

Subrata Hait

List of Publications by Year in descending order

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39
papers

1,781
citations

394421

19
h-index

414414

32
g-index

42
all docs

42
docs citations

42
times ranked

1874
citing authors

#	ARTICLE	IF	CITATIONS
1	A review on automated sorting of source-separated municipal solid waste for recycling. <i>Waste Management</i> , 2017, 60, 56-74.	7.4	337
2	Plastics in the time of COVID-19 pandemic: Protector or polluter?. <i>Science of the Total Environment</i> , 2021, 759, 144274.	8.0	216
3	Comparative assessment of metallurgical recovery of metals from electronic waste with special emphasis on bioleaching. <i>Environmental Science and Pollution Research</i> , 2017, 24, 6989-7008.	5.3	138
4	Vermistabilization of primary sewage sludge. <i>Bioresource Technology</i> , 2011, 102, 2812-2820.	9.6	125
5	Remediation of nitrate-contaminated water by solid-phase denitrification process—a review. <i>Environmental Science and Pollution Research</i> , 2015, 22, 8075-8093.	5.3	112
6	Transformation and availability of nutrients and heavy metals during integrated composting—vermicomposting of sewage sludges. <i>Ecotoxicology and Environmental Safety</i> , 2012, 79, 214-224.	6.0	101
7	Extraction of metals from high grade waste printed circuit board by conventional and hybrid bioleaching using <i>Acidithiobacillus ferrooxidans</i> . <i>Hydrometallurgy</i> , 2018, 177, 132-139.	4.3	96
8	Fate and bioavailability of heavy metals during vermicomposting of various organic wastes—A review. <i>Chemical Engineering Research and Design</i> , 2017, 109, 30-45.	5.6	92
9	Optimizing vermistabilization of waste activated sludge using vermicompost as bulking material. <i>Waste Management</i> , 2011, 31, 502-511.	7.4	61
10	Occurrence, fate and removal of SARS-CoV-2 in wastewater: Current knowledge and future perspectives. <i>Journal of Environmental Chemical Engineering</i> , 2021, 9, 104870.	6.7	59
11	Comprehensive characterization of printed circuit boards of various end-of-life electrical and electronic equipment for beneficiation investigation. <i>Waste Management</i> , 2018, 75, 103-123.	7.4	57
12	Biometallurgical recovery of metals from waste printed circuit boards using pure and mixed strains of <i>Acidithiobacillus ferrooxidans</i> and <i>Acidiphilium acidophilum</i> . <i>Chemical Engineering Research and Design</i> , 2020, 143, 262-272.	5.6	47
13	Multi-material classification of dry recyclables from municipal solid waste based on thermal imaging. <i>Waste Management</i> , 2017, 70, 13-21.	7.4	42
14	Classification of metallic and non-metallic fractions of e-waste using thermal imaging-based technique. <i>Chemical Engineering Research and Design</i> , 2018, 118, 32-39.	5.6	39
15	Toxicity characterization of metals from various waste printed circuit boards. <i>Chemical Engineering Research and Design</i> , 2018, 116, 74-81.	5.6	32
16	Antibacterial and natural room-light driven photocatalytic activities of CuO nanorods. <i>Materials Chemistry and Physics</i> , 2019, 226, 106-112.	4.0	32
17	A Comprehensive Review of the Fate of Pathogens during Vermicomposting of Organic Wastes. <i>Journal of Environmental Quality</i> , 2018, 47, 16-29.	2.0	30
18	Chelating extraction of metals from e-waste using diethylene triamine pentaacetic acid. <i>Chemical Engineering Research and Design</i> , 2019, 121, 1-11.	5.6	27

#	ARTICLE	IF	CITATIONS
19	Feasibility of Bioleaching of Selected Metals from Electronic Waste by <i>Acidiphilium acidophilum</i> . Waste and Biomass Valorization, 2018, 9, 871-877.	3.4	26
20	Greenhouse Gas Emission During Composting and Vermicomposting of Organic Wastes – A Review. Clean - Soil, Air, Water, 2018, 46, 1700042.	1.1	20
21	Automated Municipal Solid Waste Sorting for Recycling Using a Mobile Manipulator. , 2016, , .		16
22	Qualitative and quantitative metals liberation assessment for characterization of various waste printed circuit boards for recycling. Environmental Science and Pollution Research, 2017, 24, 27445-27456.	5.3	16
23	Material composition and associated toxicological impact assessment of mobile phones. Journal of Environmental Chemical Engineering, 2021, 9, 104603.	6.7	14
24	Scope of improvement of treatment capacity of activated sludge process by hybrid modification. Journal of Environmental Engineering and Science, 2008, 7, 147-158.	0.8	8
25	Analysis of partially sulfonated low density polyethylene (LDPE) membranes as separators in microbial fuel cells. RSC Advances, 2017, 7, 21890-21900.	3.6	7
26	Influences of ferrous iron concentration and mixing speed on metal recovery from waste printed circuit boards using bio-Fenton process. Journal of Environmental Chemical Engineering, 2021, 9, 106460.	6.7	7
27	Wastewater treatment by high-growth bioreactor integrated with settling-cum-membrane separation. Desalination, 2011, 270, 233-240.	8.2	6
28	Characterization of particle size-based deportment of metals in various waste printed circuit boards towards metal recovery. Cleaner Materials, 2021, 1, 100013.	5.1	6
29	Improved Sequential Approach for Hybrid Bioleaching of Metals from E-Waste. Lecture Notes in Civil Engineering, 2021, , 113-120.	0.4	2
30	Optimal Sequence Planning for Robotic Sorting of Recyclables From Source-Segregated Municipal Solid Waste. Journal of Computing and Information Science in Engineering, 2021, 21, .	2.7	2
31	Performance evaluation of an aerobic biofilter with high organics containing synthetic wastewater. International Journal of Environment and Pollution, 2009, 37, 141.	0.2	1
32	Process engineering for bioleaching of metals from waste electrical and electronic equipment. , 2021, , 185-202.		1
33	Hybrid bioleaching – an emerging technique for extraction of critical metals from WEEE. , 2021, , 109-123.		1
34	Bioleaching of Selected Metals from E-Waste Using Pure and Mixed Cultures of <i>Aspergillus</i> Species. Energy, Environment, and Sustainability, 2020, , 271-280.	1.0	1
35	Efficacy of Metal Extraction from Discarded Printed Circuit Board Using <i>Aspergillus tubingensis</i> . , 2020, , 167-175.		1
36	Performance evaluation of a shaft-type hybrid bioreactor for the removal of carbonaceous organic matter. International Journal of Environmental Engineering, 2012, 4, 337.	0.1	0

#	ARTICLE	IF	CITATIONS
37	Applicability of Vermifiltration for Wastewater Treatment and Recycling. , 2020, , 3-17.		0
38	Influence of Initial pH on Bioleaching of Selected Metals from e-Waste Using <i>Aspergillus niger</i> . , 2021, , 225-231.		0
39	Extraction of Selected Metals from High-Grade Waste Printed Circuit Board Using Diethylene Triamine Penta-acetic Acid. , 2020, , 49-57.		0