

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