

Shoki Kosai

List of Publications by Year in descending order

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Version: 2024-02-01

35
papers

447
citations

686830

13
h-index

752256

20
g-index

35
all docs

35
docs citations

35
times ranked

409
citing authors

#	ARTICLE	IF	CITATIONS
1	Vehicle energy efficiency evaluation from well-to-wheel lifecycle perspective. Transportation Research, Part D: Transport and Environment, 2018, 65, 355-367.	3.2	39
2	Dynamic vulnerability in standalone hybrid renewable energy system. Energy Conversion and Management, 2019, 180, 258-268.	4.4	38
3	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
4	Quantitative analysis on a zero energy building performance from energy trilemma perspective. Sustainable Cities and Society, 2017, 32, 130-141.	5.1	28
5	Quantitative analysis on the impact of nuclear energy supply disruption on electricity supply security. Applied Energy, 2017, 208, 1198-1207.	5.1	28
6	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
7	Evaluating Metal Criticality for Low-Carbon Power Generation Technologies in Japan. Minerals (Basel,) Tj ETQq1 1 0,784314 rgBT /Overlock 10 Tf 10 217 Td (0,8	26
8	Resilience of standalone hybrid renewable energy systems: The role of storage capacity. Energy, 2020, 196, 117133.	4.5	25
9	Natural resource use of gasoline, hybrid, electric and fuel cell vehicles considering land disturbances. Resources, Conservation and Recycling, 2021, 166, 105256.	5.3	23
10	Estimation of the metal flow of WEEE in Vietnam considering lifespan transition. Resources, Conservation and Recycling, 2020, 154, 104621.	5.3	20
11	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
12	Cost-security analysis dedicated for the off-grid electricity system. Renewable Energy, 2018, 115, 871-879.	4.3	15
13	Quantitative evaluation of security of nuclear energy supply: United States as a case study. Energy Strategy Reviews, 2020, 29, 100491.	3.3	15
14	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 10 217 Td (0,8	10
15	Recommendation to ASEAN nuclear development based on lessons learnt from the Fukushima nuclear accident. Energy Policy, 2019, 129, 628-635.	4.2	12
16	Conceptualizing maritime security for energy transportation security. Journal of Transportation Security, 2016, 9, 175-190.	0.9	10
17	Life cycle resource use of nuclear power generation considering total material requirement. Journal of Cleaner Production, 2022, 363, 132530.	4.6	10
18	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

#	ARTICLE	IF	CITATIONS
19	Microwave-Based Approach to Recovering Zinc from Electric Arc Furnace Dust Using Silicon Powder as a Non-carbonaceous Reductant. <i>Jom</i> , 2021, 73, 1828-1835.	0.9	8
20	Microwave-based extractive metallurgy to obtain pure metals: A review. <i>Cleaner Engineering and Technology</i> , 2021, 5, 100306.	2.1	8
21	Evaluating influences of impurities on hydrogen production in the reaction of Si with water using Si sludge. <i>International Journal of Hydrogen Energy</i> , 2021, 46, 7722-7732.	3.8	7
22	Chronological Transition of Relationship between Intracity Lifecycle Transport Energy Efficiency and Population Density. <i>Energies</i> , 2020, 13, 2094.	1.6	6
23	Estimation of Greenhouse Gas Emissions of Petrol, Biodiesel and Battery Electric Vehicles in Malaysia Based on Life Cycle Approach. <i>Sustainability</i> , 2022, 14, 5783.	1.6	6
24	Evaluation of resource use in the household lighting sector in Malaysia considering land disturbances through mining activities. <i>Resources, Conservation and Recycling</i> , 2021, 166, 105343.	5.3	5
25	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. <i>Resources, Conservation and Recycling</i> , 2022, 178, 106093.	5.3	5
26	Evaluating Power Reliability Dedicated for Sudden Disruptions: Its Application to Determine Capacity on the Basis of Energy Security. <i>Sustainability</i> , 2018, 10, 2059.	1.6	4
27	Economy-Wide Material Flow Analysis and Its Projection: DMI Versus TMR in Japan. <i>Sustainable Production, Life Cycle Engineering and Management</i> , 2021, , 161-175.	0.2	3
28	Applicability of Wiedemann-Franz Law to Thermal Conductivity of Molten Fieldâ€™s Metal. <i>Materials Science Forum</i> , 0, 985, 1-9.	0.3	1
29	Transport Energy Efficiency in Domestic Long-Distance Travel in Japan. <i>Transportation Research Record</i> , 0, , 036119812110447.	1.0	1
30	Average Time of Use of Electronic Devices and its Analysis toward Sustainable Development Goals. <i>Journal of Life Cycle Assessment Japan</i> , 2018, 14, 77-84.	0.0	1
31	The paradox behind green innovations. <i>Waste Management and Research</i> , 2022, 40, 847-848.	2.2	1
32	Distributed recycling system with microwave-based heating for obsolete alkaline batteries. <i>Resources, Environment and Sustainability</i> , 2022, 9, 100071.	2.9	1
33	Global Resource Circularity for Lithium-Ion Batteries up to 2050: Traction and Stationary Use. <i>Mining</i> , 2022, 2, 449-462.	1.1	1
34	Framework and Evaluation of Total Material Requirement for Food Material: Specific TMR for Food Material in Japan. <i>Journal of Life Cycle Assessment Japan</i> , 2018, 14, 146-157.	0.0	0
35	Towards Intercity Cooperation: Comparison of Spatial Transport Energy Efficiency Between Central and Peripheral Cities in Japan. <i>Sustainable Production, Life Cycle Engineering and Management</i> , 2021, , 239-253.	0.2	0