Shoki Kosai

List of Publications by Year
in descending order

35	447	686830 13	752256 20
papers	citations	h-index	g-index

35	35	35	409
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Multi-regional land disturbances induced by mineral use in a product-based approach: A case study of gasoline, hybrid, battery electric and fuel cell vehicle production in Japan. Resources, Conservation and Recycling, 2022, 178, 106093.	5.3	5
2	Estimation of Greenhouse Gas Emissions of Petrol, Biodiesel and Battery Electric Vehicles in Malaysia Based on Life Cycle Approach. Sustainability, 2022, 14, 5783.	1.6	6
3	The paradox behind green innovations. Waste Management and Research, 2022, 40, 847-848.	2.2	1
4	Distributed recycling system with microwave-based heating for obsolete alkaline batteries. Resources, Environment and Sustainability, 2022, 9, 100071.	2.9	1
5	Global Resource Circularity for Lithium-Ion Batteries up to 2050: Traction and Stationary Use. Mining, 2022, 2, 449-462.	1.1	1
6	Life cycle resource use of nuclear power generation considering total material requirement. Journal of Cleaner Production, 2022, 363, 132530.	4.6	10
7	Natural resource use of gasoline, hybrid, electric and fuel cell vehicles considering land disturbances. Resources, Conservation and Recycling, 2021, 166, 105256.	5.3	23
8	Natural resource use of a traction lithium-ion battery production based on land disturbances through mining activities. Journal of Cleaner Production, 2021, 280, 124871.	4.6	27
9	Evaluating influences of impurities on hydrogen production in the reaction of Si with water using Si sludge. International Journal of Hydrogen Energy, 2021, 46, 7722-7732.	3.8	7
10	Evaluation of resource use in the household lighting sector in Malaysia considering land disturbances through mining activities. Resources, Conservation and Recycling, 2021, 166, 105343.	5.3	5
11	Microwave-Based Approach to Recovering Zinc from Electric Arc Furnace Dust Using Silicon Powder as a Non-carbonaceous Reductant. Jom, 2021, 73, 1828-1835.	0.9	8
12	Estimating the generation of recycled metals from obsolete motorcycles in Vietnam for ELV management. Journal of Material Cycles and Waste Management, 2021, 23, 1563-1575.	1.6	9
13	Microwave-based extractive metallurgy to obtain pure metals: A review. Cleaner Engineering and Technology, 2021, 5, 100306.	2.1	8
14	Economy-Wide Material Flow Analysis and Its Projection: DMI Versus TMR in Japan. Sustainable Production, Life Cycle Engineering and Management, 2021, , 161-175.	0.2	3
15	Towards Intercity Cooperation: Comparison of Spatial Transport Energy Efficiency Between Central and Peripheral Cities in Japan. Sustainable Production, Life Cycle Engineering and Management, 2021, , 239-253.	0.2	0
16	Estimation of the metal flow of WEEE in Vietnam considering lifespan transition. Resources, Conservation and Recycling, 2020, 154, 104621.	5.3	20
17	Resilience of standalone hybrid renewable energy systems: The role of storage capacity. Energy, 2020, 196, 117133.	4.5	25
18	Short-term vs long-term reliance: Development of a novel approach for diversity of fuels for electricity in energy security. Applied Energy, 2020, 262, 114520.	5.1	16

#	Article	IF	Citations
19	Chronological Transition of Relationship between Intracity Lifecycle Transport Energy Efficiency and Population Density. Energies, 2020, 13, 2094.	1.6	6
20	Quantitative evaluation of security of nuclear energy supply: United States as a case study. Energy Strategy Reviews, 2020, 29, 100491.	3.3	15
21	Evaluating Metal Criticality for Low-Carbon Power Generation Technologies in Japan. Minerals (Basel,) Tj ETQq1 1 0.784314 rgBT /Ove	0.8	26
22	Recommendation to ASEAN nuclear development based on lessons learnt from the Fukushima nuclear accident. Energy Policy, 2019, 129, 628-635.	4.2	12
23	Dynamic vulnerability in standalone hybrid renewable energy system. Energy Conversion and Management, 2019, 180, 258-268.	4.4	38
24	Global warming potential and total material requirement in metal production: Identification of changes in environmental impact through metal substitution. Science of the Total Environment, 2019, 651, 1764-1775.	3.9	34
25	Cost-security analysis dedicated for the off-grid electricity system. Renewable Energy, 2018, 115, 871-879.	4.3	15
26	Vehicle energy efficiency evaluation from well-to-wheel lifecycle perspective. Transportation Research, Part D: Transport and Environment, 2018, 65, 355-367.	3.2	39
27	Evaluating Power Reliability Dedicated for Sudden Disruptions: Its Application to Determine Capacity on the Basis of Energy Security. Sustainability, 2018, 10, 2059.	1.6	4
28	Comprehensive Analysis of External Dependency in Terms of Material Criticality by Employing Total Material Requirement: Sulfuric Acid Production in Japan as a Case Study. Minerals (Basel,) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 377 Td (	0.8	10
29	Average Time of Use of Electronic Devices and its Analysis toward Sustainable Development Goals. Journal of Life Cycle Assessment Japan, 2018, 14, 77-84.	0.0	1
30	Framework and Evaluation of Total Material Requirement for Food Material: Specific TMR for Food Material in Japan. Journal of Life Cycle Assessment Japan, 2018, 14, 146-157.	0.0	0
31	Quantitative analysis on a zero energy building performance from energy trilemma perspective. Sustainable Cities and Society, 2017, 32, 130-141.	5.1	28
32	Quantitative analysis on the impact of nuclear energy supply disruption on electricity supply security. Applied Energy, 2017, 208, 1198-1207.	5.1	28
33	Conceptualizing maritime security for energy transportation security. Journal of Transportation Security, 2016, 9, 175-190.	0.9	10
34	Applicability of Wiedemann-Franz Law to Thermal Conductivity of Molten Fieldâ€™s Metal. Materials Science Forum, 0, 985, 1-9.	0.3	1
35	Transport Energy Efficiency in Domestic Long-Distance Travel in Japan. Transportation Research Record, 0, , 036119812110447.	1.0	1