

# Qianjin Chen

## List of Publications by Year in descending order

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53  
papers

1,857  
citations

236612

25  
h-index

264894

42  
g-index

56  
all docs

56  
docs citations

56  
times ranked

1755  
citing authors

#	ARTICLE	IF	CITATIONS
1	Electrochemical Measurements of Single H <sub>2</sub> Nanobubble Nucleation and Stability at Pt Nanoelectrodes. <i>Journal of Physical Chemistry Letters</i> , 2014, 5, 3539-3544.	2.1	157
2	Electrochemical Nucleation of Stable N <sub>2</sub> Nanobubbles at Pt Nanoelectrodes. <i>Journal of the American Chemical Society</i> , 2015, 137, 12064-12069.	6.6	113
3	Peptide-Targeted Nanoglobular Gd-DOTA Monoamide Conjugates for Magnetic Resonance Cancer Molecular Imaging. <i>Biomacromolecules</i> , 2010, 11, 754-761.	2.6	80
4	Electrochemical Generation of a Hydrogen Bubble at a Recessed Platinum Nanopore Electrode. <i>Langmuir</i> , 2015, 31, 4573-4581.	1.6	77
5	Electrochemical synthesis of enamines <i>via</i> a decarboxylative coupling reaction. <i>Green Chemistry</i> , 2019, 21, 3796-3801.	4.6	75
6	Simultaneously improved mechanical and electromagnetic interference shielding properties of carbon fiber fabrics/epoxy composites via interface engineering. <i>Composites Science and Technology</i> , 2021, 207, 108696.	3.8	74
7	Electrochemistry of single nanobubbles. Estimating the critical size of bubble-forming nuclei for gas-evolving electrode reactions. <i>Faraday Discussions</i> , 2016, 193, 223-240.	1.6	73
8	Electrochemical Generation of Individual O <sub>2</sub> Nanobubbles via H <sub>2</sub> O <sub>2</sub> Oxidation. <i>Journal of Physical Chemistry Letters</i> , 2017, 8, 2450-2454.	2.1	73
9	Single Nanochannel Platform for Detecting Chiral Drugs. <i>Analytical Chemistry</i> , 2017, 89, 1110-1116.	3.2	70
10	Nanopore Extrusion-Induced Transition from Spherical to Cylindrical Block Copolymer Micelles. <i>Journal of the American Chemical Society</i> , 2009, 131, 16650-16651.	6.6	60
11	Laplace Pressure of Individual H <sub>2</sub> Nanobubbles from Pressure-Addition Electrochemistry. <i>Nano Letters</i> , 2016, 16, 6691-6694.	4.5	59
12	Ion Transport within High Electric Fields in Nanogap Electrochemical Cells. <i>ACS Nano</i> , 2015, 9, 8520-8529.	7.3	49
13	Visualization and Quantification of Electrochemical H <sub>2</sub> Bubble Nucleation at Pt, Au, and MoS <sub>2</sub> Substrates. <i>ACS Sensors</i> , 2021, 6, 355-363.	4.0	48
14	Electrochemical Measurement of Hydrogen and Nitrogen Nanobubble Lifetimes at Pt Nanoelectrodes. <i>Journal of the Electrochemical Society</i> , 2016, 163, H3160-H3166.	1.3	46
15	Electrochemical Oxidative Halogenation of <i>N</i> -Aryl Alkynamides for the Synthesis of Spiro[4.5]trienones. <i>Journal of Organic Chemistry</i> , 2021, 86, 917-928.	1.7	46
16	Redox Cycling in Nanogap Electrochemical Cells. The Role of Electrostatics in Determining the Cell Response. <i>Journal of Physical Chemistry C</i> , 2016, 120, 17251-17260.	1.5	42
17	The Dynamic Steady State of an Electrochemically Generated Nanobubble. <i>Langmuir</i> , 2017, 33, 1845-1853.	1.6	42
18	One Stone Kills Three Birds: Novel Boron-Containing Vesicles for Potential BNCT, Controlled Drug Release, and Diagnostic Imaging. <i>Molecular Pharmaceutics</i> , 2014, 11, 3291-3299.	2.3	41

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19	Thermal properties and flame retardancy of polycarbonate/hydroxyapatite nanocomposite. <i>Journal of Applied Polymer Science</i> , 2008, 109, 659-663.	1.3	39
20	Correlation between Gas Bubble Formation and Hydrogen Evolution Reaction Kinetics at Nanoelectrodes. <i>Langmuir</i> , 2018, 34, 4554-4559.	1.6	38
21	Direct Probing of the Oxygen Evolution Reaction at Single NiFe <sub>2</sub> O <sub>4</sub> Nanocrystal Superparticles with Tunable Structures. <i>Journal of the American Chemical Society</i> , 2021, 143, 16925-16929.	6.6	38
22	An Effective Targeted Nanoglobular Manganese(II) Chelate Conjugate for Magnetic Resonance Molecular Imaging of Tumor Extracellular Matrix. <i>Molecular Pharmaceutics</i> , 2010, 7, 936-943.	2.3	37
23	Electrochemical Size Measurement and Characterization of Electrodeposited Platinum Nanoparticles at Nanometer Resolution with Scanning Electrochemical Microscopy. <i>Nano Letters</i> , 2017, 17, 4354-4358.	4.5	36
24	Electrochemical Tandem Fluoroalkylation-Cyclization of Vinyl Azides: Access to Trifluoroethylated and Difluoroethylated N-Heterocycles. <i>Journal of Organic Chemistry</i> , 2020, 85, 15708-15716.	1.7	32
25	Hydrogen Bubble Formation at Hydrogen-Insertion Electrodes. <i>Journal of Physical Chemistry C</i> , 2018, 122, 15421-15426.	1.5	30
26	Electrochemical oxidations of thioethers: Modulation of oxidation potential using a hydrogen bonding network. <i>Electrochemistry Communications</i> , 2019, 109, 106583.	2.3	27
27	Electrochemical Oxidation-Induced Difunctionalization of Alkynes and Alkenes with Sulfonyl Hydrazides: Facile Access to $\beta$ -Selenovinyl Sulfones and $\beta$ -Ketosulfones. <i>Asian Journal of Organic Chemistry</i> , 2020, 9, 1760-1764.	1.3	25
28	Nitrogen Bubbles at Pt Nanoelectrodes in a Nonaqueous Medium: Oscillating Behavior and Geometry of Critical Nuclei. <i>Analytical Chemistry</i> , 2020, 92, 6408-6414.	3.2	25
29	Surface facets dependent oxygen evolution reaction of single Cu <sub>2</sub> O nanoparticles. <i>Chinese Chemical Letters</i> , 2022, 33, 5158-5161.	4.8	24
30	Electrochemical Visualization of Gas Bubbles on Superaerophobic Electrodes Using Scanning Electrochemical Cell Microscopy. <i>Analytical Chemistry</i> , 2021, 93, 12337-12345.	3.2	23
31	Metal-Free Electrochemical Coupling of Vinyl Azides: Synthesis of Phenanthridines and $\beta$ -Ketosulfones. <i>European Journal of Organic Chemistry</i> , 2020, 2020, 6135-6145.	1.2	22
32	What Morphologies Do We Want? TEM Images from Dilute Diblock Copolymer Solutions. <i>Macromolecular Chemistry and Physics</i> , 2011, 212, 663-672.	1.1	21
33	Translocation Dynamics of Poly(styrenesulfonic acid) through an $\alpha$ -Hemolysin Protein Nanopore. <i>Macromolecules</i> , 2010, 43, 10594-10599.	2.2	20
34	How does a polymer chain pass through a cylindrical pore under an elongational flow field?. <i>Polymer</i> , 2015, 67, A1-A13.	1.8	20
35	Direct measuring of single heterogeneous bubble nucleation mediated by surface topology. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2022, 119, .	3.3	18
36	Radical generation from electroreduction of aryl and benzyl ammonium salts: synthesis of organoboronates. <i>Organic Chemistry Frontiers</i> , 2021, 8, 702-707.	2.3	15

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37	Dynamic Equilibrium Model for Surface Nanobubbles in Electrochemistry. <i>Langmuir</i> , 2021, 37, 2771-2779.	1.6	15
38	Direct electrochemical reduction and dyeing properties of CI Vat Yellow 1 using carbon felt electrode. <i>Dyes and Pigments</i> , 2021, 184, 108835.	2.0	15
39	The core-shell structure of PNIPAM collapsed chain conformation induces a bimodal transition on cooling. <i>Soft Matter</i> , 2013, 9, 3985.	1.2	14
40	Electrochemical Sulfonylation-Induced Lactonization of Alkenes: Synthesis of Sulfonyl Phthalides. <i>Journal of Organic Chemistry</i> , 2022, 87, 1208-1217.	1.7	13
41	Effects of the Hydrogen Bonding Network on Electrophilic Activation and Electrode Passivation: Electrochemical Chlorination and Bromination of Aromatics. <i>ChemElectroChem</i> , 2019, 6, 3726-3730.	1.7	12
42	Electrochemical Oxidative Cross-Coupling between Vinyl Azides and Thiophenols: Synthesis of gem-Bisarylthio Enamines. <i>Journal of Organic Chemistry</i> , 2021, 86, 15946-15952.	1.7	12
43	Mapping Phase Diagrams of Polymer Solutions by a Combination of Microfluidic Solution Droplets and Laser Light-Scattering Detection. <i>Macromolecules</i> , 2014, 47, 2496-2502.	2.2	10
44	Single-Entity Electrochemistry of Nano- and Microbubbles in Electrolytic Gas Evolution. <i>Journal of Physical Chemistry Letters</i> , 2022, 13, 6153-6163.	2.1	10
45	Nanoparticle-Loaded Cylindrical Micelles from Nanopore Extrusion of Block Copolymer Spherical Micelles. <i>Macromolecular Rapid Communications</i> , 2013, 34, 1850-1855.	2.0	9
46	Scanning Electrochemical Cell Microscope Study of Individual H <sub>2</sub> Gas Bubble Nucleation on Platinum: Effect of Surfactants. <i>Chinese Journal of Analytical Chemistry</i> , 2021, 49, e21055-e21064.	0.9	8
47	How does a supercoiled DNA chain pass through a small conical glass pore?. <i>Soft Matter</i> , 2012, 8, 5451.	1.2	7
48	Enhanced Fluid Flow through Nanopores by Polymer Brushes. <i>Langmuir</i> , 2014, 30, 8119-8123.	1.6	5
49	A Mass Transfer-Based Method for Controlled Electrosynthesis and Organization of Tetrathiafulvalene Bromide Micro/Nanowires. <i>Journal of the Electrochemical Society</i> , 2019, 166, H63-H69.	1.3	5
50	How Long Cylindrical Micelles Formed after Extruding Block Copolymer in a Selective Solvent through a Small Pore Fragment back into Spherical Ones. <i>Macromolecules</i> , 2013, 46, 9164-9167.	2.2	4
51	Recent progress in gas nanobubble electrochemistry. <i>Scientia Sinica Chimica</i> , 2021, 51, 310-322.	0.2	2
52	(Allen J. Bard Award) The Electrochemical Nucleation and Physical Behavior of Hydrogen Nanobubbles. <i>ECS Meeting Abstracts</i> , 2015, , .	0.0	0
53	Editorial: Single-Entity Electrochemistry. <i>Frontiers in Chemistry</i> , 2021, 9, 812273.	1.8	0