Jianjun Wei

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/3668324/publications.pdf

Version: 2024-02-01

68	2,003	236833	254106
papers	citations	25 h-index	43 g-index

70	70	70	2541
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	An enhanced LSPR fiber-optic nanoprobe for ultrasensitive detection of protein biomarkers. Biosensors and Bioelectronics, 2014, 61, 95-101.	5.3	173
2	Direct Wiring of Cytochromec's Heme Unit to an Electrode:Â Electrochemical Studies. Journal of the American Chemical Society, 2002, 124, 9591-9599.	6.6	144
3	Charge-Transfer Mechanism for CytochromecAdsorbed on Nanometer Thick Films. Distinguishing Frictional Control from Conformational Gating. Journal of the American Chemical Society, 2003, 125, 7704-7714.	6.6	124
4	Electron-Transfer Dynamics of Cytochrome C: A Change in the Reaction Mechanism with Distance. Angewandte Chemie - International Edition, 2002, 41, 4700-4703.	7.2	80
5	Improved supercapacitor performance of MnO2-electrospun carbon nanofibers electrodes by mT magnetic field. Journal of Power Sources, 2017, 358, 22-28.	4.0	80
6	Recent advances in surface-enhanced raman spectroscopy (SERS): Finite-difference time-domain (FDTD) method for SERS and sensing applications. TrAC - Trends in Analytical Chemistry, 2016, 75, 162-173.	5.8	75
7	Probing Electron Tunneling Pathways:Â Electrochemical Study of Rat Heart Cytochromecand Its Mutant on Pyridine-Terminated SAMs. Journal of Physical Chemistry B, 2004, 108, 16912-16917.	1.2	68
8	New nitrogen-rich azo-bridged porphyrin-conjugated microporous networks for high performance of gas capture and storage. RSC Advances, 2016, 6, 30048-30055.	1.7	66
9	Magnetic Fieldâ€Enhanced 4â€Electron Pathway for Wellâ€Aligned Co₃O₄/Electrospun Carbon Nanofibers in the Oxygen Reduction Reaction. ChemSusChem, 2018, 11, 580-588.	3.6	65
10	Surface-Enhanced Resonance Raman Spectroscopic and Electrochemical Study of Cytochrome c Bound on Electrodes through Coordination with Pyridinyl-Terminated Self-Assembled Monolayers. Journal of Physical Chemistry B, 2004, 108, 2261-2269.	1.2	62
11	Label-free detection of DNA hybridization with a compact LSPR-based fiber-optic sensor. Analyst, The, 2017, 142, 1974-1981.	1.7	61
12	Molecular Chirality and Charge Transfer through Self-Assembled Scaffold Monolayers. Journal of Physical Chemistry B, 2006, 110, 1301-1308.	1.2	58
13	Electrochemical Study of DPPH Radical Scavenging for Evaluating the Antioxidant Capacity of Carbon Nanodots. Journal of Physical Chemistry C, 2017, 121, 18635-18642.	1.5	56
14	A fluorescence-electrochemical study of carbon nanodots (CNDs) in bio- and photoelectronic applications and energy gap investigation. Physical Chemistry Chemical Physics, 2017, 19, 20101-20109.	1.3	53
15	Tuning the Functional Groups on Carbon Nanodots and Antioxidant Studies. Molecules, 2019, 24, 152.	1.7	49
16	Elemental Core Level Shift in High Entropy Alloy Nanoparticles via X-ray Photoelectron Spectroscopy Analysis and First-Principles Calculation. ACS Nano, 2020, 14, 17704-17712.	7.3	48
17	Nanostructured optical microchips for cancer biomarker detection. Biosensors and Bioelectronics, 2012, 38, 382-388.	5.3	46
18	Antioxidant Capacity of Nitrogen and Sulfur Codoped Carbon Nanodots. ACS Applied Nano Materials, 2018, 1, 2699-2708.	2.4	46

#	Article	IF	Citations
19	Uniformly electrodeposited Î±-MnO2 film on super-aligned electrospun carbon nanofibers for a bifunctional catalyst design in oxygen reduction reaction. Electrochimica Acta, 2017, 256, 232-240.	2.6	42
20	Highly water-soluble, near-infrared emissive BODIPY polymeric dye bearing RGD peptide residues for cancer imaging. Analytica Chimica Acta, 2013, 758, 138-144.	2.6	40
21	Binary MnO₂/Co₃O₄Metal Oxides Wrapped on Superaligned Electrospun Carbon Nanofibers as Binder Free Supercapacitor Electrodes. Energy & Fuels, 2021, 35, 8396-8405.	2.5	39
22	High Quantum Yield Fluorescent Carbon Nanodots for detection of Fe (III) Ions and Electrochemical Study of Quenching Mechanism. Talanta, 2020, 209, 120538.	2.9	36
23	A bi-functional configuration for a metal-oxide film supercapacitor. Journal of Power Sources, 2019, 409, 1-5.	4.0	34
24	Stable Lowâ€Current Electrodeposition of Î±â€MnO₂ on Superaligned Electrospun Carbon Nanofibers for Highâ€Performance Energy Storage. Small, 2018, 14, 1703237.	5.2	30
25	Control of the Electron Transfer Rate between Cytochromecand Gold Electrodes by the Manipulation of the Electrode's Hydrogen Bonding Character. Langmuir, 2003, 19, 2378-2387.	1.6	27
26	Design of Curcumin Loaded Carbon Nanodots Delivery System: Enhanced Bioavailability, Release Kinetics, and Anticancer Activity. ACS Applied Bio Materials, 2020, 3, 8776-8785.	2.3	26
27	Carbon Nanodots Derived from Urea and Citric Acid in Living Cells: Cellular Uptake and Antioxidation Effect. Langmuir, 2020, 36, 8632-8640.	1.6	26
28	Mingled MnO₂ and Co₃O₄ Binary Nanostructures on Well-Aligned Electrospun Carbon Nanofibers for Nonenzymatic Glucose Oxidation and Sensing. Crystal Growth and Design, 2021, 21, 1527-1539.	1.4	21
29	An amperometric Meldola Blue-mediated sensor high sensitive to hydrogen peroxide based on immobilization of horseradish peroxidase in a composite membrane of regenerated silk fibroin and poly(vinyl alcohol). Analytica Chimica Acta, 1996, 329, 97-103.	2.6	20
30	Plasmon-Enhanced Fluorescence of Carbon Nanodots in Gold Nanoslit Cavities. Langmuir, 2019, 35, 8903-8909.	1.6	20
31	Novel microwave synthesis of near-metallic copper sulfide nanodiscs with size control: experimental and DFT studies of charge carrier density. Nanoscale Advances, 2020, 2, 1054-1058.	2.2	19
32	Nitrogen and sulfur co-doped carbon nanodots in living EA.hy926 and A549 cells: oxidative stress effect and mitochondria targeting. Journal of Materials Science, 2020, 55, 6093-6104.	1.7	19
33	New Evidence for a Quasi-Simultaneous Proton-Coupled Two-Electron Transfer and Direct Wiring for Glucose Oxidase Captured by the Carbon Nanotubeâ€“Polymer Matrix. Journal of Physical Chemistry C, 2015, 119, 14900-14910.	1.5	18
34	Reagentless amperometric biosensor highly sensitive to hydrogen peroxide based on the incorporation of Meldola Blue, fumed-silica and horseradish peroxidase into carbon paste. Fresenius' Journal of Analytical Chemistry, 1997, 357, 297-301.	1.5	17
35	Simultaneous oxidation of Hg0 and NH3-SCR of NO by nanophase Ce x Zr y Mn z O2 at low temperature: the interaction and mechanism. Environmental Science and Pollution Research, 2018, 25, 14471-14485.	2.7	15
36	Hierarchical carbon composite nanofibrous electrode material for high-performance aqueous supercapacitors. Materials Chemistry and Physics, 2018, 214, 557-563.	2.0	15

#	Article	IF	Citations
37	Experimental and Time-Dependent Density Functional Theory Modeling Studies on the Optical Properties of Carbon Nanodots. Journal of Physical Chemistry C, 2020, 124, 4684-4692.	1.5	14
38	Recent Trends and Advances of Co3O4 Nanoparticles in Environmental Remediation of Bacteria in Wastewater. Nanomaterials, 2022, 12, 1129.	1.9	14
39	Magnetoreception of Photoactivated Cryptochrome 1 in Electrochemistry and Electron Transfer. ACS Omega, 2018, 3, 4752-4759.	1.6	13
40	A nanocomposite of copper(ii) functionalized graphene and application for sensing sulfurated organophosphorus pesticides. New Journal of Chemistry, 2013, 37, 3956.	1.4	12
41	Protein Trapping in Plasmonic Nanoslit and Nanoledge Cavities: The Behavior and Sensing. Analytical Chemistry, 2017, 89, 5221-5229.	3.2	12
42	Manipulating cobalt oxide on N-doped aligned electrospun carbon nanofibers towards instant electrochemical detection of dopamine secreted by living cells. Applied Surface Science, 2022, 577, 151912.	3.1	12
43	A semi-analytical decomposition analysis of surface plasmon generation and the optimal nanoledge plasmonic device. RSC Advances, 2016, 6, 17196-17203.	1.7	11
44	Solid-state synthesis of silver nanowires using biopolymer thin films. Materials Today Nano, 2018, 1, 22-28.	2.3	10
45	Frontiers in nano-architectured carbonâ€“metal oxide electrodes for supercapacitance energy storage: a review. Frontiers in Nanoscience and Nanotechnology, 2016, 2, 78-85.	0.3	10
46	Plasmonâ€“Exciton Coupling in Photosystem I Based Biohybrid Photoelectrochemical Cells. ACS Applied Bio Materials, 2018, 1, 802-807.	2.3	9
47	Modulation of Macrophage Polarization by Carbon Nanodots and Elucidation of Carbon Nanodot Uptake Routes in Macrophages. Nanomaterials, 2021, 11, 1116.	1.9	8
48	Low-temperature co-purification of NOx and Hg0 from simulated flue gas by CexZryMnzO2/r-Al2O3: the performance and its mechanism. Environmental Science and Pollution Research, 2018, 25, 20575-20590.	2.7	5
49	Dark-Field Microscopic Study of Cellular Uptake of Carbon Nanodots: Nuclear Penetrability. Molecules, 2022, 27, 2437.	1.7	5
50	Water-Soluble Noncovalently Engineered Graphene-Neutral Red Nanocomposite with Photocurrent Generating Capacity. Journal of Nanoscience and Nanotechnology, 2012, 12, 1792-1798.	0.9	4
51	Magnetically-enhanced electron transfer from immobilized galvinoxyl radicals. Electrochemistry Communications, 2019, 99, 36-40.	2.3	4
52	The Glucose Effect on Direct Electrochemistry and Electron Transfer Reaction of Glucose Oxidase Entrapped in a Carbon Nanotubeâ€Polymer Matrix. ChemistrySelect, 2020, 5, 12224-12231.	0.7	4
53	Localized Surface Plasmon Resonance (LSPR)-Coupled Fiber-Optic Nanoprobe for the Detection of Protein Biomarkers. Methods in Molecular Biology, 2017, 1571, 1-14.	0.4	3
54	Surface Plasmon Resonance of A Bimetallic Nanostructured Film for Enhanced Optical Sensitivity. ChemistrySelect, 2018, 3, 3018-3023.	0.7	3

#	Article	IF	Citations
55	Functional thin films and nanostructures for sensors. , 2018, , 169-213.		3
56	A plasmonic nanoledge array sensor for detection of anti-insulin antibodies of type 1 diabetes biomarker. Nanotechnology, 2020, 31, 325503.	1.3	3
57	Antiproliferative and ROS Regulation Activity of Photoluminescent Curcumin-Derived Nanodots. ACS Applied Bio Materials, 2021, 4, 8477-8486.	2.3	3
58	Carbon nanotube film-based cantilever for light and thermal energy harvesting. , 2010, , .		2
59	Alternative SiO₂ Surface Direct MDCK Epithelial Behavior. ACS Biomaterials Science and Engineering, 2017, 3, 3307-3317.	2.6	2
60	Silver nanowires (AgNWs) growth in-situ on chitosan polymer matrix film for SERS application. , 2017, , .		2
61	Nanoarchitectured electrodes for supercapacitance energy storage. , 2018, , 215-244.		2
62	Carbon Nanodots Inhibit Oxidized Low Density Lipoprotein-Induced Injury and Monocyte Adhesion to Endothelial Cells Through Scavenging Reactive Oxygen Species. Journal of Biomedical Nanotechnology, 2021, 17, 1654-1667.	0.5	2
63	Transmission SPR of Gold Nanoslit Array and Ultrasensitive Detection of a Retinol Binding Protein. International Conference on Bioinformatics and Biomedical Engineering: [proceedings] International Conference on Bioinformatics and Biomedical Engineering, 2010, , .	0.0	1
64	Solid-state growth of Ag nanowires and analysis of the self-growing process on a bio-polymer chitosan film. New Journal of Chemistry, 2019, 43, 3529-3535.	1.4	1
65	Amphiphilic phospholipidâ€“iodinated polymer conjugates for bioimaging. Biomaterials Science, 2021, 9, 5045-5056.	2.6	1
66	Direct electron transfer reactions of glucose oxidase and D-amino acid oxidase at a glassy carbon electrode in organic media. Journal of Shanghai University, 1998, 2, 77-80.	0.1	0
67	An In-Plane Nanofluidic Nanoplasmonics-Based Platform for Biodetection. , 2012, , .		0
68	New insight into advection of organic contaminate plume at drain outlet areas. Environmental Nanotechnology, Monitoring and Management, 2016, 6, 76-82.	1.7	0