Yonghai Feng

List of Publications by Year
in descending order

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	Synergy between van der waals heterojunction and vacancy in ZnIn2S4/g-C3N4 2D/2D photocatalysts for enhanced photocatalytic hydrogen evolution. Applied Catalysis B: Environmental, 2020, 277, 119254.	20.2	316
2	An injectable self-healing coordinative hydrogel with antibacterial and angiogenic properties for diabetic skin wound repair. NPG Asia Materials, 2019, 11, .	7.9	260
3	Changing conventional blending photocatalytic membranes (BPMs): Focus on improving photocatalytic performance of Fe3O4/g-C3N4/PVDF membranes through magnetically induced freezing casting method. Chemical Engineering Journal, 2019, 365, 405-414.	12.7	165
4	Photoactive antimicrobial nanomaterials. Journal of Materials Chemistry B, 2017, 5, 8631-8652.	5.8	152
5	Bioclickable and mussel adhesive peptide mimics for engineering vascular stent surfaces. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 16127-16137.	7.1	99
6	Reduced Graphene Oxide Functionalized with Gold Nanostar Nanocomposites for Synergistically Killing Bacteria through Intrinsic Antimicrobial Activity and Photothermal Ablation. ACS Applied Bio Materials, 2019, 2, 747-756.	4.6	68
7	Photothermal lysis of pathogenic bacteria by platinum nanodots decorated gold nanorods under near infrared irradiation. Journal of Hazardous Materials, 2018, 342, 121-130.	12.4	67
8	Selective oxidation of 1,2-propanediol to lactic acid catalyzed by hydroxylapatite nanorod-supported Au/Pd bimetallic nanoparticles under atmospheric pressure. Journal of Catalysis, 2014, 316, 67-77.	6.2	53
9	Dual-functional peptide conjugated gold nanorods for the detection and photothermal ablation of pathogenic bacteria. Journal of Materials Chemistry B, 2018, 6, 7643-7651.	5.8	50
10	A controllable floating pDA-PVDF bead for enhanced decomposition of H2O2 and degradation of dyes. Chemical Engineering Journal, 2020, 385, 123907.	12.7	49
11	Advances in Molecularly Imprinting Technology for Bioanalytical Applications. Sensors, 2019, 19, 177.	3.8	47
12	Rationally constructing of a novel 2D/2D WO3/Pt/g-C3N4 Schottky-Ohmic junction towards efficient visible-light-driven photocatalytic hydrogen evolution and mechanism insight. Journal of Colloid and Interface Science, 2021, 586, 576-587.	9.4	46
13	Bioinspired Synthesis of Au Nanostructures Templated from Amyloid Î² Peptide Assembly with Enhanced Catalytic Activity. Biomacromolecules, 2018, 19, 2432-2442.	5.4	36
14	Mesoporous Sn(IV) doping MCM-41 supported Pd nanoparticles for enhanced selective catalytic oxidation of 1,2-propanediol to pyruvic acid. Applied Catalysis B: Environmental, 2019, 253, 111-120.	20.2	32
15	Selective oxidation of 1,2-propanediol to lactic acid catalyzed by nanosized Mg(OH)2-supported bimetallic Auâ€“Pd catalysts. Applied Catalysis A: General, 2014, 482, 49-60.	4.3	29
16	A novel mixed matrix polysulfone membrane for enhanced ultrafiltration and photocatalytic self-cleaning performance. Journal of Colloid and Interface Science, 2021, 599, 178-189.	9.4	27
17	A Magnetic Dynamic Microbiointerface with Biofeedback Mechanism for Cancer Cell Capture and Release. ACS Applied Materials & Interfaces, 2019, 11, 41019-41029.	8.0	25
18	Selective oxidation of 1,2-propanediol to lactic acid catalyzed by hydroxyapatite-supported Pd and Pdâ€“Ag nanoparticles. RSC Advances, 2015, 5, 106918-106929.	3.6	24

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19	Selectively catalytic oxidation of 1,2-propanediol to lactic, formic, and acetic acids over Ag nanoparticles under mild reaction conditions. Journal of Catalysis, 2015, 326, 26-37.	6.2	24
20	Catalytic Oxidation of 1,2-Propanediol over Bimetallic Cu@Au Core/Shell Nanoparticles. Catalysis Letters, 2016, 146, 1139-1152.	2.6	22
21	Self-Assembled Peptide Nanofibrils Designed to Release Membrane-Lysing Antimicrobial Peptides. ACS Applied Bio Materials, 2020, 3, 3648-3655.	4.6	19
22	A multi-functional photothermal-catalytic foam for cascade treatment of saline wastewater. Journal of Materials Chemistry A, 2021, 9, 16510-16521.	10.3	19
23	Coupling reaction between methanol dehydrogenation and maleic anhydride hydrogenation over zeoliteâ€supported copper catalysts. Canadian Journal of Chemical Engineering, 2015, 93, 1107-1118.	1.7	16
24	Disassembling and degradation of amyloid protein aggregates based on gold nanoparticle-modified g-C3N4. Colloids and Surfaces B: Biointerfaces, 2020, 192, 111051.	5.0	16
25	LDHs-based 3D modular foam with double metal-fluorine interaction for efficiently promoting peroxymonosulfate activation in water pollutant control. Chemical Engineering Journal, 2021, 425, 131541.	12.7	16
26	Catalytic Oxidation of 1,2-Propanediol to Lactic Acid with O₂ Under Atmospheric Pressure Over Pdâ€“Ag Bimetallic Nanoparticles and Reaction Kinetics. Journal of Nanoscience and Nanotechnology, 2016, 16, 9621-9633.	0.9	15
27	Evaluation of the photo-degradation of Alzheimer's amyloid fibrils with a label-free approach. Chemical Communications, 2018, 54, 13084-13087.	4.1	15
28	Study of enhanced photocatalytic performance mechanisms towards a new binary-Bi heterojunction with spontaneously formed interfacial defects. Applied Surface Science, 2020, 532, 147412.	6.1	15
29	Reduction of 3-nitro-4-methoxy-acetylaniline to 3-amino-4-methoxy-acetylaniline catalyzed by metallic Cu nanoparticles at low reaction temperature. Chemical Engineering Journal, 2015, 262, 427-435.	12.7	14
30	Reaction kinetics of the esterification reaction between ethanol and acetic acid catalyzed by Keggin heteropolyacids. Reaction Kinetics, Mechanisms and Catalysis, 2014, 111, 15-27.	1.7	12
31	Apoptosis-like bacterial death modulated by photoactive hyperthermia nanomaterials and enhanced wound disinfection application. Nanoscale, 2021, 13, 14785-14794.	5.6	12
32	Core/shell structural ultra-small gold and amyloid peptide nanocomposites with effective bacterial surface adherence and enhanced antibacterial photothermal ablation. Smart Materials in Medicine, 2021, 2, 46-55.	6.7	12
33	Efficient nanozyme engineering for antibacterial therapy. Materials Futures, 2022, 1, 023502.	8.4	12
34	Methylation of methyltrichlorosilane with methyl chloride over active metals and activated carbon. Korean Journal of Chemical Engineering, 2011, 28, 2250-2254.	2.7	10
35	Preparation of Titanate Whiskers Starting from Metatitanic Acid and Their Adsorption Performances for Cu(II), Pb(II), and Cr(III) Ions. Water, Air, and Soil Pollution, 2014, 225, 1.	2.4	10
36	Catalytic Chlorination of Methylphenyldichlorosilane to Chlorinated Methylphenyldichlorosilanes over Ionic Liquids, [BMIM]Clâ€“, [Et₃NH]Clâ€“, and [BPy]Clâ€“nMCl_x (M = Al, Fe, and Zn). Industrial & Engineering Chemistry Research, 2015, 54, 6619-6626.	3.7	10

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37	A dynamic electrochemical cell sensor for selective capture, rapid detection and noninvasive release of tumor cells. Sensors and Actuators B: Chemical, 2021, 330, 129345.	7.8	9
38	Spinel copperâ€“iron-oxide magnetic nanoparticles with cooperative Cu(<scp>i</scp>) and Cu(<scp>ii</scp>) sites for enhancing the catalytic transformation of 1,2-propanediol to lactic acid under anaerobic conditions. Catalysis Science and Technology, 2020, 10, 8094-8107.	4.1	8
39	Nature-mimicking fabrication of antifouling photocatalytic membrane based on Ti/BiOI and polydopamine for synergistically enhanced photocatalytic degradation of tetracycline. Korean Journal of Chemical Engineering, 2021, 38, 442-453.	2.7	8
40	Cofactors-like peptide self-assembly exhibiting the enhanced catalytic activity in the peptide-metal nanocatalysts. Journal of Colloid and Interface Science, 2022, 617, 511-524.	9.4	8
41	Preparation, characterization, and adsorption performance of pâ€hydroxybenzoic acid imprinted polymer and selective catalysis of toluene to paraâ€chlorotoluene. Journal of Applied Polymer Science, 2014, 131, .	2.6	6
42	Preparation of compositeâ€imprinted alumina membrane for effective separation of pâ€hydroxybenzonic acid from its isomer using Boxâ€“Behnken designâ€“based statistical modeling. Journal of Applied Polymer Science, 2014, 131, .	2.6	5
43	Introduction of an ordered porous polymer network into a ceramic alumina membrane via non-hydrolytic solâ€“gel methodology for targeted dynamic separation. RSC Advances, 2014, 4, 38630-38642.	3.6	4
44	Modulating depth of 1,2-propanediol oxidation over La(III) doped MCM-41 supported binary Pd and Bi nanoparticles for selective production of C3 carbonyl compounds. Applied Surface Science, 2021, 554, 149528.	6.1	2