

# Yasuhiro Fukushima

## List of Publications by Year in descending order

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Version: 2024-02-01

21  
papers

537  
citations

687220

13  
h-index

713332

21  
g-index

21  
all docs

21  
docs citations

21  
times ranked

594  
citing authors

#	ARTICLE	IF	CITATIONS
1	Assessment of energy performance and air pollutant emissions in a diesel engine generator fueled with water-containing ethanol "biodiesel" diesel blend of fuels. <i>Energy</i> , 2011, 36, 5591-5599.	4.5	114
2	Using Standard Statistics to Consider Uncertainty in Industry-Based Life Cycle Inventory Databases (7) Tj ETQq0 0 0 ggBT /Overlock 10 T	2.2	58
3	Direct dimethyl carbonate synthesis from CO <sub>2</sub> and methanol catalyzed by CeO <sub>2</sub> and assisted by 2-cyanopyridine: a cradle-to-gate greenhouse gas emission study. <i>Green Chemistry</i> , 2021, 23, 457-469.	4.6	50
4	Photocatalytic degradation of spill oils on TiO <sub>2</sub> nanotube thin films. <i>Marine Pollution Bulletin</i> , 2008, 57, 873-876.	2.3	46
5	Optimal Recycling of Steel Scrap and Alloying Elements: Input-Output based Linear Programming Method with Its Application to End-of-Life Vehicles in Japan. <i>Environmental Science &amp; Technology</i> , 2017, 51, 13086-13094.	4.6	43
6	Scenarios of solid oxide fuel cell introduction into Japanese society. <i>Journal of Power Sources</i> , 2004, 131, 327-339.	4.0	33
7	Rethinking the cane sugar mill by using selective fermentation of reducing sugars by <i>Saccharomyces dairenensis</i> , prior to sugar crystallization. <i>Biomass and Bioenergy</i> , 2012, 42, 78-85.	2.9	24
8	A decision support tool for modifications in crop cultivation method based on life cycle assessment: a case study on greenhouse gas emission reduction in Taiwanese sugarcane cultivation. <i>International Journal of Life Cycle Assessment</i> , 2009, 14, 639-655.	2.2	22
9	Integrated design of agricultural and industrial processes: A case study of combined sugar and ethanol production. <i>AIChE Journal</i> , 2017, 63, 560-581.	1.8	20
10	Configuration of Materially Retained Carbon in Our Society: A WIO-MFA-Based Approach for Japan. <i>Environmental Science &amp; Technology</i> , 2018, 52, 3899-3907.	4.6	19
11	Clarifying Demographic Impacts on Embodied and Materially Retained Carbon toward Climate Change Mitigation. <i>Environmental Science &amp; Technology</i> , 2019, 53, 14123-14133.	4.6	15
12	Analyzing flue gas properties emitted from power and industrial sectors toward heat-integrated carbon capture. <i>Energy</i> , 2022, 250, 123775.	4.5	15
13	A graphical representation for consequential life cycle assessment of future technologies. Part 1: methodological framework. <i>International Journal of Life Cycle Assessment</i> , 2012, 17, 119-125.	2.2	14
14	Evaluation of GHG Emission Reduction Potentials of PV System Considering Power Mix Shifts. <i>Journal of Energy Engineering - ASCE</i> , 2008, 134, 58-62.	1.0	11
15	Applications of Cu@C Nanoparticles in New Dye-Sensitized Solar Cells. <i>Journal of Nanomaterials</i> , 2009, 2009, 1-4.	1.5	10
16	A graphical representation for consequential life cycle assessment of future technologies "Part 2: two case studies on choice of technologies and evaluation of technology improvements. <i>International Journal of Life Cycle Assessment</i> , 2012, 17, 270-276.	2.2	10
17	Greenhouse Gas and Air Pollutant Emission Reduction Potentials of Renewable Energy "Case Studies on Photovoltaic and Wind Power Introduction Considering Interactions among Technologies in Taiwan. <i>Journal of the Air and Waste Management Association</i> , 2009, 59, 360-372.	0.9	9
18	Material and energy balances of an integrated biological hydrogen production and purification system and their implications for its potential to reduce greenhouse gas emissions. <i>Bioresource Technology</i> , 2011, 102, 8550-8556.	4.8	8

#	ARTICLE	IF	CITATIONS
19	Sustainable Advance of Cl Recovery from Polyvinyl Chloride Waste Based on Experiment, Simulation, and Ex Ante Life-Cycle Assessment. ACS Sustainable Chemistry and Engineering, 2021, 9, 14112-14123.	3.2	8
20	Preliminary Investigation of Greenhouse Gas Emissions from the Environmental Sector in Taiwan. Journal of the Air and Waste Management Association, 2008, 58, 85-94.	0.9	6
21	Evaluation of environmental impacts of product lifecycle for process design. Computers and Chemical Engineering, 1999, 23, S823-S826.	2.0	2