

# Yi-Hung Chen

## List of Publications by Year in descending order

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38  
papers

1,295  
citations

394421

19  
h-index

345221

36  
g-index

38  
all docs

38  
docs citations

38  
times ranked

1430  
citing authors

#	ARTICLE	IF	CITATIONS
1	CO <sub>2</sub> mineralization and utilization by alkaline solid wastes for potential carbon reduction. <i>Nature Sustainability</i> , 2020, 3, 399-405.	23.7	182
2	Biodiesel production from tung ( <i>Vernicia montana</i> ) oil and its blending properties in different fatty acid compositions. <i>Bioresource Technology</i> , 2010, 101, 9521-9526.	9.6	111
3	A continuous-flow biodiesel production process using a rotating packed bed. <i>Bioresource Technology</i> , 2010, 101, 668-673.	9.6	89
4	Combined photolysis and catalytic ozonation of dimethyl phthalate in a high-gravity rotating packed bed. <i>Journal of Hazardous Materials</i> , 2009, 161, 287-293.	12.4	81
5	CO <sub>2</sub> Mineralization and Utilization using Steel Slag for Establishing a Waste-to-Resource Supply Chain. <i>Scientific Reports</i> , 2017, 7, 17227.	3.3	81
6	High-Gravity Carbonation Process for Enhancing CO <sub>2</sub> Fixation and Utilization Exemplified by the Steelmaking Industry. <i>Environmental Science &amp; Technology</i> , 2015, 49, 12380-12387.	10.0	71
7	Photocatalytic degradation of dimethyl phthalate in an aqueous solution with Pt-doped TiO <sub>2</sub> -coated magnetic PMMA microspheres. <i>Journal of Hazardous Materials</i> , 2009, 172, 20-29.	12.4	64
8	Kinetics and equilibrium of desorption removal of copper from magnetic polymer adsorbent. <i>Journal of Hazardous Materials</i> , 2009, 171, 370-377.	12.4	61
9	Photocatalytic degradation of p-phenylenediamine with TiO <sub>2</sub> -coated magnetic PMMA microspheres in an aqueous solution. <i>Journal of Hazardous Materials</i> , 2009, 163, 973-981.	12.4	52
10	Efficient mineralization of dimethyl phthalate by catalytic ozonation using TiO <sub>2</sub> /Al <sub>2</sub> O <sub>3</sub> catalyst. <i>Journal of Hazardous Materials</i> , 2011, 192, 1017-1025.	12.4	52
11	Synthesis of micro-size magnetic polymer adsorbent and its application for the removal of Cu(II) ion. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2007, 295, 209-216.	4.7	48
12	Accelerated carbonation using municipal solid waste incinerator bottom ash and cold-rolling wastewater: Performance evaluation and reaction kinetics. <i>Waste Management</i> , 2015, 43, 283-292.	7.4	47
13	Deployment of Accelerated Carbonation Using Alkaline Solid Wastes for Carbon Mineralization and Utilization Toward a Circular Economy. <i>ACS Sustainable Chemistry and Engineering</i> , 2017, 5, 6429-6437.	6.7	40
14	Validating carbonation parameters of alkaline solid wastes via integrated thermal analyses: Principles and applications. <i>Journal of Hazardous Materials</i> , 2016, 307, 253-262.	12.4	33
15	Stabilization-solidification-utilization of MSWI fly ash coupling CO <sub>2</sub> mineralization using a high-gravity rotating packed bed. <i>Waste Management</i> , 2021, 121, 412-421.	7.4	33
16	Multiple model approach to evaluation of accelerated carbonation for steelmaking slag in a slurry reactor. <i>Chemosphere</i> , 2016, 154, 63-71.	8.2	32
17	Development and deployment of integrated air pollution control, CO <sub>2</sub> capture and product utilization via a high-gravity process: comprehensive performance evaluation. <i>Environmental Pollution</i> , 2019, 252, 1464-1475.	7.5	29
18	Reduction of Nitrate in Secondary Effluent of Wastewater Treatment Plants by FeO Reductant and Pd-Cu/Graphene Catalyst. <i>Water, Air, and Soil Pollution</i> , 2016, 227, 1.	2.4	21

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19	CO <sub>2</sub> Mineralization and Utilization Using Various Calcium-Containing Wastewater and Refining Slag via a High-Gravity Carbonation Process. <i>Industrial &amp; Engineering Chemistry Research</i> , 2020, 59, 7140-7150.	3.7	21
20	Catalytic reduction of nitrate in secondary effluent of wastewater treatment plants by FeO and Pd/Cu/Al <sub>2</sub> O <sub>3</sub> . <i>Water Science and Technology</i> , 2016, 73, 2697-2703.	2.5	18
21	Production of Torrefied Solid Bio-Fuel from Pulp Industry Waste. <i>Energies</i> , 2017, 10, 910.	3.1	16
22	A Complementary Biodiesel Blend from Soapnut Oil and Free Fatty Acids. <i>Energies</i> , 2012, 5, 3137-3148.	3.1	15
23	Synthesis of Alcohols and Alkanes from CO and H <sub>2</sub> over MoS <sub>2</sub> /Al <sub>2</sub> O <sub>3</sub> Catalyst in a Packed Bed with Continuous Flow. <i>Energies</i> , 2012, 5, 4147-4164.	3.1	13
24	A Case Study on the Electricity Generation Using a Micro Gas Turbine Fuelled by Biogas from a Sewage Treatment Plant. <i>Energies</i> , 2019, 12, 2424.	3.1	11
25	Effect of Assisted Ultrasonication and Ozone Pretreatments on Sludge Characteristics and Yield of Biogas Production. <i>Processes</i> , 2019, 7, 743.	2.8	11
26	The emissions from co-firing of biomass and torrefied biomass with coal in a chain-grate steam boiler. <i>Journal of the Air and Waste Management Association</i> , 2019, 69, 1467-1478.	1.9	11
27	Esterification of Jatropha Oil with Isopropanol via Ultrasonic Irradiation. <i>Energies</i> , 2018, 11, 1456.	3.1	10
28	Removal of fine particles from IC chip carbonization process in a rotating packed bed: Modeling and assessment. <i>Chemosphere</i> , 2020, 238, 124600.	8.2	9
29	A Pilot Plant Study on the Autoclaving of Food Wastes for Resource Recovery and Reutilization. <i>Sustainability</i> , 2018, 10, 3566.	3.2	8
30	Adsorption Removal of Environmental Hormones of Dimethyl Phthalate Using Novel Magnetic Adsorbent. <i>Scientific World Journal</i> , The, 2015, 2015, 1-8.	2.1	6
31	Kinetic modeling of 1-decene oligomerization to synthetic fuels and base oil over tungstated-zirconia catalyst. <i>Reaction Kinetics, Mechanisms and Catalysis</i> , 2019, 126, 529-546.	1.7	5
32	Kinetic rate equation combining ultraviolet-induced curing and thermal curing. I. Bismaleimide system. <i>Journal of Applied Polymer Science</i> , 2010, 115, 935-947.	2.6	3
33	Thermal Cracking of Jatropha Oil with Hydrogen to Produce Bio-Fuel Oil. <i>Energies</i> , 2016, 9, 910.	3.1	3
34	The By-products and Emissions from Manufacturing Torrefied Solid Fuel Using Waste Bamboo Chopsticks. <i>Environments - MDPI</i> , 2017, 4, 36.	3.3	3
35	Photodecomposition of dimethyl phthalate in an aqueous solution with UV radiation using novel catalysts. <i>Desalination and Water Treatment</i> , 2014, 52, 3377-3383.	1.0	2
36	Decomposition and Mineralization of Dimethyl Phthalate in an Aqueous Solution by Wet Oxidation. <i>Scientific World Journal</i> , The, 2015, 2015, 1-8.	2.1	2

#	ARTICLE	IF	CITATIONS
37	A Technical Analysis of Solid Recovered Fuel from Torrefied Jatropha Seed Residue via a Two-Stage Mechanical Screw Press and Solvent Extraction Process. <i>Energies</i> , 2021, 14, 7876.	3.1	1
38	Destruction of n-butanol by an Atmospheric-pressure Plasma Jet over Air and Ar Working Gases with a Pt/Al <sub>2</sub> O <sub>3</sub> Catalyst. <i>Journal of Advanced Oxidation Technologies</i> , 2016, 19, .	0.5	0