Longhua Ding

List of Publications by Year
in descending order

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30 papers	1,114 citations	394421 19 h-index	454955 30 g-index
30 all docs	30 docs citations	30 times ranked	1531 citing authors

#	Article	IF	Citations
1	Ultrathin Silica Membranes with Highly Ordered and Perpendicular Nanochannels for Precise and Fast Molecular Separation. ACS Nano, 2015, 9, 11266-11277.	14.6	133
2	Ni-Co-N hybrid porous nanosheets on graphene paper for flexible and editable asymmetric all-solid-state supercapacitors. Nano Energy, 2019, 61, 18-26.	16.0	107
3	Highly Ordered Binary Assembly of Silica Mesochannels and Surfactant Micelles for Extraction and Electrochemical Analysis of Trace Nitroaromatic Explosives and Pesticides. Analytical Chemistry, 2015, 87, 4436-4441.	6.5	100
4	Sensitive and rapid detection of microRNAs using hairpin probes-mediated exponential isothermal amplification. Biosensors and Bioelectronics, 2017, 89, 710-714.	10.1	75
5	Differential pulse voltammetry detection of dopamine and ascorbic acid by permselective silica mesochannels vertically attached to the electrode surface. Analyst, The, 2014, 139, 3926-3931.	3.5	72
6	Full Solarâ€Spectrumâ€Driven Antibacterial Therapy over Hierarchical Sn₃O₄/PDINH with Enhanced Photocatalytic Activity. Small, 2021, 17, e2102744.	10.0	64
7	Fluorescent carbon dots nanosensor for label-free determination of vitamin B12 based on inner filter effect. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2018, 193, 305-309.	3.9	53
8	A non-enzymatic hydrogen peroxide sensor based on platinum nanoparticleâ€“polyaniline nanocomposites hosted in mesoporous silica film. Journal of Electroanalytical Chemistry, 2015, 736, 83-87.	3.8	48
9	Label-free detection of microRNA based on the fluorescence quenching of silicon nanoparticles induced by catalyzed hairpin assembly coupled with hybridization chain reaction. Sensors and Actuators B: Chemical, 2018, 254, 370-376.	7.8	44
10	A photoelectrochemical sensor for hydrogen sulfide in cancer cells based on the covalently and in situ grafting of CdS nanoparticles onto TiO2 nanotubes. Journal of Electroanalytical Chemistry, 2016, 783, 176-181.	3.8	42
11	Top or Bottom, Assembling Modules Determine the Photocatalytic Property of the Sheetlike Nanostructured Hybrid Photocatalyst Composed with Sn₃O₄ and rGO (GQD). ACS Sustainable Chemistry and Engineering, 2018, 6, 11775-11782.	6.7	37
12	Synthesis of NiGa2O4 nanosheets for non-enzymatic glucose electrochemical sensor. Sensors and Actuators B: Chemical, 2019, 296, 126705.	7.8	36
13	Gold Nanoparticles Confined in Vertically Aligned Silica Nanochannels and Their Electrocatalytic Activity Toward Ascorbic Acid. Chemistry - A European Journal, 2014, 20, 12777-12780.	3.3	35
14	Vertically Oriented Silica Mesochannels as the Template for Electrodeposition of Polyaniline Nanostructures and Their Electrocatalytic and Electroanalytical Applications. Chemistry - A European Journal, 2014, 20, 1829-1833.	3.3	35
15	Electrochemical biosensor for p53 gene based on HRP-mimicking DNAzyme-catalyzed deposition of polyaniline coupled with hybridization chain reaction. Sensors and Actuators B: Chemical, 2018, 268, 210-216.	7.8	34
16	TiO₂/TiN core/shell nanobelts for efficient solar hydrogen generation. Chemical Communications, 2018, 54, 6056-6059.	4.1	30
17	Microflowers Comprised of Cu/Cu_xO/NC Nanosheets as Electrocatalysts and Horseradish Peroxidase Mimics. ACS Applied Nano Materials, 2020, 3, 617-623.	5.0	30
18	Determination of glucose by using fluorescent silicon nanoparticles and an inner filter caused by peroxidase-induced oxidation of o-phenylenediamine by hydrogen peroxide. Mikrochimica Acta, 2017, 184, 4531-4536.	5.0	25

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19	Crystalline Ni-Doped Sn₃O₄ Nanosheets for Photocatalytic H₂ Production. ACS Applied Nano Materials, 2020, 3, 9268-9275.	5.0	22
20	An electrochemiluminescence lab-on-paper device for sensitive detection of two antigens at the MCF-7 cell surface based on porous bimetallic AuPd nanoparticles. RSC Advances, 2016, 6, 16500-16506.	3.6	18
21	An â€œoff-onâ€•fluorescent sensor for copper ion using graphene quantum dots based on oxidation of l-cysteine. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2019, 214, 320-325.	3.9	17
22	Polyaniline Nanowire Arrays Deposited on Porous Carbon Derived from Raffia for Electrochemical Detection of Imidacloprid. Electroanalysis, 2021, 33, 2048-2052.	2.9	16
23	Vertically ordered silica mesochannels as preconcentration materials for the electrochemical detection of methylene blue. Science China Chemistry, 2015, 58, 1593-1599.	8.2	14
24	An electrochemistry assisted approach for fast, low-cost and gram-scale synthesis of mesoporous silica nanoparticles. RSC Advances, 2015, 5, 65922-65926.	3.6	10
25	Serendipity for Topological Insulator as Multifunctional Electrocatalyst. ACS Applied Energy Materials, 2020, 3, 8929-8936.	5.1	5
26	Enhanced Antibacterial Photocatalytic Activity of Porous Few-Layer C₃N₄. Journal of Nanoscience and Nanotechnology, 2020, 20, 5944-5950.	0.9	4
27	Spin-Gapless States in Two-Dimensional Molecular Ferromagnet Fe₂(TCNQ)₂. Journal of Physical Chemistry Letters, 2021, 12, 7921-7927.	4.6	4
28	Photoelectrochemical Clothianidin Detection Based on a WO₃/CdS Heterostructure Coated with a Molecularly Imprinted Thin Film. Analysis & Sensing, 2022, 2, .	2.0	2
29	CeO2 Nanocrystal Decorated TiO2 Nanobelt with Enhanced Photocatalytic Performance. Journal of Nanoscience and Nanotechnology, 2021, 21, 2647-2652.	0.9	1
30	Ferromagnetic coupling in a two-dimensional Cairo pentagonal Ni2(TCNQ)2 lattice. Journal of Materiomics, 2022, 8, 627-632.	5.7	1