Jianyu Gong

List of Publications by Year
in descending order

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36 papers	1,306 citations	279487 23 h-index	344852 36 g-index
36 all docs	36 docs citations	36 times ranked	2007 citing authors

#	Article	IF	Citations
1	Liquid phase deposition of tungsten doped TiO2 films for visible light photoelectrocatalytic degradation of dodecyl-benzenesulfonate. Chemical Engineering Journal, 2011, 167, 190-197.	6.6	92
2	Influence of yolk-shell Au@TiO2 structure induced photocatalytic activity towards gaseous pollutant degradation under visible light. Applied Catalysis B: Environmental, 2019, 251, 57-65.	10.8	89
3	Carboxymethyl cellulose coating decreases toxicity and oxidizing capacity of nanoscale zerovalent iron. Chemosphere, 2014, 104, 155-161.	4.2	85
4	The promoting role of bismuth for the enhanced photocatalytic oxidation of lignin on Pt-TiO2 under solar light illumination. Applied Catalysis B: Environmental, 2017, 204, 296-303.	10.8	80
5	Oxygen vacancies enhanced photocatalytic activity towards VOCs oxidation over Pt deposited Bi2WO6 under visible light. Journal of Hazardous Materials, 2020, 384, 121478.	6.5	75
6	Novel one-step preparation of tungsten loaded TiO2 nanotube arrays with enhanced photoelectrocatalytic activity for pollutant degradation and hydrogen production. Catalysis Communications, 2013, 36, 89-93.	1.6	58
7	Fabrication of novel oxygen-releasing alginate beads as an efficient oxygen carrier for the enhancement of aerobic bioremediation of 1,4-dioxane contaminated groundwater. Bioresource Technology, 2014, 171, 59-65.	4.8	58
8	Synthesis of Z-scheme g-C3N4/Ag/Ag3PO4 composite for enhanced photocatalytic degradation of phenol and selective oxidation of gaseous isopropanol. Materials Research Bulletin, 2018, 107, 407-415.	2.7	58
9	Novel visible light enhanced Pyrite-Fenton system toward ultrarapid oxidation of p-nitrophenol: Catalytic activity, characterization and mechanism. Chemosphere, 2019, 228, 232-240.	4.2	55
10	Self-Generation of Reactive Oxygen Species on Crystalline AgBiO₃ for the Oxidative Remediation of Organic Pollutants. ACS Applied Materials & Interfaces, 2017, 9, 28426-28432.	4.0	49
11	Enhanced Electrochemical Reduction of N₂ to Ammonia over Pyrite FeS₂ with Excellent Selectivity. ACS Sustainable Chemistry and Engineering, 2020, 8, 10572-10580.	3.2	48
12	Origin of photocatalytic activity of W/N-codoped TiO2: H2 production and DFT calculation with GGA+U. Applied Catalysis B: Environmental, 2014, 152-153, 73-81.	10.8	43
13	Tungsten and nitrogen co-doped TiO2 electrode sensitized with Feâ€“chlorophyllin for visible light photoelectrocatalysis. Chemical Engineering Journal, 2012, 209, 94-101.	6.6	42
14	Simulation of the performance of aerobic granular sludge SBR using modified ASM3 model. Bioresource Technology, 2013, 127, 473-481.	4.8	39
15	Synthesis of BiVO4/WO3 composite film for highly efficient visible light induced photoelectrocatalytic oxidation of norfloxacin. Journal of Alloys and Compounds, 2019, 787, 284-294.	2.8	38
16	Enhanced oxidative activity of zero-valent iron by citric acid complexation. Chemical Engineering Journal, 2019, 373, 891-901.	6.6	37
17	Enhancing the reactivity of bimetallic Bi/Fe 0 by citric acid for remediation of polluted water. Journal of Hazardous Materials, 2016, 310, 135-142.	6.5	34
18	Zerovalent-Iron/Platinum Janus Micromotors with Spatially Separated Functionalities for Efficient Water Decontamination. ACS Applied Nano Materials, 2018, 1, 768-776.	2.4	32

#	Article	IF	Citations
19	A simple electrochemical oxidation method to prepare highly ordered Cr-doped titania nanotube arrays with promoted photoelectrochemical property. Electrochimica Acta, 2012, 68, 178-183.	2.6	31
20	Novel self-assembled bimetallic structure of Bi/Fe0: The oxidative and reductive degradation of hexahydro-1,3,5-trinitro-1,3,5-triazine (RDX). Journal of Hazardous Materials, 2015, 286, 107-117.	6.5	31
21	Molybdenumâ€“Tungsten Mixed Oxide Deposited into Titanium Dioxide Nanotube Arrays for Ultrahigh Rate Supercapacitors. ACS Applied Materials & Interfaces, 2017, 9, 18699-18709.	4.0	30
22	Facile synthesis of Pt assisted Bi-Bi2WO6â˜x with oxygen vacancies for the improved photocatalytic activity under visible light. Applied Surface Science, 2018, 459, 363-375.	3.1	30
23	The roles of suspended solids in persulfate/Fe2+ treatment of hydraulic fracturing wastewater: Synergistic interplay of inherent wastewater components. Chemical Engineering Journal, 2020, 388, 124243.	6.6	29
24	Highly Active Sb₂S₃-Attached Moâ€“WO₃ Composite Film for Enhanced Photoelectrocatalytic Water Splitting at Extremely Low Input Light Energy. ACS Sustainable Chemistry and Engineering, 2019, 7, 9172-9181.	3.2	21
25	Trace amounts of palladium-doped hollow TiO2 nanosphere as highly efficient electrocatalyst for hydrogen evolution reaction. International Journal of Hydrogen Energy, 2021, 46, 1923-1933.	3.8	21
26	Synergistic utilization of inherent halides and alcohols in hydraulic fracturing wastewater for radical-based treatment: A case study of di-(2-ethylhexyl) phthalate removal. Journal of Hazardous Materials, 2020, 384, 121321.	6.5	16
27	Photosensitized diastereoisomer-specific degradation of hexabromocyclododecane (HBCD) in the presence of humic acid in aquatic systems. Journal of Hazardous Materials, 2019, 369, 171-179.	6.5	15
28	Liquid phase deposition of mesoporous TiO2/DNA hybrid film: Characterization and photoelectrochemical investigation. Electrochimica Acta, 2010, 55, 3614-3620.	2.6	14
29	Ligand-Assisted Sequential Redox Degradation of Tetrabromobisphenol A Using Bimetallic Zero-Valent Iron Nanoparticles. Industrial & Engineering Chemistry Research, 2018, 57, 17329-17337.	1.8	12
30	A novel self-assembling nanoparticle of Agâ€“Bi with high reactive efficiency. Chemical Communications, 2014, 50, 8597-8600.	2.2	11
31	Photocatalytic production of dihydroxyacetone from glycerol on TiO₂in acetonitrile. RSC Advances, 2020, 10, 4956-4968.	1.7	11
32	Insight into Different Mechanisms for Oxidation of Liquid and Gaseous Pollutants by Biâ˜NaBiO₃ with or without Visible Light Illumination. ChemCatChem, 2019, 11, 2320-2328.	1.8	9
33	Insight into improved oxygen evolution reaction on electronic modulation of phosphorus doped NiCo2O4. Materials Today Communications, 2022, 31, 103708.	0.9	7
34	Fabrication of novel Ag4Bi2O5-x towards excellent photocatalytic oxidation of gaseous toluene under visible light irradiation. Environmental Research, 2021, 197, 111130.	3.7	4
35	Citrate iron complex induced dramatically enhanced oxidation of atrazine with bimetallic Bi/Fe0: Reactivity, oxidation and mechanism. Chemosphere, 2021, 282, 131100.	4.2	1
36	Bi/mZVI Combined with Citric Acid and Sodium Citrate to Mineralize Multiple Sulfa Antibiotics: Performance and Mechanism. Antibiotics, 2022, 11, 51.	1.5	1