

Zhenyu Wu

List of Publications by Year in descending order

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Version: 2024-02-01

11
papers

242
citations

1307594

7
h-index

1372567

10
g-index

11
all docs

11
docs citations

11
times ranked

260
citing authors

#	ARTICLE	IF	CITATIONS
1	Structural modification of waste cooking oil methyl esters as cleaner plasticizer to substitute toxic dioctyl phthalate. <i>Journal of Cleaner Production</i> , 2018, 186, 1021-1030.	9.3	73
2	Degradation of Methylene Blue via Dielectric Barrier Discharge Plasma Treatment. <i>Water (Switzerland)</i> , 2019, 11, 1818.	2.7	41
3	Mass transfer and reaction kinetics of soybean oil epoxidation in a formic acid autocatalyzed reaction system. <i>Canadian Journal of Chemical Engineering</i> , 2016, 94, 1576-1582.	1.7	40
4	Novel Reactor for Exothermic Heterogeneous Reaction Systems: Intensification of Mass and Heat Transfer and Application to Vegetable Oil Epoxidation. <i>Industrial & Engineering Chemistry Research</i> , 2017, 56, 5231-5238.	3.7	20
5	Macroscopic kinetics modelling of liquid-liquid reaction system: Epoxidation of fatty acid methyl esters. <i>Industrial Crops and Products</i> , 2018, 122, 266-276.	5.2	19
6	Biolubricant Production of 2-Ethylhexyl Palmitate by Transesterification Over Unsupported Potassium Carbonate. <i>JAACS, Journal of the American Oil Chemists' Society</i> , 2018, 95, 79-88.	1.9	16
7	Modeling of an industrial scale hydrodynamic cavitation multiphase reactor for Prileschajew epoxidation. <i>AIChE Journal</i> , 2020, 66, e16914.	3.6	9
8	Insights into biobased epoxidized fatty acid isobutyl esters from biodiesel: Preparation and application as plasticizer. <i>Chinese Journal of Chemical Engineering</i> , 2022, 44, 41-50.	3.5	9
9	Novel packed bed reactor designed for Prileschajew epoxidation of fatty acid methyl ester: Intensification of mass/heat transfer. <i>Chemical Engineering and Processing: Process Intensification</i> , 2022, 176, 108960.	3.6	8
10	Hydrodynamics and droplet size distribution of liquid-liquid flow in a packed bed reactor with orifice plates. <i>AIChE Journal</i> , 2021, 67, e17370.	3.6	5
11	Liquid-Liquid Equilibrium for Systems Containing Epoxidized Oils, Formic Acid, and Water: Experimental and Modeling. <i>JAACS, Journal of the American Oil Chemists' Society</i> , 2019, 96, 955-965.	1.9	2