

Donghai Lin

List of Publications by Year in descending order

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Version: 2024-02-01

30
papers

614
citations

623574

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h-index

610775

24
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docs citations

30
times ranked

730
citing authors

#	ARTICLE	IF	CITATIONS
1	Low-temperature and highly sensitivity H ₂ S gas sensor based on ZnO/CuO composite derived from bimetal metal-organic frameworks. <i>Ceramics International</i> , 2020, 46, 15858-15866.	2.3	92
2	An impedimetric biosensor for E. coli O157:H7 based on the use of self-assembled gold nanoparticles and protein G. <i>Mikrochimica Acta</i> , 2019, 186, 169.	2.5	54
3	A regenerating ultrasensitive electrochemical impedance immunosensor for the detection of adenovirus. <i>Biosensors and Bioelectronics</i> , 2015, 68, 129-134.	5.3	47
4	Electrochemical impedance study of the kinetics of hydrogen evolution at a rough palladium electrode in acidic solution. <i>Journal of Electroanalytical Chemistry</i> , 2017, 785, 190-195.	1.9	43
5	Poly(vinyl alcohol) Hydrogels: The Old and New Functional Materials. <i>International Journal of Polymer Science</i> , 2021, 2021, 1-16.	1.2	43
6	Preparation of Pt nanoparticles supported on ordered mesoporous carbon FDU-15 for electrocatalytic oxidation of CO and methanol. <i>Electrochimica Acta</i> , 2012, 67, 127-132.	2.6	29
7	Nanostructured indium tin oxide electrodes immobilized with toll-like receptor proteins for label-free electrochemical detection of pathogen markers. <i>Sensors and Actuators B: Chemical</i> , 2018, 257, 324-330.	4.0	27
8	Highly porous carbons with superior performance for CO ₂ capture through hydrogen-bonding interactions. <i>RSC Advances</i> , 2014, 4, 27414.	1.7	22
9	Nitrogen-doped porous carbon prepared from a liquid carbon precursor for CO ₂ adsorption. <i>RSC Advances</i> , 2015, 5, 45136-45143.	1.7	21
10	Silver Nanoparticles Confined in SBA-15 Mesoporous Silica and the Application as a Sensor for Detecting Hydrogen Peroxide. <i>Journal of Nanomaterials</i> , 2008, 2008, 1-10.	1.5	20
11	Polyethylenimine-coated iron oxide magnetic nanoparticles for high efficient gene delivery. <i>Applied Nanoscience (Switzerland)</i> , 2018, 8, 811-821.	1.6	18
12	Construction of a novel electrochemical biosensor based on a mesoporous silica/oriented graphene oxide planar electrode for detecting hydrogen peroxide. <i>Analytical Methods</i> , 2020, 12, 2661-2667.	1.3	18
13	Hierarchical Porous Tubular Biochar Based Sensor for Detection of Trace Lead (II). <i>Electroanalysis</i> , 2021, 33, 473-482.	1.5	18
14	Graphene oxide orientated by a magnetic field and application in sensitive detection of chemical oxygen demand. <i>Analytica Chimica Acta</i> , 2020, 1122, 31-38.	2.6	16
15	Enhanced ethanol oxidation over Pd nanoparticles supported porous graphene-doped MXene using polystyrene particles as sacrificial templates. <i>Rare Metals</i> , 2022, 41, 3170-3179.	3.6	16
16	Using Impedance Measurements to Characterize Surface Modified with Gold Nanoparticles. <i>Sensors</i> , 2017, 17, 2141.	2.1	15
17	Immuno-impedimetric Biosensor for Onsite Monitoring of Ascospores and Forecasting of Sclerotinia Stem Rot of Canola. <i>Scientific Reports</i> , 2018, 8, 12396.	1.6	14
18	Photonic Crystal-Embedded Molecularly Imprinted Contact Lenses for Controlled Drug Release. <i>ACS Applied Bio Materials</i> , 2022, 5, 243-251.	2.3	14

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19	Transfection of Difficult-to-Transfect Rat Primary Cortical Neurons with Magnetic Nanoparticles. <i>Journal of Biomedical Nanotechnology</i> , 2018, 14, 1654-1664.	0.5	13
20	Enhanced methanol oxidation on PtNi nanoparticles supported on silane-modified reduced graphene oxide. <i>International Journal of Hydrogen Energy</i> , 2022, 47, 6638-6649.	3.8	13
21	Non-invasive Point-of-Care Device To Diagnose Acute Mesenteric Ischemia. <i>ACS Sensors</i> , 2018, 3, 2296-2302.	4.0	12
22	Three-dimensional gold nanowires with high specific surface area for simultaneous detection of heavy metal ions. <i>Analytical Methods</i> , 2022, 14, 859-868.	1.3	11
23	Macroscopically Oriented Magnetic Core-regularized Nanomaterials for Glucose Biosensors Assisted by Self-sacrificial Label. <i>Electroanalysis</i> , 2021, 33, 2216-2225.	1.5	9
24	Yb ³⁺ , Er ³⁺ co-doped NaGdF ₄ /BiVO ₄ embedded Cu ₂ O photocathodes for photoelectrochemical water reduction with near infrared light. <i>Applied Surface Science</i> , 2022, 585, 152650.	3.1	8
25	Copper Ion Imprinted Hydrogel Photonic Crystal Sensor Film. <i>ACS Applied Polymer Materials</i> , 2022, 4, 4568-4575.	2.0	7
26	Graphene Oxide-Based Biosensors. , 0, , .		6
27	Observation of suppressed photocurrent of plasmonic Au on TiO ₂ by a double light beam method. <i>International Journal of Hydrogen Energy</i> , 2021, 46, 5045-5052.	3.8	5
28	Magnetically aligned graphite flakes electrodes for excellent sensitive detection of hydroquinone and catechol. <i>Chemical Papers</i> , 2022, 76, 6323-6333.	1.0	2
29	Strand Displacement Amplification for Multiplex Detection of Nucleic Acids. , 2019, , .		1
30	Cesium lead iodide electrospun fibrous membranes for white light-emitting diodes. <i>Nanotechnology</i> , 0, , .	1.3	0