

Nazmul Huda

List of Publications by Year in descending order

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Version: 2024-02-01

59
papers

3,220
citations

159358

30
h-index

197535

49
g-index

60
all docs

60
docs citations

60
times ranked

2909
citing authors

#	ARTICLE	IF	CITATIONS
1	A comprehensive review of state-of-the-art concentrating solar power (CSP) technologies: Current status and research trends. <i>Renewable and Sustainable Energy Reviews</i> , 2018, 91, 987-1018.	8.2	539
2	Reverse logistics and closed-loop supply chain of Waste Electrical and Electronic Equipment (WEEE)/E-waste: A comprehensive literature review. <i>Resources, Conservation and Recycling</i> , 2018, 137, 48-75.	5.3	242
3	Solar process heat in industrial systems – A global review. <i>Renewable and Sustainable Energy Reviews</i> , 2018, 82, 2270-2286.	8.2	192
4	Recent Advances in Nanogenerator-Driven Self-Powered Implantable Biomedical Devices. <i>Advanced Energy Materials</i> , 2018, 8, 1701210.	10.2	156
5	End-of-life photovoltaic modules: A systematic quantitative literature review. <i>Resources, Conservation and Recycling</i> , 2019, 146, 1-16.	5.3	119
6	A review on the impact of mining and mineral processing industries through life cycle assessment. <i>Journal of Cleaner Production</i> , 2019, 231, 1200-1217.	4.6	118
7	Material flow analysis (MFA) as a strategic tool in E-waste management: Applications, trends and future directions. <i>Journal of Environmental Management</i> , 2019, 244, 344-361.	3.8	103
8	Life cycle assessment of cobalt extraction process. <i>Journal of Sustainable Mining</i> , 2019, 18, 150-161.	0.1	102
9	Environmental Impacts of Solar-Photovoltaic and Solar-Thermal Systems with Life-Cycle Assessment. <i>Energies</i> , 2018, 11, 2346.	1.6	92
10	Waste electric and electronic equipment (WEEE) management: A study on the Brazilian recycling routes. <i>Journal of Cleaner Production</i> , 2018, 174, 7-16.	4.6	81
11	Waste electrical and electronic equipment (WEEE) management: An analysis on the Australian e-waste recycling scheme. <i>Journal of Cleaner Production</i> , 2018, 197, 750-764.	4.6	79
12	Effects of moisture and carbon/nitrogen ratio on gaseous emissions and maturity during direct composting of cornstalks used for filtration of anaerobically digested manure concentrate. <i>Bioresource Technology</i> , 2020, 298, 122503.	4.8	78
13	Current energy mix and techno-economic analysis of concentrating solar power (CSP) technologies in Malaysia. <i>Renewable Energy</i> , 2019, 140, 789-806.	4.3	77
14	A global review of consumer behavior towards e-waste and implications for the circular economy. <i>Journal of Cleaner Production</i> , 2021, 316, 128297.	4.6	73
15	E-waste in Australia: Generation estimation and untapped material recovery and revenue potential. <i>Journal of Cleaner Production</i> , 2019, 237, 117787.	4.6	70
16	Photovoltaic waste assessment: Forecasting and screening of emerging waste in Australia. <i>Resources, Conservation and Recycling</i> , 2019, 146, 192-205.	5.3	67
17	Impacts of aluminum production: A cradle to gate investigation using life-cycle assessment. <i>Science of the Total Environment</i> , 2019, 663, 958-970.	3.9	67
18	Waste mobile phones: A survey and analysis of the awareness, consumption and disposal behavior of consumers in Australia. <i>Journal of Environmental Management</i> , 2020, 275, 111111.	3.8	56

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19	Solar industrial process heating systems in operation – Current SHIP plants and future prospects in Australia. <i>Renewable and Sustainable Energy Reviews</i> , 2018, 91, 409-419.	8.2	55
20	Young consumers’ e-waste awareness, consumption, disposal, and recycling behavior: A case study of university students in Sydney, Australia. <i>Journal of Cleaner Production</i> , 2021, 282, 124490.	4.6	55
21	Ensuring best E-waste recycling practices in developed countries: An Australian example. <i>Journal of Cleaner Production</i> , 2019, 209, 846-854.	4.6	54
22	Assessing the recycling potential of ‘unregulated’ e-waste in Australia. <i>Resources, Conservation and Recycling</i> , 2020, 152, 104526.	5.3	54
23	Environmental impacts and economic feasibility of end of life photovoltaic panels in Australia: A comprehensive assessment. <i>Journal of Cleaner Production</i> , 2020, 260, 120996.	4.6	49
24	Life cycle analysis of copper-gold-lead-silver-zinc beneficiation process. <i>Science of the Total Environment</i> , 2019, 659, 41-52.	3.9	48
25	Towards sustainable TiO ₂ production: An investigation of environmental impacts of ilmenite and rutile processing routes in Australia. <i>Journal of Cleaner Production</i> , 2018, 196, 1016-1025.	4.6	47
26	Comparative Life Cycle Environmental Impact Analysis of Lithium-Ion (Lilo) and Nickel-Metal Hydride (NiMH) Batteries. <i>Batteries</i> , 2019, 5, 22.	2.1	45
27	Critical assessment of renewable energy waste generation in OECD countries: Decommissioned PV panels. <i>Resources, Conservation and Recycling</i> , 2021, 164, 105145.	5.3	45
28	Comparative life-cycle assessment of uranium extraction processes. <i>Journal of Cleaner Production</i> , 2018, 202, 666-683.	4.6	44
29	Computational Fluid Dynamic Modeling of Zinc Slag Fuming Process in Top-Submerged Lance Smelting Furnace. <i>Metallurgical and Materials Transactions B: Process Metallurgy and Materials Processing Science</i> , 2012, 43, 39-55.	1.0	42
30	Life-cycle impact assessment of renewable electricity generation systems in the United States. <i>Renewable Energy</i> , 2020, 151, 1028-1045.	4.3	37
31	A strategic impact assessment of hydropower plants in alpine and non-alpine areas of Europe. <i>Applied Energy</i> , 2019, 250, 198-214.	5.1	33
32	A global life cycle assessment of manganese mining processes based on Ecolnvent database. <i>Science of the Total Environment</i> , 2019, 688, 1102-1111.	3.9	30
33	CFD Modeling of Swirl and Nonswirl Gas Injections into Liquid Baths Using Top Submerged Lances. <i>Metallurgical and Materials Transactions B: Process Metallurgy and Materials Processing Science</i> , 2010, 41, 35-50.	1.0	26
34	Reshaping WEEE management in Australia: An investigation on the untapped WEEE products. <i>Journal of Cleaner Production</i> , 2020, 250, 119496.	4.6	26
35	Multi-levels of photovoltaic waste management: A holistic framework. <i>Journal of Cleaner Production</i> , 2021, 294, 126252.	4.6	26
36	Computational Fluid Dynamics (CFD) Investigation of Submerged Combustion Behavior in a Tuyere Blown Slag-fuming Furnace. <i>Metallurgical and Materials Transactions B: Process Metallurgy and Materials Processing Science</i> , 2012, 43, 1054-1068.	1.0	21

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37	Life-Cycle environmental impact assessment of mineral industries. IOP Conference Series: Materials Science and Engineering, 2018, 351, 012016.	0.3	21
38	Techno-Economic Operation and Environmental Life-Cycle Assessment of a Solar PV-Driven Islanded Microgrid. IEEE Access, 2019, 7, 111828-111839.	2.6	18
39	Impact analysis of gold silver refining processes through life-cycle assessment. Journal of Cleaner Production, 2019, 228, 867-881.	4.6	18
40	Membrane Processes for Resource Recovery from Anaerobically Digested Livestock Manure Effluent: Opportunities and Challenges. Current Pollution Reports, 2020, 6, 123-136.	3.1	18
41	Life-cycle assessment of solar integrated mining processes: A sustainable future. Journal of Cleaner Production, 2019, 236, 117610.	4.6	14
42	Waste battery disposal and recycling behavior: a study on the Australian perspective. Environmental Science and Pollution Research, 2022, 29, 58980-59001.	2.7	13
43	Reverse logistics network design for waste solar photovoltaic panels: A case study of New South Wales councils in Australia. Waste Management and Research, 2021, 39, 386-395.	2.2	12
44	What drives WEEE recycling? A comparative study concerning legislation, collection and recycling. Waste Management and Research, 2022, 40, 1527-1538.	2.2	12
45	Advanced power routing framework for optimal economic operation and control of solar photovoltaic-based islanded microgrid. IET Smart Grid, 2019, 2, 242-249.	1.5	8
46	Solar process heat integration in lead mining process. Case Studies in Thermal Engineering, 2020, 22, 100768.	2.8	8
47	Environmental impact assessment of european non-ferro mining industries through life-cycle assessment. IOP Conference Series: Earth and Environmental Science, 2018, 154, 012019.	0.2	7
48	Environmental profile evaluations of piezoelectric polymers using life cycle assessment. IOP Conference Series: Earth and Environmental Science, 2018, 154, 012017.	0.2	7
49	E-waste management practices in Australia. , 2020, , 553-576.		5
50	Environmental Life-Cycle Assessment and Techno-Economic Analysis of Photovoltaic (PV) and Photovoltaic/Thermal (PV/T) Systems. , 2018, , .		4
51	Life Cycle Assessment in Mining Industries. , 2021, , 15-59.		2
52	Thermal Effects on the Hydrogen Passivation of Silicon Wafers During Diode Laser Annealing. Physica Status Solidi (A) Applications and Materials Science, 2018, 215, 1800060.	0.8	1
53	Life cycle Assessment of Ilmenite and Rutile Production in Australia. , 2021, , 61-83.		1
54	Hydrogen diffusion and dissociation influenced by the laser treatments: a study in the context of silicon processing. Materials Research Express, 2019, 6, 066204.	0.8	0

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55	Comparative Life Cycle Assessment of Uranium Extraction Processes. , 2021, , 85-113.		0
56	Life Cycle Assessment of Copperâ€™Goldâ€™ Leadâ€™Silverâ€™Zinc Beneficiation Process. , 2021, , 115-140.		0
57	Life Cycle Assessment of Solar Process Heating System Integrated in Mining Process. , 2021, , 141-168.		0
58	Future of Electrochemical Energy Storage and Its Impact on the Transition Metals. , 2021, , 341-357.		0
59	Industry-Specific Utilization of Solar Industrial Process Heat (SHIP). , 2019, , 409-438.		0