

Saugata Datta

List of Publications by Year in descending order

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Version: 2024-02-01

19
papers

749
citations

567281

15
h-index

752698

20
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20
all docs

20
docs citations

20
times ranked

947
citing authors

#	ARTICLE	IF	CITATIONS
1	Geochemical interactions among water, minerals, microbes, and organic matter in formation of speleothems in volcanic (lava tube) caves. <i>Chemical Geology</i> , 2022, 594, 120759.	3.3	4
2	Pleistocene sands of the Mississippi River Alluvial Aquifer produce the highest groundwater arsenic concentrations in southern Louisiana, USA. <i>Journal of Hydrology</i> , 2021, 595, 125995.	5.4	7
3	Origin of tungsten and geochemical controls on its occurrence and mobilization in shallow sediments from Fallon, Nevada, USA. <i>Chemosphere</i> , 2020, 260, 127577.	8.2	17
4	Mobilization of co-occurring trace elements (CTEs) in arsenic contaminated aquifers in the Bengal basin. <i>Applied Geochemistry</i> , 2020, 122, 104709.	3.0	14
5	Investigation of tungstate thiolation reaction kinetics and sedimentary molybdenum/tungsten enrichments: Implication for tungsten speciation in sulfidic waters and possible applications for paleoredox studies. <i>Geochimica Et Cosmochimica Acta</i> , 2020, 287, 277-295.	3.9	24
6	Isolation and Characterization of Soil Bacteria from an Abandoned Coal Mine in Southeast Kansas. <i>Transactions of the Kansas Academy of Science</i> , 2020, 123, .	0.1	2
7	Biogeochemical and reactive transport modeling of arsenic in groundwaters from the Mississippi River delta plain: An analog for the As-affected aquifers of South and Southeast Asia. <i>Geochimica Et Cosmochimica Acta</i> , 2019, 264, 245-272.	3.9	26
8	Occurrence and distribution of high arsenic in sediments and groundwater of the ClaromecÃ³ fluvial basin, southern Pampean plain (Argentina). <i>Science of the Total Environment</i> , 2019, 695, 133673.	8.0	18
9	Effects of acidification on the optical properties of dissolved organic matter from high and low arsenic groundwater and surface water. <i>Science of the Total Environment</i> , 2019, 653, 1326-1332.	8.0	15
10	Changing recharge pathways within an intensively pumped aquifer with high fluoride concentrations in Central Mexico. <i>Science of the Total Environment</i> , 2018, 622-623, 1029-1045.	8.0	32
11	Influence of monsoonal recharge on arsenic and dissolved organic matter in the Holocene and Pleistocene aquifers of the Bengal Basin. <i>Science of the Total Environment</i> , 2018, 637-638, 588-599.	8.0	54
12	Contrasting dissolved organic matter quality in groundwater in Holocene and Pleistocene aquifers and implications for influencing arsenic mobility. <i>Applied Geochemistry</i> , 2017, 77, 194-205.	3.0	86
13	Tungsten Contamination of Soils and Sediments: Current State of Science. <i>Current Pollution Reports</i> , 2017, 3, 55-64.	6.6	41
14	Biogeochemical Controls on the Release and Accumulation of Mn and As in Shallow Aquifers, West Bengal, India. <i>Frontiers in Environmental Science</i> , 2017, 5, .	3.3	40
15	Geochemistry of Tungsten and Arsenic in Aquifer Systems: A Comparative Study of Groundwaters from West Bengal, India, and Nevada, USA. <i>Water, Air, and Soil Pollution</i> , 2014, 225, 1.	2.4	23
16	Controls on tungsten concentrations in groundwater flow systems: The role of adsorption, aquifer sediment Fe(III) oxide/oxyhydroxide content, and thiotungstate formation. <i>Chemical Geology</i> , 2013, 351, 76-94.	3.3	78
17	Use of X-ray Absorption Spectroscopy To Speciate Manganese in Airborne Particulate Matter from Five Counties Across the United States. <i>Environmental Science & Technology</i> , 2012, 46, 3101-3109.	10.0	37
18	Perennial ponds are not an important source of water or dissolved organic matter to groundwaters with high arsenic concentrations in West Bengal, India. <i>Geophysical Research Letters</i> , 2011, 38, n/a-n/a.	4.0	77

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19	Lava tubes and basaltic caves as astrobiological targets on Earth and Mars: A review. Planetary and Space Science, 2010, 58, 592-598.	1.7	126