

Tao Chang

List of Publications by Year in descending order

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32
papers

710
citations

567281

15
h-index

552781

26
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34
all docs

34
docs citations

34
times ranked

748
citing authors

#	ARTICLE	IF	CITATIONS
1	The current state applications of ethyl carbonate with ionic liquid in sustainable biodiesel production: A review. <i>Renewable Energy</i> , 2022, 181, 341-354.	8.9	22
2	Urea-based covalent organic crown polymers and KI electrostatic synergy in CO ₂ fixation reaction: A combined experimental and theoretical study. <i>Journal of CO₂ Utilization</i> , 2022, 56, 101867.	6.8	11
3	Quaternary ammonium immobilized PAMAM as efficient catalysts for conversion of carbon dioxide. <i>Journal of CO₂ Utilization</i> , 2022, 58, 101913.	6.8	8
4	Hydroxylamino-anchored Poly(Ionic Liquid)s for CO ₂ Fixation into Cyclic Carbonates at Mild Conditions. <i>Advanced Sustainable Systems</i> , 2021, 5, .	5.3	40
5	Nitrogen-rich covalent organic polymers and potassium iodide for efficient chemical fixation of CO ₂ into epoxides under mild conditions. <i>Sustainable Energy and Fuels</i> , 2021, 5, 2943-2951.	4.9	14
6	Synthesis of Generation-2 polyamidoamine based ionic liquid: Efficient dendrimer based catalytic green fuel production from yellow grease. <i>Energy</i> , 2021, 219, 119637.	8.8	7
7	Novel synthesized microporous ionic polymer applications in transesterification of Jatropha curcas seed oil with short Chain alcohol. <i>Applied Catalysis A: General</i> , 2021, 625, 118335.	4.3	7
8	Pyrene-based ammonium bromides combined with g-C ₃ N ₄ for the synergistically enhanced fixation reaction of CO ₂ and epoxides. <i>RSC Advances</i> , 2021, 11, 30222-30228.	3.6	8
9	Hydroxyl-anchored covalent organic crown-based polymers for CO ₂ fixation into cyclic carbonates under mild conditions. <i>Sustainable Energy and Fuels</i> , 2021, 6, 121-127.	4.9	20
10	Optimization and kinetics of tung nut oil transesterification with methanol using novel solid acidic ionic liquid polymer as catalyst for methyl ester synthesis. <i>Renewable Energy</i> , 2020, 151, 796-804.	8.9	17
11	Optimization of soybean oil transesterification using an ionic liquid and methanol for biodiesel synthesis. <i>Energy Reports</i> , 2020, 6, 20-27.	5.1	35
12	Long-chain Brønsted acidic ionic liquids catalyzed one-pot three-component Biginelli reaction. <i>World Journal of Engineering</i> , 2020, 17, 21-26.	1.6	2
13	Potassium iodide and bis(pyridylcarbamate) electrostatic synergy in the fixation reaction of CO ₂ and epoxides. <i>New Journal of Chemistry</i> , 2020, 44, 15811-15815.	2.8	16
14	Synthesis of polymer based catalyst: Optimization and kinetics modeling of the transesterification of Pistacia chinensis oil with diethyl carbonate using acidic ionic liquids. <i>Fuel</i> , 2020, 276, 118121.	6.4	37
15	Process optimization using novel acidic ionic liquids and the kinetics modeling of methyl esters using Jatropha curcas oil with dimethyl carbonate. <i>Fuel</i> , 2019, 258, 116165.	6.4	8
16	Production of methyl esters from fried soybean oil using dimethyl carbonate with hydrobromic acid. <i>Energy Reports</i> , 2019, 5, 1463-1469.	5.1	10
17	Structure and SO ₂ Absorption Properties of Guanidinium-Based Dicarboxylic Acid Ionic Liquids. <i>Energy & Fuels</i> , 2018, 32, 1956-1962.	5.1	27
18	Green catalysis for the selective oxidation of sulfides with high turnover numbers in water at room temperature. <i>New Journal of Chemistry</i> , 2018, 42, 19349-19352.	2.8	5

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19	Clean and Green Procedure for the Synthesis of Biodiesel from the Esterification of Free Fatty Acids and Alcohol Catalyzed by 6-O-(sulfobutyl)- β -cyclodextrin. Russian Journal of Applied Chemistry, 2018, 91, 1123-1128.	0.5	2
20	Temperature-responsive self-separation ionic liquid system of zwitterionic-type quaternary ammonium-KI for CO ₂ fixation. Chinese Journal of Catalysis, 2018, 39, 1854-1860.	14.0	25
21	A Facile Synthesis of La ₂ O ₃ /GO Nanocomposites in N,N-Dimethylformamide with High Dye Degradation Efficiency. Journal of Nanomaterials, 2018, 2018, 1-5.	2.7	8
22	Hydrophilic phase transfer catalyst based on the sulfoacid group and polyoxometalate for the selective oxidation of sulfides in water with hydrogen peroxide. New Journal of Chemistry, 2017, 41, 447-451.	2.8	21
23	Cultivating Fluorescent Flowers with Highly Luminescent Carbon Dots Fabricated by a Double Passivation Method. Nanomaterials, 2017, 7, 176.	4.1	14
24	Brønsted acid surfactant-combined dicationic ionic liquids as green catalysts for biodiesel synthesis from free fatty acids and alcohols. Chinese Journal of Catalysis, 2015, 36, 982-986.	14.0	14
25	Coupling of epoxides and carbon dioxide catalyzed by Brønsted acid ionic liquids. Chinese Journal of Catalysis, 2015, 36, 408-413.	14.0	37
26	Synthesis of a novel green fluorescent material Ca ₃ Al ₂ O ₆ :Tb ³⁺ based on a layered double hydroxide precursor. Russian Journal of Physical Chemistry A, 2015, 89, 1500-1503.	0.6	1
27	Geminal Brønsted Acid Ionic Liquids as Catalysts for the Mannich Reaction in Water. International Journal of Molecular Sciences, 2014, 15, 8656-8666.	4.1	23
28	A novel method to determine the concentration of VOCs at atmospheric pressure. RSC Advances, 2014, 4, 16449-16455.	3.6	1
29	Brønsted acid-surfactant-combined catalyst for the Mannich reaction in water. RSC Advances, 2014, 4, 727-731.	3.6	40
30	In vitro controlled release of vitamin C from Ca/Al layered double hydroxide drug delivery system. Materials Science and Engineering C, 2014, 39, 56-60.	7.3	43
31	Biodiesel synthesis from the esterification of free fatty acids and alcohol catalyzed by long-chain Brønsted acid ionic liquid. Catalysis Science and Technology, 2013, 3, 1102.	4.1	66
32	Bifunctional Chiral Catalyst for the Synthesis of Chiral Cyclic Carbonates from Carbon Dioxide and Epoxides. ChemCatChem, 2009, 1, 379-383.	3.7	117