

Weizun Li

List of Publications by Year in descending order

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27
papers

1,327
citations

430874

18
h-index

526287

27
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all docs

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docs citations

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times ranked

1777
citing authors

#	ARTICLE	IF	CITATIONS
1	Enhancement of photocatalytic performance with the use of noble-metal-decorated TiO ₂ nanocrystals as highly active catalysts for aerobic oxidation under visible-light irradiation. <i>Applied Catalysis B: Environmental</i> , 2017, 210, 352-367.	20.2	144
2	Tin phosphate as a heterogeneous catalyst for efficient dehydration of glucose into 5-hydroxymethylfurfural in ionic liquid. <i>Applied Catalysis B: Environmental</i> , 2018, 224, 183-193.	20.2	142
3	Photocatalytic degradation of organic pollutants by MOFs based materials: A review. <i>Chinese Chemical Letters</i> , 2021, 32, 2975-2984.	9.0	133
4	Microwave-assisted ionic liquid synthesis of Ti ³⁺ self-doped TiO ₂ hollow nanocrystals with enhanced visible-light photoactivity. <i>Applied Catalysis B: Environmental</i> , 2016, 191, 94-105.	20.2	127
5	Pretreatment of Lignocellulosic Biomass with Ionic Liquids and Ionic Liquid-Based Solvent Systems. <i>Molecules</i> , 2017, 22, 490.	3.8	117
6	One-pot synthesis of sulfonated graphene oxide for efficient conversion of fructose into HMF. <i>RSC Advances</i> , 2016, 6, 104016-104024.	3.6	88
7	Efficient catalytic conversion of glucose into 5-hydroxymethylfurfural by aluminum oxide in ionic liquid. <i>Applied Catalysis B: Environmental</i> , 2019, 253, 1-10.	20.2	85
8	Anaerobic digestion. <i>Water Environment Research</i> , 2019, 91, 1253-1271.	2.7	58
9	Photoassisted highly efficient activation of persulfate over a single-atom Cu catalyst for tetracycline degradation: Process and mechanism. <i>Journal of Hazardous Materials</i> , 2022, 429, 128398.	12.4	58
10	An ionic liquid-organic solvent biphasic system for efficient production of 5-hydroxymethylfurfural from carbohydrates at high concentrations. <i>RSC Advances</i> , 2017, 7, 47288-47296.	3.6	56
11	Rapid production of organic fertilizer by dynamic high-temperature aerobic fermentation (DHAF) of food waste. <i>Bioresource Technology</i> , 2015, 197, 7-14.	9.6	35
12	Evaluation of the potential of pelletized biomass from different municipal solid wastes for use as solid fuel. <i>Waste Management</i> , 2018, 74, 260-266.	7.4	33
13	Research Progress and Application of Single-Atom Catalysts: A Review. <i>Molecules</i> , 2021, 26, 6501.	3.8	33
14	Gold nanoparticle-modified TiO ₂ /SBA-15 nanocomposites as active plasmonic photocatalysts for the selective oxidation of aromatic alcohols. <i>RSC Advances</i> , 2016, 6, 70352-70363.	3.6	30
15	Dissolution of cellulose from AFEX-pretreated <i>Zoysia japonica</i> in AMIMCl with ultrasonic vibration. <i>Carbohydrate Polymers</i> , 2013, 98, 412-420.	10.2	27
16	New Developments in Material Preparation Using a Combination of Ionic Liquids and Microwave Irradiation. <i>Nanomaterials</i> , 2019, 9, 647.	4.1	27
17	Efficient Synthesis of Furfural from Biomass Using SnCl ₄ as Catalyst in Ionic Liquid. <i>Molecules</i> , 2019, 24, 594.	3.8	25
18	Separation of polysaccharides from rice husk and wheat bran using solvent system consisting of BMIMOA _c and DMI. <i>Carbohydrate Polymers</i> , 2015, 133, 517-523.	10.2	23

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19	Microwave-assisted hydrothermal synthesis of Au/TiO ₂ /SBA-15 for enhanced visible-light photoactivity. <i>Materials Letters</i> , 2015, 159, 131-134.	2.6	20
20	Bio-catalytic transesterification of mustard oil for biodiesel production. <i>Biofuels</i> , 2022, 13, 69-76.	2.4	15
21	Cellulose extraction from <i>Zoysia japonica</i> pretreated by alumina-doped MgO in AMIMCl. <i>Carbohydrate Polymers</i> , 2014, 113, 1-8.	10.2	14
22	Coupling Plasmonic and Cocatalyst Nanoparticles on Nâ€“TiO ₂ for Visible-Light-Driven Catalytic Organic Synthesis. <i>Nanomaterials</i> , 2019, 9, 391.	4.1	14
23	The Effects of Biomass Solid Waste Resources Technology in Economic Development. <i>Energy Procedia</i> , 2011, 5, 2455-2460.	1.8	8
24	Starved <i>Spirodela polyrhiza</i> and <i>Saccharomyces cerevisiae</i> : a potent combination for sustainable bioethanol production. <i>Biomass Conversion and Biorefinery</i> , 2021, 11, 1665-1674.	4.6	7
25	Evaluation of pharmaceutical activities of G-protein coupled receptor targeted pharmaceuticals in Chinese wastewater effluent. <i>Chinese Chemical Letters</i> , 2020, 31, 2859-2863.	9.0	5
26	Influence of solid alkali application on corn stalk dissolution and degradation in solvent systems. <i>Polymer Degradation and Stability</i> , 2015, 120, 98-106.	5.8	2
27	Enhanced CH ₄ Production from Corn-Stalk Pyrolysis Using Ni-5CeO ₂ /MCM-41 as a Catalyst. <i>Energies</i> , 2019, 12, 774.	3.1	1