Wenzhao Jia

List of Publications by Year
in descending order

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36 papers	5,638 citations	159358 30 h-index	329751 37 g-index
38 all docs	38 docs citations	38 times ranked	7494 citing authors

#	Article	IF	Citations
1	Electrochemical Tattoo Biosensors for Real-Time Noninvasive Lactate Monitoring in Human Perspiration. Analytical Chemistry, 2013, 85, 6553-6560.	3.2	686
2	Microbial biosensors: A review. Biosensors and Bioelectronics, 2011, 26, 1788-1799.	5.3	585
3	Tattoo-Based Noninvasive Glucose Monitoring: A Proof-of-Concept Study. Analytical Chemistry, 2015, 87, 394-398.	3.2	562
4	CuO Nanospheres Based Nonenzymatic Glucose Sensor. Electroanalysis, 2008, 20, 2482-2486.	1.5	316
5	Tattoo-based potentiometric ion-selective sensors for epidermal pH monitoring. Analyst, The, 2013, 138, 123-128.	1.7	300
6	Non-invasive mouthguard biosensor for continuous salivary monitoring of metabolites. Analyst, The, 2014, 139, 1632-1636.	1.7	292
7	Ultrasensitive and selective non-enzymatic glucose detection using copper nanowires. Biosensors and Bioelectronics, 2012, 31, 426-432.	5.3	288
8	Epidermal Biofuel Cells: Energy Harvesting from Human Perspiration. Angewandte Chemie - International Edition, 2013, 52, 7233-7236.	7.2	271
9	Tattooâ€Based Wearable Electrochemical Devices: A Review. Electroanalysis, 2015, 27, 562-572.	1.5	265
10	Wearable temporary tattoo sensor for real-time trace metal monitoring in human sweat. Electrochemistry Communications, 2015, 51, 41-45.	2.3	193
11	Electrocatalytic oxidation and reduction of H2O2 on vertically aligned Co3O4 nanowalls electrode: Toward H2O2 detection. Journal of Electroanalytical Chemistry, 2009, 625, 27-32.	1.9	173
12	Allâ€Printed Stretchable Electrochemical Devices. Advanced Materials, 2015, 27, 3060-3065.	11.1	172
13	Wearable textile biofuel cells for powering electronics. Journal of Materials Chemistry A, 2014, 2, 18184-18189.	5.2	156
14	Ammonia Gas Sensor Using Polypyrroleâ€Coated TiO₂/ZnO Nanofibers. Electroanalysis, 2009, 21, 1432-1438.	1.5	150
15	Microneedle-based self-powered glucose sensor. Electrochemistry Communications, 2014, 47, 58-62.	2.3	150
16	An epidermal alkaline rechargeable Agâ€“Zn printable tattoo battery for wearable electronics. Journal of Materials Chemistry A, 2014, 2, 15788-15795.	5.2	130
17	Pt nanoflower/polyaniline composite nanofibers based urea biosensor. Biosensors and Bioelectronics, 2011, 30, 158-164.	5.3	89
18	Mechanisms for Enhanced Performance of Platinumâ€Based Electrocatalysts in Proton Exchange Membrane Fuel Cells. ChemSusChem, 2014, 7, 361-378.	3.6	86

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19	Vertically Aligned CuO Nanowires Based Electrode for Amperometric Detection of Hydrogen Peroxide. Electroanalysis, 2008, 20, 2153-2157.	1.5	80
20	Highly ordered multilayered 3D graphene decorated with metal nanoparticles. Journal of Materials Chemistry A, 2013, 1, 1639-1645.	5.2	76
21	Spherical CuO synthesized by a simple hydrothermal reaction: Concentration-dependent size and its electrocatalytic application. Materials Research Bulletin, 2009, 44, 1681-1686.	2.7	73
22	Effect of Inoculum Types on Bacterial Adhesion and Power Production in Microbial Fuel Cells. Applied Biochemistry and Biotechnology, 2010, 160, 182-196.	1.4	69
23	Biocompatible Enzymatic Roller Pens for Direct Writing of Biocatalytic Materials: â€œDoâ€itâ€Yourselfâ€• Electrochemical Biosensors. Advanced Healthcare Materials, 2015, 4, 1215-1224.	3.9	58
24	Palladium/titanium dioxide nanofibers for glycerol electrooxidation in alkaline medium. Electrochemistry Communications, 2009, 11, 2199-2202.	2.3	56
25	Facile Synthesis of a Platinum Nanoflower Monolayer on a Single-Walled Carbon Nanotube Membrane and Its Application in Glucose Detection. Journal of Physical Chemistry C, 2010, 114, 18121-18125.	1.5	56
26	Preparation, Characterization and Sensitive Gas Sensing of Conductive Core-sheath TiO2-PEDOT Nanocables. Sensors, 2009, 9, 6752-6763.	2.1	55
27	From Cu2(OH)3Cl to nanostructured sisal-like Cu(OH)2 and CuO: Synthesis and characterization. Journal of Applied Physics, 2009, 105, .	1.1	43
28	Free-Standing Palladium/Polyamide 6 Nanofibers for Electrooxidation of Alcohols in Alkaline Medium. Journal of Physical Chemistry C, 2009, 113, 16174-16180.	1.5	39
29	Synthesis and characterization of novel nanostructured fishbone-like Cu(OH)2 and CuO from Cu4SO4(OH)6. Materials Letters, 2009, 63, 519-522.	1.3	36
30	Pd/TiO₂ Nanofibrous Membranes and Their Application in Hydrogen Sensing. Journal of Physical Chemistry C, 2009, 113, 16402-16407.	1.5	35
31	Highly sensitive surface-enhanced Raman scattering using vertically aligned silver nanopetals. RSC Advances, 2012, 2, 1439-1443.	1.7	30
32	Synthesis of Single Crystalline Tin Nanorods and Their Application as Nanosoldering Materials. Journal of Physical Chemistry C, 2010, 114, 21938-21942.	1.5	22
33	Carbonized Hemoglobin Nanofibers for Enhanced H₂O₂ Detection. Electroanalysis, 2010, 22, 1911-1917.	1.5	15
34	Synthesis of tin nanodendrites via galvanic replacement reaction and their thermal conversion to nanodendritic tin oxide for ultrasensitive electrochemical sensing. RSC Advances, 2011, 1, 1500.	1.7	8
35	Nanoengineered Transparent, Free-Standing, Conductive Nanofibrous Membranes. Journal of Physical Chemistry C, 2009, 113, 19525-19530.	1.5	7
36	Highâ€Power Lowâ€Cost Tissueâ€Based Biofuel Cell. Electroanalysis, 2013, 25, 838-844.	1.5	4