

Yonghai Feng

List of Publications by Year in descending order

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44
papers

1,864
citations

361413
20
h-index

254184
43
g-index

44
all docs

44
docs citations

44
times ranked

2519
citing authors

#	ARTICLE	IF	CITATIONS
1	Cofactors-like peptide self-assembly exhibiting the enhanced catalytic activity in the peptide-metal nanocatalysts. <i>Journal of Colloid and Interface Science</i> , 2022, 617, 511-524.	9.4	8
2	Efficient nanozyme engineering for antibacterial therapy. <i>Materials Futures</i> , 2022, 1, 023502.	8.4	12
3	Rationally constructing of a novel 2D/2D WO ₃ /Pt/g-C ₃ N ₄ Schottky-Ohmic junction towards efficient visible-light-driven photocatalytic hydrogen evolution and mechanism insight. <i>Journal of Colloid and Interface Science</i> , 2021, 586, 576-587.	9.4	46
4	A multi-functional photothermal-catalytic foam for cascade treatment of saline wastewater. <i>Journal of Materials Chemistry A</i> , 2021, 9, 16510-16521.	10.3	19
5	Apoptosis-like bacterial death modulated by photoactive hyperthermia nanomaterials and enhanced wound disinfection application. <i>Nanoscale</i> , 2021, 13, 14785-14794.	5.6	12
6	Core/shell structural ultra-small gold and amyloid peptide nanocomposites with effective bacterial surface adherence and enhanced antibacterial photothermal ablation. <i>Smart Materials in Medicine</i> , 2021, 2, 46-55.	6.7	12
7	Nature-mimicking fabrication of antifouling photocatalytic membrane based on Ti/BiOI and polydopamine for synergistically enhanced photocatalytic degradation of tetracycline. <i>Korean Journal of Chemical Engineering</i> , 2021, 38, 442-453.	2.7	8
8	A dynamic electrochemical cell sensor for selective capture, rapid detection and noninvasive release of tumor cells. <i>Sensors and Actuators B: Chemical</i> , 2021, 330, 129345.	7.8	9
9	Modulating depth of 1,2-propanediol oxidation over La(III) doped MCM-41 supported binary Pd and Bi nanoparticles for selective production of C ₃ carbonyl compounds. <i>Applied Surface Science</i> , 2021, 554, 149528.	6.1	2
10	A novel mixed matrix polysulfone membrane for enhanced ultrafiltration and photocatalytic self-cleaning performance. <i>Journal of Colloid and Interface Science</i> , 2021, 599, 178-189.	9.4	27
11	LDHs-based 3D modular foam with double metal-fluorine interaction for efficiently promoting peroxymonosulfate activation in water pollutant control. <i>Chemical Engineering Journal</i> , 2021, 425, 131541.	12.7	16
12	A controllable floating pDA-PVDF bead for enhanced decomposition of H ₂ O ₂ and degradation of dyes. <i>Chemical Engineering Journal</i> , 2020, 385, 123907.	12.7	49
13	Spinel copper-iron-oxide magnetic nanoparticles with cooperative Cu and Cu sites for enhancing the catalytic transformation of 1,2-propanediol to lactic acid under anaerobic conditions. <i>Catalysis Science and Technology</i> , 2020, 10, 8094-8107.	4.1	8
14	Study of enhanced photocatalytic performance mechanisms towards a new binary-Bi heterojunction with spontaneously formed interfacial defects. <i>Applied Surface Science</i> , 2020, 532, 147412.	6.1	15
15	Self-Assembled Peptide Nanofibrils Designed to Release Membrane-Lysing Antimicrobial Peptides. <i>ACS Applied Bio Materials</i> , 2020, 3, 3648-3655.	4.6	19
16	Synergy between van der waals heterojunction and vacancy in ZnIn ₂ S ₄ /g-C ₃ N ₄ 2D/2D photocatalysts for enhanced photocatalytic hydrogen evolution. <i>Applied Catalysis B: Environmental</i> , 2020, 277, 119254.	20.2	316
17	Bioclickable and mussel adhesive peptide mimics for engineering vascular stent surfaces. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 16127-16137.	7.1	99
18	Disassembling and degradation of amyloid protein aggregates based on gold nanoparticle-modified g-C ₃ N ₄ . <i>Colloids and Surfaces B: Biointerfaces</i> , 2020, 192, 111051.	5.0	16

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19	A Magnetic Dynamic Microbiointerface with Biofeedback Mechanism for Cancer Cell Capture and Release. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 41019-41029.	8.0	25
20	An injectable self-healing coordinative hydrogel with antibacterial and angiogenic properties for diabetic skin wound repair. <i>NPG Asia Materials</i> , 2019, 11, .	7.9	260
21	Mesoporous Sn(IV) doping MCM-41 supported Pd nanoparticles for enhanced selective catalytic oxidation of 1,2-propanediol to pyruvic acid. <i>Applied Catalysis B: Environmental</i> , 2019, 253, 111-120.	20.2	32
22	Changing conventional blending photocatalytic membranes (BPMs): Focus on improving photocatalytic performance of Fe ₃ O ₄ /g-C ₃ N ₄ /PVDF membranes through magnetically induced freezing casting method. <i>Chemical Engineering Journal</i> , 2019, 365, 405-414.	12.7	165
23	Reduced Graphene Oxide Functionalized with Gold Nanostar Nanocomposites for Synergistically Killing Bacteria through Intrinsic Antimicrobial Activity and Photothermal Ablation. <i>ACS Applied Bio Materials</i> , 2019, 2, 747-756.	4.6	68
24	Advances in Molecularly Imprinting Technology for Bioanalytical Applications. <i>Sensors</i> , 2019, 19, 177.	3.8	47
25	Bioinspired Synthesis of Au Nanostructures Templated from Amyloid β Peptide Assembly with Enhanced Catalytic Activity. <i>Biomacromolecules</i> , 2018, 19, 2432-2442.	5.4	36
26	Dual-functional peptide conjugated gold nanorods for the detection and photothermal ablation of pathogenic bacteria. <i>Journal of Materials Chemistry B</i> , 2018, 6, 7643-7651.	5.8	50
27	Evaluation of the photo-degradation of Alzheimer's amyloid fibrils with a label-free approach. <i>Chemical Communications</i> , 2018, 54, 13084-13087.	4.1	15
28	Photothermal lysis of pathogenic bacteria by platinum nanodots decorated gold nanorods under near infrared irradiation. <i>Journal of Hazardous Materials</i> , 2018, 342, 121-130.	12.4	67
29	Photoactive antimicrobial nanomaterials. <i>Journal of Materials Chemistry B</i> , 2017, 5, 8631-8652.	5.8	152
30	Catalytic Oxidation of 1,2-Propanediol to Lactic Acid with O ₂ Under Atmospheric Pressure Over Pd-Ag Bimetallic Nanoparticles and Reaction Kinetics. <i>Journal of Nanoscience and Nanotechnology</i> , 2016, 16, 9621-9633.	0.9	15
31	Catalytic Oxidation of 1,2-Propanediol over Bimetallic Cu@Au Core/Shell Nanoparticles. <i>Catalysis Letters</i> , 2016, 146, 1139-1152.	2.6	22
32	Coupling reaction between methanol dehydrogenation and maleic anhydride hydrogenation over zeolite-supported copper catalysts. <i>Canadian Journal of Chemical Engineering</i> , 2015, 93, 1107-1118.	1.7	16
33	Selective oxidation of 1,2-propanediol to lactic acid catalyzed by hydroxyapatite-supported Pd and Pd-Ag nanoparticles. <i>RSC Advances</i> , 2015, 5, 106918-106929.	3.6	24
34	Selectively catalytic oxidation of 1,2-propanediol to lactic, formic, and acetic acids over Ag nanoparticles under mild reaction conditions. <i>Journal of Catalysis</i> , 2015, 326, 26-37.	6.2	24
35	Catalytic Chlorination of Methylphenyldichlorosilane to Chlorinated Methylphenyldichlorosilanes over Ionic Liquids, [BMIM]Cl, [Et ₃ NH]Cl, and [BPy]Cl·MCl (M = Al, Fe, and Zn). <i>Industrial & Engineering Chemistry Research</i> , 2015, 54, 6619-6626.	3.7	10
36	Reduction of 3-nitro-4-methoxy-acetylaniline to 3-amino-4-methoxy-acetylaniline catalyzed by metallic Cu nanoparticles at low reaction temperature. <i>Chemical Engineering Journal</i> , 2015, 262, 427-435.	12.7	14

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37	Preparation of composite α -imprinted alumina membrane for effective separation of <i>p</i> -hydroxybenzoic acid from its isomer using Box-Cox Behnken design-based statistical modeling. <i>Journal of Applied Polymer Science</i> , 2014, 131, .	2.6	5
38	Reaction kinetics of the esterification reaction between ethanol and acetic acid catalyzed by Keggin heteropolyacids. <i>Reaction Kinetics, Mechanisms and Catalysis</i> , 2014, 111, 15-27.	1.7	12
39	Introduction of an ordered porous polymer network into a ceramic alumina membrane via non-hydrolytic sol-gel methodology for targeted dynamic separation. <i>RSC Advances</i> , 2014, 4, 38630-38642.	3.6	4
40	Preparation, characterization, and adsorption performance of <i>p</i> -hydroxybenzoic acid imprinted polymer and selective catalysis of toluene to para-chlorotoluene. <i>Journal of Applied Polymer Science</i> , 2014, 131, .	2.6	6
41	Preparation of Titanate Whiskers Starting from Metatitanic Acid and Their Adsorption Performances for Cu(II), Pb(II), and Cr(III) Ions. <i>Water, Air, and Soil Pollution</i> , 2014, 225, 1.	2.4	10
42	Selective oxidation of 1,2-propanediol to lactic acid catalyzed by hydroxylapatite nanorod-supported Au/Pd bimetallic nanoparticles under atmospheric pressure. <i>Journal of Catalysis</i> , 2014, 316, 67-77.	6.2	53
43	Selective oxidation of 1,2-propanediol to lactic acid catalyzed by nanosized Mg(OH) ₂ -supported bimetallic Au-Pd catalysts. <i>Applied Catalysis A: General</i> , 2014, 482, 49-60.	4.3	29
44	Methylation of methyltrichlorosilane with methyl chloride over active metals and activated carbon. <i>Korean Journal of Chemical Engineering</i> , 2011, 28, 2250-2254.	2.7	10