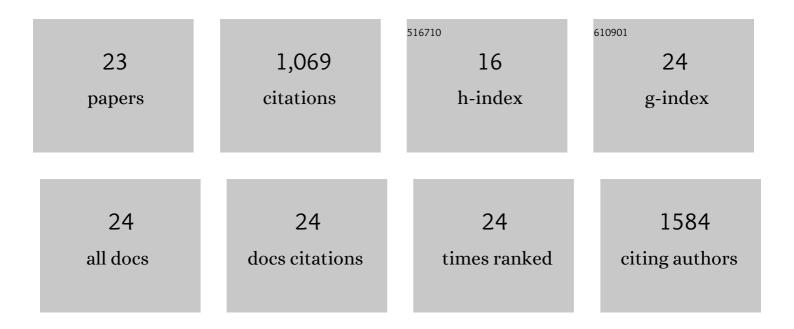
Guohui Zhang

List of Publications by Year in descending order

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Спонті Днумс

| # | Article | IF | CITATIONS |
|----|--|------|-----------|
| 1 | Nanoscale Electrochemistry of sp ² Carbon Materials: From Graphite and Graphene to Carbon Nanotubes. Accounts of Chemical Research, 2016, 49, 2041-2048. | 15.6 | 188 |
| 2 | Redox-Dependent Spatially Resolved Electrochemistry at Graphene and Graphite Step Edges. ACS Nano, 2015, 9, 3558-3571. | 14.6 | 152 |
| 3 | Versatile Polymer-Free Graphene Transfer Method and Applications. ACS Applied Materials & Interfaces, 2016, 8, 8008-8016. | 8.0 | 95 |
| 4 | Mobility and Poisoning of Mass-Selected Platinum Nanoclusters during the Oxygen Reduction Reaction. ACS Catalysis, 2018, 8, 6775-6790. | 11.2 | 74 |
| 5 | 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 |
| 6 | 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 |
| 7 | Facile Preparation of Graphene/Polyaniline Composite and Its Application for Electrocatalysis Hexavalent Chromium Reduction. Electrochimica Acta, 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. Physical Chemistry Chemical Physics, 2015, 17, 11827-11838. | 2.8 | 53 |
| 9 | 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 |
| 10 | 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 |
| 11 | Highly Selective O ₂ Reduction to H ₂ O ₂ Catalyzed by Cobalt Nanoparticles Supported on Nitrogen-Doped Carbon in Alkaline Solution. ACS Catalysis, 2021, 11, 5035-5046. | 11.2 | 36 |
| 12 | Low-Voltage Voltammetric Electrowetting of Graphite Surfaces by Ion Intercalation/Deintercalation. Langmuir, 2016, 32, 7476-7484. | 3.5 | 32 |
| 13 | 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 |
| 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. Physical Chemistry Chemical Physics, 2016, 18, 32387-32395. | 2.8 | 23 |
| 15 | Exceptional ion-exchange selectivity for perchlorate based on polyaniline films. Electrochimica Acta, 2011, 56, 7644-7650. | 5.2 | 22 |
| 16 | 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 |
| 17 | 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 |
| 18 | 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 |

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| # | Article | IF | CITATIONS |
|----|--|------|-----------|
| 19 | Monitoring amyloid-Î ² 42 conformational change using a spray-printed graphene electrode. Electrochemistry Communications, 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. ACS Catalysis, 2022, 12, 6180-6190. | 11.2 | 10 |
| 21 | <i>In Situ</i> Visualization of Atmosphere-Dependent Relaxation and Failure in Energy Storage Electrodes. Journal of the American Chemical Society, 2021, 143, 17843-17850. | 13.7 | 7 |
| 22 | The bromamine acid removal from aqueous solution using electro-Fenton and Fenton systems. Desalination and Water Treatment, 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. Nanoscale, 2022, 14, 9142-9149. | 5.6 | 2 |