Jichang Wang

List of Publications by Year
in descending order

69 papers	2,374 citations	331670 21 h-index	206112 48 g-index
69 all docs	69 docs citations	69 times ranked	2905 citing authors

#	Article	IF	Citations
1	Challenges of layer-structured cathodes for sodium-ion batteries. Nanoscale Horizons, 2022, 7, 338-351.	8.0	37
2	Electrochemical Preparation of Copper Nanoparticles in an Oscillatory Belousovâ€“Zhabotinsky Medium. Journal of Physical Chemistry C, 2022, 126, 11103-11110.	3.1	1
3	Drastic effects of an inert Pt wire on the redox behavior of the Belousovâ€“Zhabotinsky reaction. Chaos, 2022, 32, 073111.	2.5	1
4	Titanium and nitrogen co-doped porous carbon for high-performance supercapacitors. Materials Chemistry Frontiers, 2021, 5, 3628-3635.	5.9	8
5	Understanding the Ni-rich layered structure materials for high-energy density lithium-ion batteries. Materials Chemistry Frontiers, 2021, 5, 2607-2622.	5.9	19
6	Porous Carbon Spheres with Ultra-fine Fe2N Active Phase for Efficient Electrocatalytic Oxygen Reduction. Journal of Electronic Materials, 2021, 50, 3078-3083.	2.2	3
7	Advanced TexSy-C Nanocomposites for High-Performance Lithium Ion Batteries. Frontiers in Chemistry, 2021, 9, 687392.	3.6	3
8	Novel engineering of rutheniumâ€based electrocatalysts for acidic water oxidation: A mini review. Engineering Reports, 2021, 3, e12437.	1.7	14
9	Insights of Heteroatoms Dopingâ€Enhanced Bifunctionalities on Carbon Based Energy Storage and Conversion. Advanced Functional Materials, 2021, 31, 2009109.	14.9	58
10	Tailoring Hierarchically Porous Nitrogenâ€, Sulfurâ€Codoped Carbon for Highâ€Performance Supercapacitors and Oxygen Reduction. Small, 2020, 16, e1906584.	10.0	43
11	Origins of Boosted Charge Storage on Heteroatomâ€Doped Carbons. Angewandte Chemie - International Edition, 2020, 59, 7928-7933.	13.8	102
12	Mildâ€Temperature Solutionâ€Assisted Encapsulation of Phosphorus into ZIFâ€8 Derived Porous Carbon as Lithiumâ€Ion Battery Anode. Small, 2020, 16, e1907141.	10.0	42
13	Facile synthesis of CuxS coated electrodes for the efficient hydrogen evolution reaction. Applied Surface Science, 2020, 513, 145785.	6.1	9
14	Manipulating the Polymerization of 3,5-Diaminobenzoic Acid with a Bromate Oscillator. Journal of Physical Chemistry C, 2020, 124, 4637-4643.	3.1	2
15	Development of novel highly stable synergistic quaternary photocatalyst for the efficient hydrogen evolution reaction. Applied Surface Science, 2020, 510, 145498.	6.1	16
16	Oneâ€step facile synthesis of PbS quantum dots/Pb (DMDC) 2 hybrids and their application as a lowâ€cost SERS substrate. Journal of Raman Spectroscopy, 2019, 50, 1445-1451.	2.5	5
17	Electrochemical Synthesis of (poly)Dimethoxyaniline on Glassy Carbon Electrodes and Their Applications in the Detection of L- and D-Glutamic Acids. Journal of the Electrochemical Society, 2019, 166, B3066-B3071.	2.9	16
18	Hybrid Organicâ€“Inorganic Thermoelectric Materials and Devices. Angewandte Chemie - International Edition, 2019, 58, 15206-15226.	13.8	138

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19	HeteroatomâEDoped Porous Carbon Materials with Unprecedented High Volumetric Capacitive Performance. Angewandte Chemie - International Edition, 2019, 58, 2397-2401.	13.8	178
20	HeteroatomâEDoped Porous Carbon Materials with Unprecedented High Volumetric Capacitive Performance. Angewandte Chemie, 2019, 131, 2419-2423.	2.0	34
21	Urchin-Shaped Bi₂S₃/Cu₂S/Cu₃BiS₃ Composites with Enhanced Photothermal and CT Imaging Performance. Journal of Physical Chemistry C, 2018, 122, 3794-3800.	3.1	32
22	High Volumetric Capacitance, Ultralong Life Supercapacitors Enabled by WaxberryâEDerived Hierarchical Porous Carbon Materials. Advanced Energy Materials, 2018, 8, 1702695.	19.5	204
23	Qualitative dependence of the electro-oxidation behavior of sulfite on solution pH. Journal of Electroanalytical Chemistry, 2018, 816, 1-6.	3.8	9
24	Efficient Electrochemical Reduction of Oxygen Catalyzed by Porous Carbon Containing Trace Amount of Metal Residues. Electroanalysis, 2018, 30, 2768-2773.	2.9	2
25	Long-Lasting Complex Reaction Behavior in a Closed Ferroinâ€“Bromateâ€“Hydroxybenzenesulfonate System. Journal of Physical Chemistry A, 2018, 122, 8301-8307.	2.5	2
26	Oxidative Coupling of Aromatic Amines and Nitrosoarenes: Iodineâ€Mediated Formation of Unsymmetrical Aromatic Azoxy Compounds. Advanced Synthesis and Catalysis, 2018, 360, 3150-3156.	4.3	11
27	Recent Progress in Biomassâ€Derived Electrode Materials for High Volumetric Performance Supercapacitors. Advanced Energy Materials, 2018, 8, 1801007.	19.5	213
28	Strong Graphene 3D Assemblies with High Elastic Recovery and Hardness. Advanced Materials, 2018, 30, e1707424.	21.0	22
29	Formation of Au Nanoparticles at the Counter Electrode During the Oscillatory Oxidation of Methionine on a Gold Electrode. Journal of Physical Chemistry C, 2017, 121, 14731-14736.	3.1	5
30	Urchin-shaped MoS2â€“Cd0.8Zn0.2S nanocomposites with greatly enhanced and long-lasting photocatalytic activity. International Journal of Hydrogen Energy, 2017, 42, 18824-18831.	7.1	18
31	A Twoâ€step Strategy for the Selective and Sensitive Detection of Dopamine with Glassy Carbon Electrodes. Electroanalysis, 2017, 29, 208-212.	2.9	7
32	Complex Nonlinear Behavior in the Bromateâ€“2â€Aminophenol Reaction. International Journal of Chemical Kinetics, 2017, 49, 21-27.	1.6	5
33	Nonlinear Instabilities during the Electrochemical Oxidation of Hydroxymethanesulfinate. Electrochimica Acta, 2016, 222, 678-684.	5.2	7
34	Highly sensitive and selective electrochemical detection of Hg2+ through surface-initiated enzymatic polymerization. Biosensors and Bioelectronics, 2016, 80, 105-110.	10.1	30
35	New Experimental Insights into the Bromate â€“ 4-Aminophenol Photochemical Oscillations. Zeitschrift Fur Physikalische Chemie, 2015, 229, 365-376.	2.8	1
36	Transient Chemical Oscillations in the 4â€(N,Nâ€Dimethylamino) Benzoic Acidâ€“Bromate Reaction. International Journal of Chemical Kinetics, 2015, 47, 411-419.	1.6	5

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37	Complex Spatiotemporal Behavior in the Photosensitive Ferroinâ€“Bromateâ€“4-Nitrophenol Reaction. Journal of Physical Chemistry A, 2015, 119, 3323-3328.	2.5	4
38	A Versatile Strategy for Shish-Kebab-like Multi-heterostructured Chalcogenides and Enhanced Photocatalytic Hydrogen Evolution. Journal of the American Chemical Society, 2015, 137, 11004-11010.	13.7	95
39	Cascade signal amplification for electrochemical immunosensing by integrating biobarcode probes, surface-initiated enzymatic polymerization and silver nanoparticle deposition. Biosensors and Bioelectronics, 2015, 66, 177-183.	10.1	31
40	Complex Reaction Dynamics in the Ceriumâ€“Bromateâ€“2-Methyl-1,4-hydroquinone Photoreaction. Journal of Physical Chemistry A, 2014, 118, 9795-9800.	2.5	7
41	Mixed mode and sequential oscillations in the cerium-bromate-4-aminophenol photoreaction. Chaos, 2013, 23, 033120.	2.5	10
42	The Preparation of Hierarchical Flowerlike NiO/Reduced Graphene Oxide Composites for High Performance Supercapacitor Applications. Energy & Fuels, 2013, 27, 6304-6310.	5.1	111
43	Electrochemical Recognition of Chiral Molecules with Poly(4â€bromoaniline) Modified Gold Electrode. Electroanalysis, 2013, 25, 1975-1980.	2.9	8
44	A Simple Route of Modifying Copper Electrodes for the Determination of Methanol and Ethylene Glycol. Electroanalysis, 2012, 24, 1639-1645.	2.9	13
45	Fabrication of Te@Pd Coreâ€“Shell Hybrids for Efficient Câ€“C Coupling Reactions. Journal of Physical Chemistry C, 2012, 116, 7416-7420.	3.1	8
46	Photoelectrochemical chiral sensing on the basis of TiO2â€“metal complex hybrid film. Journal of Electroanalytical Chemistry, 2012, 674, 97-102.	3.8	8
47	Complex kinetics and significant influences of bromine removal in ferroinâ€“bromateâ€“metol reaction. Physical Chemistry Chemical Physics, 2011, 13, 15539.	2.8	9
48	A rapid green route for fabricating efficient SERS substrates. Green Chemistry, 2011, 13, 2831.	9.0	9
49	CO₂ production in the bromateâ€1,4â€cyclohexanedione oscillatory reaction. Journal of Physical Organic Chemistry, 2011, 24, 507-512.	1.9	6
50	Synthesis, characterization and optical properties of flower-like tellurium. CrystEngComm, 2010, 12, 166-171.	2.6	40
51	Large-scale synthesis of feather-like single-crystal Te via a biphasic interfacial reaction route. CrystEngComm, 2010, 12, 3852.	2.6	18
52	Ferroin-Induced Complex Oscillations in the Bromateâ^'Hydroquinone Photochemical Reaction. Journal of Physical Chemistry A, 2009, 113, 6297-6300.	2.5	10
53	Chemical oscillations in the 4-aminophenolâ€“bromate photoreaction. Chemical Physics Letters, 2007, 439, 337-341.	2.6	17
54	Sequential Waves in a Modified Belousovâ^'Zhabotinsky Medium. Journal of Physical Chemistry C, 2007, 111, 10639-10643.	3.1	3

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55	Dynamic Instabilities and Mechanism of the Electrochemical Oxidation of Thiosulfate. Journal of Physical Chemistry B, 2006, 110, 26098-26104.	2.6	19
56	Collective reaction behavior of an oscillating system coupled with an excitable reaction. Journal of Chemical Physics, 2006, 124, 234502.	3.0	2
57	Coexistence of Two Bifurcation Regimes in a Closed Ferroin-Catalyzed Belousovâ^'Zhabotinsky Reaction. Journal of Physical Chemistry A, 2005, 109, 1374-1381.	2.5	16
58	Stirring-Controlled Bifurcations in the 1,4-Cyclohexanedioneâ^'Bromate Reaction. Journal of Physical Chemistry A, 2005, 109, 3647-3651.	2.5	9
59	Photocontrolled oscillatory dynamics in the bromate-1,4-cyclohexanedione reaction. Journal of Chemical Physics, 2004, 121, 10138-10144.	3.0	16
60	Uncertain dynamics in nonlinear chemical reactions. Physical Chemistry Chemical Physics, 2003, 5, 5444.	2.8	21
61	The influence of visible light on the formation of revival waves in the 1,4-cyclohexanedioneâ€“bromateâ€“ferroin reaction. Physical Chemistry Chemical Physics, 2003, 5, 3188-3192.	2.8	16
62	Backfiring and nonannihilation collisions in the Belousovâ€“Zhabotinsky medium. Journal of Chemical Physics, 2003, 119, 7924-7930.	3.0	4
63	Complex dynamics in a nonlinear chemical system switching between two stable stationary states. Journal of Chemical Physics, 2003, 119, 3626-3630.	3.0	9
64	Wave Propagation in Subexcitable Media with Periodically Modulated Excitability. Physical Review Letters, 2001, 86, 1646-1649.	7.8	76
65	Noise Driven Avalanche Behavior in Subexcitable Media. Physical Review Letters, 1999, 82, 855-858.	7.8	118
66	Noise-supported travelling waves in sub-excitable media. Nature, 1998, 391, 770-772.	27.8	309
67	Oxygen Influence on Complex Oscillations in a Closed Belousovâ^'Zhabotinsky Reaction. The Journal of Physical Chemistry, 1996, 100, 17593-17598.	2.9	33
68	Transient Complex Oscillations in the Closed Belousov-Zhabotinsky Reaction: Experimental and Computational Studies. Zeitschrift Fur Physikalische Chemie, 1995, 192, 63-76.	2.8	17
69	Mixed-valent copper chalcogenides fabricated through the underpotential electrochemical oxidation of copper substrate. Journal of Materials Science, 0, , 1.	3.7	0