

Dinghua Yu

List of Publications by Year in descending order

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Version: 2024-02-01

32
papers

1,341
citations

331670

21
h-index

434195

31
g-index

32
all docs

32
docs citations

32
times ranked

1503
citing authors

#	ARTICLE	IF	CITATIONS
1	Efficient dehydration of bio-based 2,3-butanediol to butanone over boric acid modified HZSM-5 zeolites. <i>Green Chemistry</i> , 2012, 14, 3441.	9.0	92
2	Potassium modified NaY: A selective and durable catalyst for dehydration of lactic acid to acrylic acid. <i>Catalysis Communications</i> , 2009, 10, 1345-1349.	3.3	90
3	Rare earth metal modified NaY: Structure and catalytic performance for lactic acid dehydration to acrylic acid. <i>Catalysis Communications</i> , 2008, 9, 1799-1803.	3.3	88
4	NaY Zeolites Catalyze Dehydration of Lactic Acid to Acrylic Acid: Studies on the Effects of Anions in Potassium Salts. <i>Industrial & Engineering Chemistry Research</i> , 2010, 49, 9082-9087.	3.7	85
5	Lanthanum phosphorous modified HZSM-5 catalysts in dehydration of ethanol to ethylene: A comparative analysis. <i>Catalysis Communications</i> , 2010, 11, 633-637.	3.3	84
6	Sulfated copper oxide: An efficient catalyst for dehydration of sorbitol to isosorbide. <i>Catalysis Communications</i> , 2011, 12, 544-547.	3.3	84
7	Immobilization of porcine pancreatic lipase onto ionic liquid modified mesoporous silica SBA-15. <i>Biochemical Engineering Journal</i> , 2010, 53, 150-153.	3.6	80
8	Metal (IV) Phosphates as Solid Catalysts for Selective Dehydration of Sorbitol to Isosorbide. <i>Catalysis Letters</i> , 2009, 133, 214-220.	2.6	75
9	Synthesis of functional ionic liquid modified magnetic chitosan nanoparticles for porcine pancreatic lipase immobilization. <i>Materials Science and Engineering C</i> , 2019, 96, 356-364.	7.3	61
10	Effect of preparation method on the structure and catalytic property of activated carbon supported nickel oxide catalysts. <i>Carbon</i> , 2010, 48, 4547-4555.	10.3	60
11	Alkaline Earth Metal Modified NaY for Lactic Acid Dehydration to Acrylic Acid: Effect of Basic Sites on the Catalytic Performance. <i>Chinese Journal of Catalysis</i> , 2011, 32, 405-411.	14.0	57
12	Enhancement of catalytic performance of porcine pancreatic lipase immobilized on functional ionic liquid modified Fe ₃ O ₄ -Chitosan nanocomposites. <i>International Journal of Biological Macromolecules</i> , 2018, 119, 624-632.	7.5	56
13	Effect of surface modification of low cost mesoporous SiO ₂ carriers on the properties of immobilized lipase. <i>Journal of Colloid and Interface Science</i> , 2014, 417, 210-216.	9.4	53
14	Synthesis of hyaluronic acid hydrogels by crosslinking the mixture of high-molecular-weight hyaluronic acid and low-molecular-weight hyaluronic acid with 1,4-butanediol diglycidyl ether. <i>RSC Advances</i> , 2020, 10, 7206-7213.	3.6	49
15	Functionalized ionic liquid modified mesoporous silica SBA-15: A novel, designable and efficient carrier for porcine pancreas lipase. <i>Colloids and Surfaces B: Biointerfaces</i> , 2011, 88, 93-99.	5.0	45
16	NaY zeolites modified by La ³⁺ and Ba ²⁺ : the effect of synthesis details on surface structure and catalytic performance for lactic acid to acrylic acid. <i>Journal of Rare Earths</i> , 2010, 28, 803-806.	4.8	41
17	Temperature-induced solid-phase oriented rearrangement route to the fabrication of NaNbO ₃ nanowires. <i>Chemical Communications</i> , 2010, 46, 427-429.	4.1	29
18	Immobilization of Candida antarctic lipase B on MWNTs modified by ionic liquids with different functional groups. <i>Colloids and Surfaces B: Biointerfaces</i> , 2017, 160, 416-422.	5.0	29

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19	Selective dehydration of bio-ethanol to ethylene catalyzed by lanthanum-phosphorous-modified HZSM-5: Influence of the fusel. <i>Biotechnology Journal</i> , 2010, 5, 1186-1191.	3.5	28
20	The effect of P/Ta ratio on sorbitol dehydration over modified tantalum oxide by phosphoric acid. <i>Catalysis Communications</i> , 2014, 43, 29-33.	3.3	26
21	Catalytic dehydration of 2,3-butanediol over P/HZSM-5: effect of catalyst, reaction temperature and reactant configuration on rearrangement products. <i>RSC Advances</i> , 2016, 6, 16988-16995.	3.6	23
22	Modification of Ni ₃ Y by La ₃ for the dehydration of lactic acid: The effect of preparation protocol on catalyst microstructure and catalytic performance. <i>Canadian Journal of Chemical Engineering</i> , 2011, 89, 484-490.	1.7	20
23	Effective synthesis of cis-3-hexen-1-yl acetate via transesterification over KOH/ γ -Al ₂ O ₃ : Structure and catalytic performance. <i>Applied Catalysis A: General</i> , 2013, 455, 1-7.	4.3	17
24	Synthesis and characterization of polyurethane rigid foams from polyether polyols with isosorbide as the bio-based starting agent. <i>Journal of Polymer Research</i> , 2018, 25, 1.	2.4	15
25	Near-Infrared-Fluorescent Probe for Turn-On Lipopolysaccharide Analysis Based on PEG-Modified Gold Nanorods with Plasmon-Enhanced Fluorescence. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 57058-57066.	8.0	11
26	Mono-acrylated isosorbide as a bio-based monomer for the improvement of thermal and mechanical properties of poly(methyl methacrylate). <i>RSC Advances</i> , 2019, 9, 35532-35538.	3.6	10
27	Surfactin-methylene blue complex under LED illumination for antibacterial photodynamic therapy: Enhanced methylene blue transcellular accumulation assisted by surfactin. <i>Colloids and Surfaces B: Biointerfaces</i> , 2021, 207, 111974.	5.0	10
28	Assembly of NaTaO ₃ porous microspheres via imperfect oriented attachment mechanism. <i>Solid State Sciences</i> , 2010, 12, 232-237.	3.2	7
29	Microencapsulated sunblock nanoparticles based on zeolitic imidazole frameworks for safe and effective UV protection. <i>RSC Advances</i> , 2018, 8, 12315-12321.	3.6	7
30	Acetoin modulates conformational change of surfactin: Interfacial assembly and crude oil-washing performance. <i>Colloids and Surfaces B: Biointerfaces</i> , 2021, 200, 111602.	5.0	7
31	Effect of Rhamnolipid Amidation on Biosurfactant Adsorption Loss and Oil-Washing Efficiency. <i>Langmuir</i> , 2022, 38, 2435-2444.	3.5	2
32	Immobilization of <i>Burkholderia Cepacia</i> Lipase on Functionalized Ionic Liquids Modified Mesoporous Silica SBA-15. <i>Chinese Journal of Catalysis</i> , 2013, 33, 1565-1571.	14.0	0