

Guohui Zhang

List of Publications by Year in descending order

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Version: 2024-02-01

23
papers

1,069
citations

516710

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610901

24
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docs citations

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times ranked

1584
citing authors

#	ARTICLE	IF	CITATIONS
1	Nanoscale Electrochemistry of sp^2 Carbon Materials: From Graphite and Graphene to Carbon Nanotubes. <i>Accounts of Chemical Research</i> , 2016, 49, 2041-2048.	15.6	188
2	Redox-Dependent Spatially Resolved Electrochemistry at Graphene and Graphite Step Edges. <i>ACS Nano</i> , 2015, 9, 3558-3571.	14.6	152
3	Versatile Polymer-Free Graphene Transfer Method and Applications. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 8008-8016.	8.0	95
4	Mobility and Poisoning of Mass-Selected Platinum Nanoclusters during the Oxygen Reduction Reaction. <i>ACS Catalysis</i> , 2018, 8, 6775-6790.	11.2	74
5	Molecular Functionalization of Graphite Surfaces: Basal Plane versus Step Edge Electrochemical Activity. <i>Journal of the American Chemical Society</i> , 2014, 136, 11444-11451.	13.7	71
6	Identification and manipulation of dynamic active site deficiency-induced competing reactions in electrocatalytic oxidation processes. <i>Energy and Environmental Science</i> , 2022, 15, 2386-2396.	30.8	71
7	Facile Preparation of Graphene/Polyaniline Composite and Its Application for Electrocatalysis Hexavalent Chromium Reduction. <i>Electrochimica Acta</i> , 2014, 132, 496-503.	5.2	56
8	Electrochemistry at highly oriented pyrolytic graphite (HOPG): lower limit for the kinetics of outer-sphere redox processes and general implications for electron transfer models. <i>Physical Chemistry Chemical Physics</i> , 2015, 17, 11827-11838.	2.8	53
9	Nucleation and Aggregative Growth of Palladium Nanoparticles on Carbon Electrodes: Experiment and Kinetic Model. <i>Journal of Physical Chemistry C</i> , 2015, 119, 17389-17397.	3.1	43
10	Electrochemistry of ferrocene derivatives on highly oriented pyrolytic graphite (HOPG): quantification and impacts of surface adsorption. <i>Physical Chemistry Chemical Physics</i> , 2016, 18, 4966-4977.	2.8	42
11	Highly Selective O_2 Reduction to H_2O_2 Catalyzed by Cobalt Nanoparticles Supported on Nitrogen-Doped Carbon in Alkaline Solution. <i>ACS Catalysis</i> , 2021, 11, 5035-5046.	11.2	36
12	Low-Voltage Voltammetric Electrowetting of Graphite Surfaces by Ion Intercalation/Deintercalation. <i>Langmuir</i> , 2016, 32, 7476-7484.	3.5	32
13	The resistance to over-oxidation for polyaniline initiated by the resulting quinone-like molecules. <i>Polymer Degradation and Stability</i> , 2011, 96, 1799-1804.	5.8	27
14	Electrochemistry of $Fe^{3+/2+}$ at highly oriented pyrolytic graphite (HOPG) electrodes: kinetics, identification of major electroactive sites and time effects on the response. <i>Physical Chemistry Chemical Physics</i> , 2016, 18, 32387-32395.	2.8	23
15	Exceptional ion-exchange selectivity for perchlorate based on polyaniline films. <i>Electrochimica Acta</i> , 2011, 56, 7644-7650.	5.2	22
16	Electrolyte-dependent formation of solid electrolyte interphase and ion intercalation revealed by in situ surface characterizations. <i>Journal of Energy Chemistry</i> , 2022, 67, 718-726.	12.9	20
17	Gas Accessible Membrane Electrode (GAME): A Versatile Platform for Elucidating Electrocatalytic Processes Using Real-Time and in Situ Hyphenated Electrochemical Techniques. <i>ACS Catalysis</i> , 2020, 10, 9684-9693.	11.2	14
18	Simulation of equilibrium system and release behaviors of both oxytetracycline and copper on aerobic granules in a sequencing batch reactor. <i>Biochemical Engineering Journal</i> , 2011, 56, 198-204.	3.6	13

#	ARTICLE	IF	CITATIONS
19	Monitoring amyloid- β 42 conformational change using a spray-printed graphene electrode. <i>Electrochemistry Communications</i> , 2021, 123, 106927.	4.7	10
20	Real-Time In Situ Monitoring of CO ₂ Electroreduction in the Liquid and Gas Phases by Coupled Mass Spectrometry and Localized Electrochemistry. <i>ACS Catalysis</i> , 2022, 12, 6180-6190.	11.2	10
21	<i>In Situ</i> Visualization of Atmosphere-Dependent Relaxation and Failure in Energy Storage Electrodes. <i>Journal of the American Chemical Society</i> , 2021, 143, 17843-17850.	13.7	7
22	The bromamine acid removal from aqueous solution using electro-Fenton and Fenton systems. <i>Desalination and Water Treatment</i> , 2012, 47, 157-162.	1.0	6
23	Low-temperature growth of ultrathin and epitaxial Mo ₂ C nanosheets <i>via</i> a vapor-liquid-solid process. <i>Nanoscale</i> , 2022, 14, 9142-9149.	5.6	2