

Lyla L Taylor

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/4026804/publications.pdf>

Version: 2024-02-01

22
papers

1,175
citations

566801

15
h-index

752256

20
g-index

33
all docs

33
docs citations

33
times ranked

1417
citing authors

#	ARTICLE	IF	CITATIONS
1	Farming with crops and rocks to address global climate, food and soil security. <i>Nature Plants</i> , 2018, 4, 138-147.	4.7	226
2	Enhanced weathering strategies for stabilizing climate and averting ocean acidification. <i>Nature Climate Change</i> , 2016, 6, 402-406.	8.1	184
3	Fire and fire-adapted vegetation promoted C ₄ expansion in the late Miocene. <i>New Phytologist</i> , 2012, 195, 653-666.	3.5	131
4	Increased yield and CO ₂ sequestration potential with the C ₄ cereal <i>Sorghum bicolor</i> cultivated in basaltic rock dust-amended agricultural soil. <i>Global Change Biology</i> , 2020, 26, 3658-3676.	4.2	102
5	Evaluating the effects of terrestrial ecosystems, climate and carbon dioxide on weathering over geological time: a global-scale process-based approach. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2012, 367, 565-582.	1.8	83
6	The role of forest trees and their mycorrhizal fungi in carbonate rock weathering and its significance for global carbon cycling. <i>Plant, Cell and Environment</i> , 2015, 38, 1947-1961.	2.8	60
7	Constraining the role of early land plants in Palaeozoic weathering and global cooling. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2015, 282, 20151115.	1.2	54
8	Substantial carbon drawdown potential from enhanced rock weathering in the United Kingdom. <i>Nature Geoscience</i> , 2022, 15, 382-389.	5.4	48
9	Effects of mineralogy, chemistry and physical properties of basalts on carbon capture potential and plant-nutrient element release via enhanced weathering. <i>Applied Geochemistry</i> , 2021, 132, 105023.	1.4	42
10	Combating Climate Change Through Enhanced Weathering of Agricultural Soils. <i>Elements</i> , 2019, 15, 253-258.	0.5	37
11	Increased carbon capture by a silicate-treated forested watershed affected by acid deposition. <i>Biogeosciences</i> , 2021, 18, 169-188.	1.3	35
12	Simulating carbon capture by enhanced weathering with croplands: an overview of key processes highlighting areas of future model development. <i>Biology Letters</i> , 2017, 13, 20160868.	1.0	32
13	Ecosystem CO ₂ starvation and terrestrial silicate weathering: mechanisms and global-scale quantification during the late Miocene. <i>Journal of Ecology</i> , 2012, 100, 31-41.	1.9	27
14	Weathering by tree-root-associating fungi diminishes under simulated Cenozoic atmospheric CO ₂ decline. <i>Biogeosciences</i> , 2014, 11, 321-331.	1.3	23
15	Lineage-based functional types: characterising functional diversity to enhance the representation of ecological behaviour in Land Surface Models. <i>New Phytologist</i> , 2020, 228, 15-23.	3.5	20
16	Climatic Controls on C ₄ Grassland Distributions During the Neogene: A Model-Data Comparison. <i>Frontiers in Ecology and Evolution</i> , 2018, 6, .	1.1	15
17	Montane forest root growth and soil organic layer depth as potential factors stabilizing Cenozoic global change. <i>Geophysical Research Letters</i> , 2014, 41, 983-990.	1.5	12
18	Optimized Seismic Threshold Monitoring – Part 1: Regional Processing. , 2002, , 969-987.		12

#	ARTICLE	IF	CITATIONS
19	Optimized Seismic Threshold Monitoring " Part 2: Teleseismic Processing. , 2002, , 989-1004.		8
20	The Temperature of the Supergiant gamma Per. Astronomical Journal, 1996, 111, 2099.	1.9	7
21	Using criterion-referenced assessment and "preflights"™ to enhance education in practical assignments. Planet, 2008, 20, 29-36.	0.1	4
22	The Temperature of the Supergiant Î± Per. International Astronomical Union Colloquium, 1995, 155, 393-394.	0.1	0