

Wenzhao Jia

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/7845070/publications.pdf>

Version: 2024-02-01

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	Biocompatible Enzymatic Roller Pens for Direct Writing of Biocatalytic Materials: "Do It Yourself" Electrochemical Biosensors. <i>Advanced Healthcare Materials</i> , 2015, 4, 1215-1224.	3.9	58
2	Tattoo-Based Wearable Electrochemical Devices: A Review. <i>Electroanalysis</i> , 2015, 27, 562-572.	1.5	265
3	All-Printed Stretchable Electrochemical Devices. <i>Advanced Materials</i> , 2015, 27, 3060-3065.	11.1	172
4	Tattoo-Based Noninvasive Glucose Monitoring: A Proof-of-Concept Study. <i>Analytical Chemistry</i> , 2015, 87, 394-398.	3.2	562
5	Wearable temporary tattoo sensor for real-time trace metal monitoring in human sweat. <i>Electrochemistry Communications</i> , 2015, 51, 41-45.	2.3	193
6	Mechanisms for Enhanced Performance of Platinum-Based Electrocatalysts in Proton Exchange Membrane Fuel Cells. <i>ChemSusChem</i> , 2014, 7, 361-378.	3.6	86
7	Wearable textile biofuel cells for powering electronics. <i>Journal of Materials Chemistry A</i> , 2014, 2, 18184-18189.	5.2	156
8	An epidermal alkaline rechargeable Ag-Zn printable tattoo battery for wearable electronics. <i>Journal of Materials Chemistry A</i> , 2014, 2, 15788-15795.	5.2	130
9	Microneedle-based self-powered glucose sensor. <i>Electrochemistry Communications</i> , 2014, 47, 58-62.	2.3	150
10	Non-invasive mouthguard biosensor for continuous salivary monitoring of metabolites. <i>Analyst</i> , The, 2014, 139, 1632-1636.	1.7	292
11	High-Power Low-Cost Tissue-Based Biofuel Cell. <i>Electroanalysis</i> , 2013, 25, 838-844.	1.5	4
12	Tattoo-based potentiometric ion-selective sensors for epidermal pH monitoring. <i>Analyst</i> , The, 2013, 138, 123-128.	1.7	300
13	Highly ordered multilayered 3D graphene decorated with metal nanoparticles. <i>Journal of Materials Chemistry A</i> , 2013, 1, 1639-1645.	5.2	76
14	Electrochemical Tattoo Biosensors for Real-Time Noninvasive Lactate Monitoring in Human Perspiration. <i>Analytical Chemistry</i> , 2013, 85, 6553-6560.	3.2	686
15	Epidermal Biofuel Cells: Energy Harvesting from Human Perspiration. <i>Angewandte Chemie - International Edition</i> , 2013, 52, 7233-7236.	7.2	271
16	Highly sensitive surface-enhanced Raman scattering using vertically aligned silver nanopetals. <i>RSC Advances</i> , 2012, 2, 1439-1443.	1.7	30
17	Ultrasensitive and selective non-enzymatic glucose detection using copper nanowires. <i>Biosensors and Bioelectronics</i> , 2012, 31, 426-432.	5.3	288
18	Synthesis of tin nanodendrites via galvanic replacement reaction and their thermal conversion to nanodendritic tin oxide for ultrasensitive electrochemical sensing. <i>RSC Advances</i> , 2011, 1, 1500.	1.7	8

#	ARTICLE	IF	CITATIONS
19	Pt nanoflower/polyaniline composite nanofibers based urea biosensor. <i>Biosensors and Bioelectronics</i> , 2011, 30, 158-164.	5.3	89
20	Microbial biosensors: A review. <i>Biosensors and Bioelectronics</i> , 2011, 26, 1788-1799.	5.3	585
21	Effect of Inoculum Types on Bacterial Adhesion and Power Production in Microbial Fuel Cells. <i>Applied Biochemistry and Biotechnology</i> , 2010, 160, 182-196.	1.4	69
22	Carbonized Hemoglobin Nanofibers for Enhanced H_2O_2 Detection. <i>Electroanalysis</i> , 2010, 22, 1911-1917.	1.5	15
23	Facile Synthesis of a Platinum Nanoflower Monolayer on a Single-Walled Carbon Nanotube Membrane and Its Application in Glucose Detection. <i>Journal of Physical Chemistry C</i> , 2010, 114, 18121-18125.	1.5	56
24	Synthesis of Single Crystalline Tin Nanorods and Their Application as Nanosoldering Materials. <i>Journal of Physical Chemistry C</i> , 2010, 114, 21938-21942.	1.5	22
25	Spherical CuO synthesized by a simple hydrothermal reaction: Concentration-dependent size and its electrocatalytic application. <i>Materials Research Bulletin</i> , 2009, 44, 1681-1686.	2.7	73
26	Synthesis and characterization of novel nanostructured fishbone-like $Cu(OH)_2$ and CuO from $Cu_4SO_4(OH)_6$. <i>Materials Letters</i> , 2009, 63, 519-522.	1.3	36
27	Ammonia Gas Sensor Using Polypyrrole-Coated TiO_2/ZnO Nanofibers. <i>Electroanalysis</i> , 2009, 21, 1432-1438.	1.5	150
28	Palladium/titanium dioxide nanofibers for glycerol electrooxidation in alkaline medium. <i>Electrochemistry Communications</i> , 2009, 11, 2199-2202.	2.3	56
29	Electrocatalytic oxidation and reduction of H_2O_2 on vertically aligned Co_3O_4 nanowalls electrode: Toward H_2O_2 detection. <i>Journal of Electroanalytical Chemistry</i> , 2009, 625, 27-32.	1.9	173
30	Nanoengineered Transparent, Free-Standing, Conductive Nanofibrous Membranes. <i>Journal of Physical Chemistry C</i> , 2009, 113, 19525-19530.	1.5	7
31	Free-Standing Palladium/Polyamide 6 Nanofibers for Electrooxidation of Alcohols in Alkaline Medium. <i>Journal of Physical Chemistry C</i> , 2009, 113, 16174-16180.	1.5	39
32	Pd/TiO_2 Nanofibrous Membranes and Their Application in Hydrogen Sensing. <i>Journal of Physical Chemistry C</i> , 2009, 113, 16402-16407.	1.5	35
33	Preparation, Characterization and Sensitive Gas Sensing of Conductive Core-sheath TiO_2 -PEDOT Nanocables. <i>Sensors</i> , 2009, 9, 6752-6763.	2.1	55
34	From $Cu_2(OH)_3Cl$ to nanostructured sisal-like $Cu(OH)_2$ and CuO: Synthesis and characterization. <i>Journal of Applied Physics</i> , 2009, 105, .	1.1	43
35	Vertically Aligned CuO Nanowires Based Electrode for Amperometric Detection of Hydrogen Peroxide. <i>Electroanalysis</i> , 2008, 20, 2153-2157.	1.5	80
36	CuO Nanospheres Based Nonenzymatic Glucose Sensor. <i>Electroanalysis</i> , 2008, 20, 2482-2486.	1.5	316