Jiang-Bo Xi

List of Publications by Year
in descending order

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39 papers	2,432 citations	201674 27 h-index	289244 40 g-index
40 all docs	40 docs citations	40 times ranked	3654 citing authors

#	Article	IF	Citations
1	Pd Nanoparticles Decorated N-Doped Graphene Quantum Dots@N-Doped Carbon Hollow Nanospheres with High Electrochemical Sensing Performance in Cancer Detection. ACS Applied Materials & Interfaces, 2016, 8, 22563-22573.	8.0	161
2	Confined-interface-directed synthesis of Palladium single-atom catalysts on graphene/amorphous carbon. Applied Catalysis B: Environmental, 2018, 225, 291-297.	20.2	159
3	High loading MnO 2 nanowires on graphene paper: Facile electrochemical synthesis and use as flexible electrode for tracking hydrogen peroxide secretion in live cells. Analytica Chimica Acta, 2015, 853, 200-206.	5.4	146
4	Synthesis Strategies, Catalytic Applications, and Performance Regulation of Singleâ€Atom Catalysts. Advanced Functional Materials, 2021, 31, 2008318.	14.9	133
5	Ultra-small Fe2N nanocrystals embedded into mesoporous nitrogen-doped graphitic carbon spheres as a highly active, stable, and methanol-tolerant electrocatalyst for the oxygen reduction reaction. Nano Energy, 2016, 24, 121-129.	16.0	131
6	(Fe,Co)@nitrogen-doped graphitic carbon nanocubes derived from polydopamine-encapsulated metalâ€“organic frameworks as a highly stable and selective non-precious oxygen reduction electrocatalyst. Chemical Communications, 2015, 51, 10479-10482.	4.1	116
7	Encapsulating Pd Nanoparticles in Double-Shelled Graphene@Carbon Hollow Spheres for Excellent Chemical Catalytic Property. Scientific Reports, 2014, 4, 4053.	3.3	106
8	Magnetically recyclable nanocatalyst with synergetic catalytic effect and its application for 4-nitrophenol reduction and Suzuki coupling reactions. Carbon, 2018, 130, 806-813.	10.3	99
9	Fabrication of porphyrin-based magnetic covalent organic framework for effective extraction and enrichment of sulfonamides. Analytica Chimica Acta, 2019, 1089, 66-77.	5.4	99
10	N,P-dual-doped multilayer graphene as an efficient carbocatalyst for nitroarene reduction: A mechanistic study of metal-free catalysis. Journal of Catalysis, 2018, 359, 233-241.	6.2	90
11	Mussel-inspired Functionalization of Cotton for Nano-catalyst Support and Its Application in a Fixed-bed System with High Performance. Scientific Reports, 2016, 6, 21904.	3.3	88
12	Palladium Nanoparticles Anchored on Amine-Functionalized Silica Nanotubes as a Highly Effective Catalyst. Journal of Physical Chemistry C, 2018, 122, 2696-2703.	3.1	83
13	Ultrafine palladium nanoparticles supported on nitrogen-doped carbon microtubes as a high-performance organocatalyst. Carbon, 2017, 119, 326-331.	10.3	82
14	A hybrid material prepared by controlled growth of a covalent organic framework on amino-modified MIL-68 for pipette tip solid-phase extraction of sulfonamides prior to their determination by HPLC. Mikrochimica Acta, 2019, 186, 393.	5.0	79
15	Porous biochar-supported MnFe2O4 magnetic nanocomposite as an excellent adsorbent for simultaneous and effective removal of organic/inorganic arsenic from water. Journal of Hazardous Materials, 2021, 411, 124909.	12.4	77
16	Printing graphene-carbon nanotube-ionic liquid gel on graphene paper: Towards flexible electrodes with efficient loading of PtAu alloy nanoparticles for electrochemical sensing of blood glucose. Analytica Chimica Acta, 2016, 903, 61-68.	5.4	72
17	Pd-Fe dual-metal nanoparticles confined in the interface of carbon nanotubes/N-doped carbon for excellent catalytic performance. Applied Surface Science, 2019, 489, 477-484.	6.1	70
18	Ultrafine Pd Nanoparticles Encapsulated in Microporous Co₃O₄ Hollow Nanospheres for In Situ Molecular Detection of Living Cells. ACS Applied Materials & Interfaces, 2015, 7, 5583-5590.	8.0	69

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19	Coordination-Assisted Polymerization of Mesoporous Cobalt Sulfide/Heteroatom (N,S)-Doped Double-Layered Carbon Tubes as an Efficient Bifunctional Oxygen Electrocatalyst. ACS Applied Materials & Interfaces, 2018, 10, 33124-33134.	8.0	66
20	Pudding-typed cobalt sulfides/nitrogen and sulfur dual-doped hollow carbon spheres as a highly efficient and stable oxygen reduction electrocatalyst. Journal of Power Sources, 2017, 348, 183-192.	7.8	62
21	Raisin bread-like iron sulfides/nitrogen and sulfur dual-doped mesoporous graphitic carbon spheres: a promising electrocatalyst for the oxygen reduction reaction in alkaline and acidic media. Journal of Materials Chemistry A, 2017, 5, 11114-11123.	10.3	55
22	Continuous flow reduction of organic dyes over Pd-Fe alloy based fibrous catalyst in a fixed-bed system. Chemical Engineering Science, 2021, 231, 116303.	3.8	45
23	Substrate-Assisted Encapsulation of Pd-Fe Bimetal Nanoparticles on Functionalized Silica Nanotubes for Catalytic Hydrogenation of Nitroarenes and Azo Dyes. ACS Applied Nano Materials, 2021, 4, 5854-5863.	5.0	39
24	An ultra-low Pd loading nanocatalyst with efficient catalytic activity. Nanoscale, 2015, 7, 5510-5515.	5.6	34
25	Metal-free carbocatalyst for catalytic hydrogenation of N-containing unsaturated compounds. Journal of Catalysis, 2019, 377, 199-208.	6.2	31
26	Multi-element doping design of high-efficient carbocatalyst for electrochemical sensing of cancer cells. Sensors and Actuators B: Chemical, 2018, 273, 108-117.	7.8	28
27	High performance chiral separation materials based on chitosan bis(3,5-dimethylphenylcarbamate)-(alkyl urea)s. Carbohydrate Polymers, 2017, 156, 481-489.	10.2	27
28	Synergized Multimodal Therapy for Safe and Effective Reversal of Cancer Multidrug Resistance Based on Lowâ€Ł evel Photothermal and Photodynamic Effects. Small, 2018, 14, e1800785.	10.0	27
29	Novel combined method of biosorption and chemical precipitation for recovery of Pb2+ from wastewater. Environmental Science and Pollution Research, 2018, 25, 28705-28712.	5.3	26
30	Probing Activity Enhancement of Photothermal Catalyst under Near-Infrared Irradiation. Journal of Physical Chemistry Letters, 2021, 12, 3443-3448.	4.6	23
31	Novel Uniform Fe3O4 Hollow Spheres for Magnetic Solid-phase Extraction of Polycyclic Aromatic Hydrocarbons. Analytical Sciences, 2017, 33, 999-1005.	1.6	22
32	Structure screening and performance restoration of chiral separation materials based on chitosan derivatives. Carbohydrate Polymers, 2019, 214, 259-268.	10.2	17
33	N-Doped holey graphene assembled on fibrous aluminum silicate for efficient carbocatalysis in fixed-bed systems. Green Chemistry, 2022, 24, 5255-5262.	9.0	17
34	Dependence of enantioseparation performance on structure of chiral selectors derived from N-cycloalkylcarbonyl chitosan. Reactive and Functional Polymers, 2019, 141, 91-99.	4.1	12
35	Comparison in enantioseparation performance of chiral stationary phases prepared from chitosans of different sources and molecular weights. Journal of Chromatography A, 2020, 1621, 461029.	3.7	12
36	Singleâ€Atom Catalysts: Synthesis Strategies, Catalytic Applications, and Performance Regulation of Singleâ€Atom Catalysts (Adv. Funct. Mater. 12/2021). Advanced Functional Materials, 2021, 31, 2170081.	14.9	9

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37	3D nitrogen-doped carbon nanofoam arrays embedded with PdCu alloy nanoparticles: Assembling on flexible microelectrode for electrochemical detection in cancer cells. Analytica Chimica Acta, 2021, 1158, 338420.	5.4	9
38	A gold-nanodot-decorated hollow carbon nanosphere based nanoplatform for intracellular miRNA imaging in colorectal cancer cells. Chemical Communications, 2019, 55, 12352-12355.	4.1	7
39	Graphene-derived Materials for Metal-free Carbocatalysis of Organic Reactions. Acta Chimica Sinica, 2021, 79, 1360.	1.4	3