

Tobias Elwert

List of Publications by Year in descending order

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times ranked

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citing authors

#	ARTICLE	IF	CITATIONS
1	Industrial Recycling of Lithium-Ion Batteries – A Critical Review of Metallurgical Process Routes. <i>Metals</i> , 2020, 10, 1107.	2.3	142
2	Current Developments and Challenges in the Recycling of Key Components of (Hybrid) Electric Vehicles. <i>Recycling</i> , 2016, 1, 25-60.	5.0	88
3	Recycling Decisions in 2020, 2030, and 2040 – When Can Substantial NdFeB Extraction be Expected in the EU?. <i>Metals</i> , 2018, 8, 867.	2.3	41
4	Affinity of Rare Earth Elements to Silico-Phosphate Phases in the System Al ₂ O ₃ -CaO-MgO-P ₂ O ₅ -SiO ₂ . <i>Chemie-Ingenieur-Technik</i> , 2014, 86, 840-847.	0.8	34
5	Recycling of NdFeB Magnets from Electric Drive Motors of (Hybrid) Electric Vehicles. <i>Journal of Sustainable Metallurgy</i> , 2017, 3, 108-121.	2.3	34
6	Extraction of Rare Earth Elements from Phospho-Gypsum: Concentrate Digestion, Leaching, and Purification. <i>Metals</i> , 2020, 10, 131.	2.3	27
7	Improve sustainability of stone mining region in developing countries based on cleaner production evaluation: Methodology and a case study in Laizhou region of China. <i>Journal of Cleaner Production</i> , 2019, 207, 929-950.	9.3	22
8	Recycling of Batteries from Electric Vehicles. <i>Green Energy and Technology</i> , 2018, , 289-321.	0.6	21
9	Methodologies for evaluating sawability of ornamental granite and relation modeling combining sawability with environmental impacts: An application in a stone industrial park of China. <i>Journal of Cleaner Production</i> , 2020, 246, 119004.	9.3	21
10	Recycling of Lithium Iron Phosphate Batteries: Future Prospects and Research Needs. <i>Materials Science Forum</i> , 0, 959, 49-68.	0.3	16
11	Concept for a Hydrometallurgical Processing of a Copper – Cobalt – Nickel Alloy Made from Manganese Nodules. <i>Chemie-Ingenieur-Technik</i> , 2020, 92, 379-386.	0.8	10
12	Characterization of Fine Fractions from the Processing of Municipal Solid Waste Incinerator Bottom Ashes for the Potential Recovery of Valuable Metals. <i>Minerals (Basel, Switzerland)</i> , 2020, 10, 838.	2.0	8
13	A study on energy-saving optimization strategy for the stone processing industry – an improved method for modeling cutting power and energy consumption: A case study of block sawing process. <i>Journal of Cleaner Production</i> , 2021, 300, 126922.	9.3	8
14	Liquid-Liquid Extraction and Chromatography Process Routes for the Purification of Lithium. <i>Materials Science Forum</i> , 0, 959, 79-99.	0.3	6
15	Froth Flotation of Copper and Copper Compounds from Fine Fractions of Waste Incineration Bottom Ashes. <i>Chemie-Ingenieur-Technik</i> , 2017, 89, 97-107.	0.8	5