Guohui Zhang

List of Publications by Year
in descending order

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23	1,069	516710 16	610901 24
papers	citations	h-index	g-index

24	24	24	1584
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Electrolyte-dependent formation of solid electrolyte interphase and ion intercalation revealed by in situ surface characterizations. Journal of Energy Chemistry, 2022, 67, 718-726.	12.9	20
2	Identification and manipulation of dynamic active site deficiency-induced competing reactions in electrocatalytic oxidation processes. Energy and Environmental Science, 2022, 15, 2386-2396.	30.8	71
3	Real-Time In Situ Monitoring of CO₂ Electroreduction in the Liquid and Gas Phases by Coupled Mass Spectrometry and Localized Electrochemistry. ACS Catalysis, 2022, 12, 6180-6190.	11.2	10
4	Low-temperature growth of ultrathin and epitaxial Mo₂C nanosheets via a vaporâ€“liquidâ€“solid process. Nanoscale, 2022, 14, 9142-9149.	5.6	2
5	Monitoring amyloid-Î² 42 conformational change using a spray-printed graphene electrode. Electrochemistry Communications, 2021, 123, 106927.	4.7	10
6	Highly Selective O₂ Reduction to H₂O₂ Catalyzed by Cobalt Nanoparticles Supported on Nitrogen-Doped Carbon in Alkaline Solution. ACS Catalysis, 2021, 11, 5035-5046.	11.2	36
7	In Situ Visualization of Atmosphere-Dependent Relaxation and Failure in Energy Storage Electrodes. Journal of the American Chemical Society, 2021, 143, 17843-17850.	13.7	7
8	Gas Accessible Membrane Electrode (GAME): A Versatile Platform for Elucidating Electrocatalytic Processes Using Real-Time and in Situ Hyphenated Electrochemical Techniques. ACS Catalysis, 2020, 10, 9684-9693.	11.2	14
9	Mobility and Poisoning of Mass-Selected Platinum Nanoclusters during the Oxygen Reduction Reaction. ACS Catalysis, 2018, 8, 6775-6790.	11.2	74
10	Nanoscale Electrochemistry of sp² Carbon Materials: From Graphite and Graphene to Carbon Nanotubes. Accounts of Chemical Research, 2016, 49, 2041-2048.	15.6	188
11	Low-Voltage Voltammetric Electrowetting of Graphite Surfaces by Ion Intercalation/Deintercalation. Langmuir, 2016, 32, 7476-7484.	3.5	32
12	Electrochemistry of Fe^{3+/2+} at highly oriented pyrolytic graphite (HOPG) electrodes: kinetics, identification of major electroactive sites and time effects on the response. Physical Chemistry Chemical Physics, 2016, 18, 32387-32395.	2.8	23
13	Electrochemistry of ferrocene derivatives on highly oriented pyrolytic graphite (HOPG): quantification and impacts of surface adsorption. Physical Chemistry Chemical Physics, 2016, 18, 4966-4977.	2.8	42
14	Versatile Polymer-Free Graphene Transfer Method and Applications. ACS Applied Materials & Interfaces, 2016, 8, 8008-8016.	8.0	95
15	Electrochemistry at highly oriented pyrolytic graphite (HOPG): lower limit for the kinetics of outer-sphere redox processes and general implications for electron transfer models. Physical Chemistry Chemical Physics, 2015, 17, 11827-11838.	2.8	53
16	Redox-Dependent Spatially Resolved Electrochemistry at Graphene and Graphite Step Edges. ACS Nano, 2015, 9, 3558-3571.	14.6	152
17	Nucleation and Aggregative Growth of Palladium Nanoparticles on Carbon Electrodes: Experiment and Kinetic Model. Journal of Physical Chemistry C, 2015, 119, 17389-17397.	3.1	43
18	Facile Preparation of Graphene/Polyaniline Composite and Its Application for Electrocatalysis Hexavalent Chromium Reduction. Electrochimica Acta, 2014, 132, 496-503.	5.2	56

#	Article	IF	Citations
19	Molecular Functionalization of Graphite Surfaces: Basal Plane versus Step Edge Electrochemical Activity. Journal of the American Chemical Society, 2014, 136, 11444-11451.	13.7	71
20	The bromamine acid removal from aqueous solution using electro-Fenton and Fenton systems. Desalination and Water Treatment, 2012, 47, 157-162.	1.0	6
21	The resistance to over-oxidation for polyaniline initiated by the resulting quinone-like molecules. Polymer Degradation and Stability, 2011, 96, 1799-1804.	5.8	27
22	Exceptional ion-exchange selectivity for perchlorate based on polyaniline films. Electrochimica Acta, 2011, 56, 7644-7650.	5.2	22
23	Simulation of equilibrium system and release behaviors of both oxytetracycline and copper on aerobic granules in a sequencing batch reactor. Biochemical Engineering Journal, 2011, 56, 198-204.	3.6	13