# Qianjin Chen

List of Publications by Year
in descending order

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Version: 2024-02-01

| 53 | 1,857 | 236612 | 264894 |
|---|---|---|---|
| papers | citations | 25 h-index | 42 g-index |

| 56 | 56 | 56 | 1755 |
|---|---|---|---|
| all docs | docs citations | times ranked | citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Electrochemical Sulfonylation-Induced Lactonization of Alkenes: Synthesis of Sulfonyl Phthalides. Journal of Organic Chemistry, 2022, 87, 1208-1217. | 1.7 | 13 |
| 2 | Surface facets dependent oxygen evolution reaction of single Cu2O nanoparticles. Chinese Chemical Letters, 2022, 33, 5158-5161. | 4.8 | 24 |
| 3 | Single-Entity Electrochemistry of Nano- and Microbubbles in Electrolytic Gas Evolution. Journal of Physical Chemistry Letters, 2022, 13, 6153-6163. | 2.1 | 10 |
| 4 | Direct measuring of singleâ€“heterogeneous bubble nucleation mediated by surface topology. Proceedings of the National Academy of Sciences of the United States of America, 2022, 119, . | 3.3 | 18 |
| 5 | Electrochemical Oxidative Halogenation of N-Aryl Alkynamides for the Synthesis of Spiro[4.5]trienones. Journal of Organic Chemistry, 2021, 86, 917-928. | 1.7 | 46 |
| 6 | Radical generation from electroreduction of aryl and benzyl ammonium salts: synthesis of organoboronates. Organic Chemistry Frontiers, 2021, 8, 702-707. | 2.3 | 15 |
| 7 | Dynamic Equilibrium Model for Surface Nanobubbles in Electrochemistry. Langmuir, 2021, 37, 2771-2779. | 1.6 | 15 |
| 8 | Scanning Electrochemical Cell Microscope Study of Individual H2 Gas Bubble Nucleation on Platinum: Effect of Surfactants. Chinese Journal of Analytical Chemistry, 2021, 49, e21055-e21064. | 0.9 | 8 |
| 9 | Simultaneously improved mechanical and electromagnetic interference shielding properties of carbon fiber fabrics/epoxy composites via interface engineering. Composites Science and Technology, 2021, 207, 108696. | 3.8 | 74 |
| 10 | Electrochemical Oxidative Cross-Coupling between Vinyl Azides and Thiophenols: Synthesis of gem-Bisarylthio Enamines. Journal of Organic Chemistry, 2021, 86, 15946-15952. | 1.7 | 12 |
| 11 | Electrochemical Visualization of Gas Bubbles on Superaerophobic Electrodes Using Scanning Electrochemical Cell Microscopy. Analytical Chemistry, 2021, 93, 12337-12345. | 3.2 | 23 |
| 12 | Direct electrochemical reduction and dyeing properties of CI Vat Yellow 1 using carbon felt electrode. Dyes and Pigments, 2021, 184, 108835. | 2.0 | 15 |
| 13 | Visualization and Quantification of Electrochemical H<sub>2</sub> Bubble Nucleation at Pt, Au, and MoS<sub>2</sub> Substrates. ACS Sensors, 2021, 6, 355-363. | 4.0 | 48 |
| 14 | Recent progress in gas nanobubble electrochemistry. Scientia Sinica Chimica, 2021, 51, 310-322. | 0.2 | 2 |
| 15 | Direct Probing of the Oxygen Evolution Reaction at Single NiFe<sub>2</sub>O<sub>4</sub> Nanocrystal Superparticles with Tunable Structures. Journal of the American Chemical Society, 2021, 143, 16925-16929. | 6.6 | 38 |
| 16 | Editorial: Single-Entity Electrochemistry. Frontiers in Chemistry, 2021, 9, 812273. | 1.8 | 0 |
| 17 | Electrochemical Oxidationâ€induced Difunctionalization of Alkynes and Alkenes with Sulfonyl Hydrazides: Facile Access to Î²â€Selenovinyl Sulfones and Î²â€Ketosulfones. Asian Journal of Organic Chemistry, 2020, 9, 1760-1764. | 1.3 | 25 |
| 18 | Electrochemical Tandem Fluoroalkylation-Cyclization of Vinyl Azides: Access to Trifluoroethylated and Difluoroethylated N-Heterocycles. Journal of Organic Chemistry, 2020, 85, 15708-15716. | 1.7 | 32 |

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|---|---|---|---|
| 19 | Metalâ€Free Electrochemical Coupling of Vinyl Azides: Synthesis of Phenanthridines and Î²â€Ketosulfones. European Journal of Organic Chemistry, 2020, 2020, 6135-6145. | 1.2 | 22 |
| 20 | Nitrogen Bubbles at Pt Nanoelectrodes in a Nonaqueous Medium: Oscillating Behavior and Geometry of Critical Nuclei. Analytical Chemistry, 2020, 92, 6408-6414. | 3.2 | 25 |
| 21 | Effects of the Hydrogen Bonding Network on Electrophilic Activation and Electrode Passivation: Electrochemical Chlorination and Bromination of Aromatics. ChemElectroChem, 2019, 6, 3726-3730. | 1.7 | 12 |
| 22 | Electrochemical oxidations of thioethers: Modulation of oxidation potential using a hydrogen bonding network. Electrochemistry Communications, 2019, 109, 106583. | 2.3 | 27 |
| 23 | A Mass Transfer-Based Method for Controlled Electrosynthesis and Organization of Tetrathiafulvalene Bromide Micro/Nanowires. Journal of the Electrochemical Society, 2019, 166, H63-H69. | 1.3 | 5 |
| 24 | Electrochemical synthesis of enaminones via a decarboxylative coupling reaction. Green Chemistry, 2019, 21, 3796-3801. | 4.6 | 75 |
| 25 | Correlation between Gas Bubble Formation and Hydrogen Evolution Reaction Kinetics at Nanoelectrodes. Langmuir, 2018, 34, 4554-4559. | 1.6 | 38 |
| 26 | Hydrogen Bubble Formation at Hydrogen-Insertion Electrodes. Journal of Physical Chemistry C, 2018, 122, 15421-15426. | 1.5 | 30 |
| 27 | The Dynamic Steady State of an Electrochemically Generated Nanobubble. Langmuir, 2017, 33, 1845-1853. | 1.6 | 42 |
| 28 | Electrochemical Size Measurement and Characterization of Electrodeposited Platinum Nanoparticles at Nanometer Resolution with Scanning Electrochemical Microscopy. Nano Letters, 2017, 17, 4354-4358. | 4.5 | 36 |
| 29 | Electrochemical Generation of Individual O<sub>2</sub> Nanobubbles via H<sub>2</sub>O<sub>2</sub> Oxidation. Journal of Physical Chemistry Letters, 2017, 8, 2450-2454. | 2.1 | 73 |
| 30 | Single Nanochannel Platform for Detecting Chiral Drugs. Analytical Chemistry, 2017, 89, 1110-1116. | 3.2 | 70 |
| 31 | Laplace Pressure of Individual H<sub>2</sub> Nanobubbles from Pressureâ€“Addition Electrochemistry. Nano Letters, 2016, 16, 6691-6694. | 4.5 | 59 |
| 32 | Redox Cycling in Nanogap Electrochemical Cells. The Role of Electrostatics in Determining the Cell Response. Journal of Physical Chemistry C, 2016, 120, 17251-17260. | 1.5 | 42 |
| 33 | Electrochemistry of single nanobubbles. Estimating the critical size of bubble-forming nuclei for gas-evolving electrode reactions. Faraday Discussions, 2016, 193, 223-240. | 1.6 | 73 |
| 34 | Electrochemical Measurement of Hydrogen and Nitrogen Nanobubble Lifetimes at Pt Nanoelectrodes. Journal of the Electrochemical Society, 2016, 163, H3160-H3166. | 1.3 | 46 |
| 35 | How does a polymer chain pass through a cylindrical pore under anÂelongational flow field?. Polymer, 2015, 67, A1-A13. | 1.8 | 20 |
| 36 | Electrochemical Generation of a Hydrogen Bubble at a Recessed Platinum Nanopore Electrode. Langmuir, 2015, 31, 4573-4581. | 1.6 | 77 |

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|---|---|---|---|
| 37 | Ion Transport within High Electric Fields in Nanogap Electrochemical Cells. ACS Nano, 2015, 9, 8520-8529. | 7.3 | 49 |
| 38 | Electrochemical Nucleation of Stable N<sub>2</sub> Nanobubbles at Pt Nanoelectrodes. Journal of the American Chemical Society, 2015, 137, 12064-12069. | 6.6 | 113 |
| 39 | (Allen J. Bard Award) The Electrochemical Nucleation and Physical Behavior of Hydrogen Nanobubbles. ECS Meeting Abstracts, 2015, , . | 0.0 | 0 |
| 40 | Mapping Phase Diagrams of Polymer Solutions by a Combination of Microfluidic Solution Droplets and Laser Light-Scattering Detection. Macromolecules, 2014, 47, 2496-2502. | 2.2 | 10 |
| 41 | One Stone Kills Three Birds: Novel Boron-Containing Vesicles for Potential BNCT, Controlled Drug Release, and Diagnostic Imaging. Molecular Pharmaceutics, 2014, 11, 3291-3299. | 2.3 | 41 |
| 42 | Electrochemical Measurements of Single H<sub>2</sub> Nanobubble Nucleation and Stability at Pt Nanoelectrodes. Journal of Physical Chemistry Letters, 2014, 5, 3539-3544. | 2.1 | 157 |
| 43 | Enhanced Fluid Flow through Nanopores by Polymer Brushes. Langmuir, 2014, 30, 8119-8123. | 1.6 | 5 |
| 44 | The coreâ€“shell structure of PNIPAM collapsed chain conformation induces a bimodal transition on cooling. Soft Matter, 2013, 9, 3985. | 1.2 | 14 |
| 45 | How Long Cylindrical Micelles Formed after Extruding Block Copolymer in a Selective Solvent through a Small Pore Fragment back into Spherical Ones. Macromolecules, 2013, 46, 9164-9167. | 2.2 | 4 |
| 46 | Nanoparticleâ€Loaded Cylindrical Micelles from Nanopore Extrusion of Block Copolymer Spherical Micelles. Macromolecular Rapid Communications, 2013, 34, 1850-1855. | 2.0 | 9 |
| 47 | How does a supercoiled DNA chain pass through a small conical glass pore?. Soft Matter, 2012, 8, 5451. | 1.2 | 7 |
| 48 | What Morphologies Do We Want? â€“ TEM Images from Dilute Diblock Copolymer Solutions. Macromolecular Chemistry and Physics, 2011, 212, 663-672. | 1.1 | 21 |
| 49 | An Effective Targeted Nanoglobular Manganese(II) Chelate Conjugate for Magnetic Resonance Molecular Imaging of Tumor Extracellular Matrix. Molecular Pharmaceutics, 2010, 7, 936-943. | 2.3 | 37 |
| 50 | Translocation Dynamics of Poly(styrenesulfonic acid) through an Î±-Hemolysin Protein Nanopore. Macromolecules, 2010, 43, 10594-10599. | 2.2 | 20 |
| 51 | Peptide-Targeted Nanoglobular Gd-DOTA Monoamide Conjugates for Magnetic Resonance Cancer Molecular Imaging. Biomacromolecules, 2010, 11, 754-761. | 2.6 | 80 |
| 52 | Nanopore Extrusion-Induced Transition from Spherical to Cylindrical Block Copolymer Micelles. Journal of the American Chemical Society, 2009, 131, 16650-16651. | 6.6 | 60 |
| 53 | Thermal properties and flame retardancy of polycarbonate/hydroxyapatite nanocomposite. Journal of Applied Polymer Science, 2008, 109, 659-663. | 1.3 | 39 |