, 20, 1377-1386.	1.2	24
26	Soil carbon accumulation in the dry tundra: Important role played by precipitation. <i>Journal of Geophysical Research</i> , 2009, 114, .	3.3	23
27	Elemental and mineralogical changes in soils due to bioturbation along an earthworm invasion chronosequence in Northern Minnesota. <i>Applied Geochemistry</i> , 2011, 26, S127-S131.	1.4	19
28	Long-term agricultural management and erosion change soil organic matter chemistry and association with minerals. <i>Science of the Total Environment</i> , 2019, 648, 1500-1510.	3.9	16
29	Meteoric Beryllium-10 as a Tracer of Erosion Due to Postsettlement Land Use in West-Central Minnesota, USA. <i>Journal of Geophysical Research F: Earth Surface</i> , 2019, 124, 874-901.	1.0	15
30	Local topography and erosion rate control regolith thickness along a ridgeline in the Sierra Nevada, California. <i>Earth Surface Processes and Landforms</i> , 2015, 40, 1779-1790.	1.2	14
31	The geochemical transformation of soils by agriculture and its dependence on soil erosion: An application of the geochemical mass balance approach. <i>Science of the Total Environment</i> , 2015, 521-522, 326-335.	3.9	12
32	Climate controls on coupled processes of chemical weathering, bioturbation, and sediment transport across hillslopes. <i>Earth Surface Processes and Landforms</i> , 2018, 43, 1575-1590.	1.2	12
33	Storage and export of soil carbon and mineral surface area along an erosional gradient in the Sierra Nevada, California. <i>Geoderma</i> , 2018, 321, 151-163.	2.3	11
34	Invasive earthworms alter forest soil microbiomes and nitrogen cycling. <i>Soil Biology and Biochemistry</i> , 2022, 171, 108724.	4.2	11
35	Quantifying weathering on variable rocks, an extension of geochemical mass balance: Critical zone and landscape evolution. <i>Earth Surface Processes and Landforms</i> , 2017, 42, 2457-2468.	1.2	10
36	Mineral vs. organic matter supply as a limiting factor for the formation of mineral-associated organic matter in forest and agricultural soils. <i>Science of the Total Environment</i> , 2019, 692, 344-353.	3.9	10

#	ARTICLE	IF	CITATIONS
37	Carbon–mineral interactions along an earthworm invasion gradient at a Sugar Maple Forest in Northern Minnesota. <i>Applied Geochemistry</i> , 2011, 26, S85-S88.	1.4	9
38	Climate-dependent topographic effects on pyrogenic soil carbon in southeastern Australia. <i>Geoderma</i> , 2018, 322, 121-130.	2.3	9
39	TEMPO AND TRAJECTORY OF THE BUILT LANDSCAPE ON TAËÅ ISLAND, MANUËA GROUP, AMERICAN SÅMOA: INTEGRATING EXTENSIVE RADIOCARBON DATING WITH JOINT POSTERIOR MODELING. <i>Radiocarbon</i> , 2020, 62, 1317-1337.	0.8	8
40	The distribution and genesis of eroded phase soils in the conterminous United States. <i>Geoderma</i> , 2016, 279, 149-164.	2.3	7
41	Using Short-lived Radionuclides to Estimate Rates of Soil Motion in Frost Boils. <i>Permafrost and Periglacial Processes</i> , 2014, 25, 184-193.	1.5	6
42	Soil carbon redistribution and organo-mineral associations after lateral soil movement and mixing in a first-order forest watershed. <i>Geoderma</i> , 2018, 319, 142-155.	2.3	5
43	Non-native species change the tune of tundra soils: Novel access to soundscapes of the Arctic earthworm invasion. <i>Science of the Total Environment</i> , 2022, 838, 155976.	3.9	5
44	Chapter 2 Contaminants as Tracers for Studying Dynamics of Soil Formation. <i>Advances in Agronomy</i> , 2008, , 15-57.	2.4	4
45	Tracking Emergent Spatial and Social Patterns across Terraced Landscapes in Polynesia. <i>Journal of Field Archaeology</i> , 2022, 47, 196-211.	0.7	4
46	Consistent mineral-associated organic carbon chemistry with variable erosion rates in a mountainous landscape. <i>Geoderma</i> , 2022, 405, 115448.	2.3	2
47	Soil Mantled Hillslopes: Intersections of Geomorphology, Soil Science, and Ecology. , 2016, , 180-214.		2
48	7.5 Influence of Chemical Weathering on Hillslope Forms. , 2013, , 56-65.		1
49	Quantifying Geomorphic Controls on Time in Weathering Systems. <i>Procedia Earth and Planetary Science</i> , 2014, 10, 249-253.	0.6	1
50	Trace element and Pb isotope analyses highlight decentralized inter-island exchange in American SÅmoa (Polynesia). <i>Archaeological and Anthropological Sciences</i> , 2022, 14, .	0.7	1
51	Utilising a Suite of Isotopic and Elemental Tracers to Constrain Cryoturbation Rates and Patterns in a NonËsorted Circle. <i>Permafrost and Periglacial Processes</i> , 2017, 28, 634-648.	1.5	0