

Debajyoti Paul

List of Publications by Year in descending order

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Version: 2024-02-01

38
papers

1,437
citations

430874

18
h-index

315739

38
g-index

38
all docs

38
docs citations

38
times ranked

1999
citing authors

#	ARTICLE	IF	CITATIONS
1	Normalization of measured stable isotopic compositions to isotope reference scales – a review. <i>Rapid Communications in Mass Spectrometry</i> , 2007, 21, 3006-3014.	1.5	394
2	Isotherms, kinetics and thermodynamics of hexavalent chromium removal using biochar. <i>Journal of Environmental Chemical Engineering</i> , 2018, 6, 2335-2343.	6.7	114
3	Removal of hexavalent chromium upon interaction with biochar under acidic conditions: mechanistic insights and application. <i>Environmental Science and Pollution Research</i> , 2017, 24, 16786-16797.	5.3	105
4	Photocatalytic reduction of organic pollutant under visible light by green route synthesized gold nanoparticles. <i>Journal of Environmental Sciences</i> , 2017, 55, 236-246.	6.1	86
5	Counter-intuitive influence of Himalayan river morphodynamics on Indus Civilisation urban settlements. <i>Nature Communications</i> , 2017, 8, 1617.	12.8	82
6	Assessment of carbonate-phosphoric acid analytical technique performed using GasBench II in continuous flow isotope ratio mass spectrometry. <i>International Journal of Mass Spectrometry</i> , 2007, 262, 180-186.	1.5	75
7	$\delta^{13}\text{C}$ analyses of calcium carbonate: comparison between the GasBench and elemental analyzer techniques. <i>Rapid Communications in Mass Spectrometry</i> , 2006, 20, 2915-2920.	1.5	62
8	Geochemistry of buried river sediments from Ghaggar Plains, NW India: Multi-proxy records of variations in provenance, paleoclimate, and paleovegetation patterns in the Late Quaternary. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 2016, 449, 85-100.	2.3	47
9	Spatial distribution and the extent of heavy metal and hexavalent chromium pollution in agricultural soils from Jajmau, India. <i>Environmental Earth Sciences</i> , 2015, 73, 3565-3577.	2.7	41
10	Sr and Nd isotope compositions of alluvial sediments from the Ganga Basin and their use as potential proxies for source identification and apportionment. <i>Chemical Geology</i> , 2018, 476, 327-339.	3.3	34
11	Recovery of palladium from secondary waste using soluble tannins cross-linked <i>Lagerstroemia speciosa</i> leaves powder. <i>Journal of Chemical Technology and Biotechnology</i> , 2017, 92, 1667-1677.	3.2	30
12	Sources of organic matter in Chilika lagoon, India inferred from stable C and N isotopic compositions of particulates and sediments. <i>Journal of Marine Systems</i> , 2019, 194, 81-90.	2.1	29
13	Origin of the Amba Dongar carbonatite complex, India and its possible linkage with the Deccan Large Igneous Province. <i>Geological Society Special Publication</i> , 2018, 463, 137-169.	1.3	27
14	Sorption and recovery of platinum from simulated spent catalyst solution and refinery wastewater using chemically modified biomass as a novel sorbent. <i>Environmental Science and Pollution Research</i> , 2018, 25, 10911-10925.	5.3	25
15	Understanding the origin of carbonaceous aerosols during periods of extensive biomass burning in northern India. <i>Environmental Pollution</i> , 2021, 270, 116082.	7.5	25
16	Open system models of isotopic evolution in Earth's silicate reservoirs: Implications for crustal growth and mantle heterogeneity. <i>Geochimica Et Cosmochimica Acta</i> , 2016, 195, 142-157.	3.9	23
17	Modelling the isotopic evolution of the Earth. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , 2002, 360, 2433-2474.	3.4	22
18	Investigation of size distribution and mass characteristics of ambient aerosols and their combustion sources during post-monsoon in northern India. <i>Atmospheric Pollution Research</i> , 2020, 11, 170-178.	3.8	22

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19	Absorption and radiative characteristics of brown carbon aerosols during crop residue burning in the source region of Indo-Gangetic Plain. <i>Atmospheric Research</i> , 2021, 249, 105285.	4.1	19
20	Geochemistry of Holocene sediments from Chilika Lagoon, India: inferences on the sources of organic matter and variability of the Indian summer monsoon. <i>Quaternary International</i> , 2021, 599-600, 148-157.	1.5	19
21	The Origin of Carbonatites from Amba Dongar within the Deccan Large Igneous Province. <i>Journal of Petrology</i> , 2019, 60, 1119-1134.	2.8	18
22	Rhyolites in continental mafic Large Igneous Provinces: Petrology, geochemistry and petrogenesis. <i>Geoscience Frontiers</i> , 2021, 12, 53-80.	8.4	18
23	Chemical characterization and stable nitrogen isotope composition of nitrogenous component of ambient aerosols from Kanpur in the Indo-Gangetic Plains. <i>Science of the Total Environment</i> , 2021, 763, 143032.	8.0	16
24	Late Holocene aridification recorded in the stable carbon and nitrogen isotope composition of soils from Nainital, Lesser Himalaya. <i>Quaternary International</i> , 2018, 467, 195-203.	1.5	14
25	Major and Trace Element Characteristics of the Average Indian Post-Archean Shale: Implications for Provenance, Weathering, and Depositional Environment. <i>ACS Earth and Space Chemistry</i> , 2021, 5, 1114-1129.	2.7	12
26	Wintertime study on bulk composition and stable carbon isotope analysis of ambient aerosols from North India. <i>Journal of Aerosol Science</i> , 2018, 126, 231-241.	3.8	11
27	Link between climate and catchment erosion in the Himalaya during the late Quaternary. <i>Chemical Geology</i> , 2018, 501, 68-76.	3.3	10
28	Variabilities of $\delta^{13}C$ and carbonaceous components in ambient PM _{2.5} in Northeast India: Insights into sources and atmospheric processes. <i>Environmental Research</i> , 2022, 214, 113801.	7.5	9
29	Implications for Late Holocene climate from stable carbon and oxygen isotopic variability in soil and land snail shells from archaeological site 41KM69 in Texas, USA. <i>Quaternary International</i> , 2013, 308-309, 242-252.	1.5	8
30	Constraints on Archean crust formation from open system models of Earth evolution. <i>Chemical Geology</i> , 2019, 530, 119307.	3.3	7
31	Major-trace element and Sr-Nd isotope compositions of mafic dykes of the Singhbhum Craton: Insights into evolution of the lithospheric mantle. <i>Lithos</i> , 2021, 382-383, 105959.	1.4	7
32	Constraining the timing and deposition pattern of loess-palaeosol sequences in Kashmir Valley, Western Himalaya: Implications to paleoenvironment studies. <i>Aeolian Research</i> , 2021, 49, 100660.	2.7	7
33	Insights into sources and atmospheric processing at two polluted urban locations in the Indo-Gangetic plains from stable carbon and nitrogen isotope ratios and polycyclic aromatic hydrocarbons in ambient PM _{2.5} . <i>Atmospheric Environment</i> , 2022, 271, 118904.	4.1	7
34	Reply to the comment on "Geochemistry of buried river sediments from Ghaggar Plains, NW India: Multi-proxy records of variations in provenance, paleoclimate, and paleovegetation patterns in the Late Quaternary" by Singh et al. (2016), <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> 449 (2016) 85-100. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 2016, 455, 68-70.	2.3	3
35	Evolution of a crustal-scale silicic to intermediate tectono-magmatic system: The ~2600-2300 Ma Bundelkhand granitoid, India. <i>Precambrian Research</i> , 2021, 352, 105951.	2.7	3
36	Mineralogical, geochemical, and magnetic susceptibility variations in the loess-paleosol sequence from Pattan, Kashmir Valley, India record an enhanced Indian summer monsoon around 35 ka. <i>Quaternary International</i> , 2022, 616, 55-66.	1.5	3

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37	Petrography and geochemistry of carbonatite breccia from Amba Dongar carbonatite complex, Gujarat in the Deccan Large Igneous Province suggest mantle origin. <i>Journal of Earth System Science</i> , 2022, 131, 1.	1.3	2
38	Paleoenvironmental, paleovegetational, and paleoclimatic changes during Paleogene lignite formation in Rajasthan, India. <i>Arabian Journal of Geosciences</i> , 2021, 14, 1.	1.3	1