

Jichang Wang

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/1747839/publications.pdf>

Version: 2024-02-01

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	Noise-supported travelling waves in sub-excitable media. <i>Nature</i> , 1998, 391, 770-772.	27.8	309
2	Recent Progress in Biomass-Derived Electrode Materials for High Volumetric Performance Supercapacitors. <i>Advanced Energy Materials</i> , 2018, 8, 1801007.	19.5	213
3	High Volumetric Capacitance, Ultralong Life Supercapacitors Enabled by Waxberry-Derived Hierarchical Porous Carbon Materials. <i>Advanced Energy Materials</i> , 2018, 8, 1702695.	19.5	204
4	Heteroatom-Doped Porous Carbon Materials with Unprecedented High Volumetric Capacitive Performance. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 2397-2401.	13.8	178
5	Hybrid Organic-Inorganic Thermoelectric Materials and Devices. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 15206-15226.	13.8	138
6	Noise Driven Avalanche Behavior in Subexcitable Media. <i>Physical Review Letters</i> , 1999, 82, 855-858.	7.8	118
7	The Preparation of Hierarchical Flowerlike NiO/Reduced Graphene Oxide Composites for High Performance Supercapacitor Applications. <i>Energy & Fuels</i> , 2013, 27, 6304-6310.	5.1	111
8	Origins of Boosted Charge Storage on Heteroatom-Doped Carbons. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 7928-7933.	13.8	102
9	A Versatile Strategy for Shish-Kebab-like Multi-heterostructured Chalcogenides and Enhanced Photocatalytic Hydrogen Evolution. <i>Journal of the American Chemical Society</i> , 2015, 137, 11004-11010.	13.7	95
10	Wave Propagation in Subexcitable Media with Periodically Modulated Excitability. <i>Physical Review Letters</i> , 2001, 86, 1646-1649.	7.8	76
11	Insights of Heteroatoms Doping-Enhanced Bifunctionalities on Carbon Based Energy Storage and Conversion. <i>Advanced Functional Materials</i> , 2021, 31, 2009109.	14.9	58
12	Tailoring Hierarchically Porous Nitrogen, Sulfur-Codoped Carbon for High-Performance Supercapacitors and Oxygen Reduction. <i>Small</i> , 2020, 16, e1906584.	10.0	43
13	Mild-Temperature Solution-Assisted Encapsulation of Phosphorus into ZIF-8 Derived Porous Carbon as Lithium-Ion Battery Anode. <i>Small</i> , 2020, 16, e1907141.	10.0	42
14	Synthesis, characterization and optical properties of flower-like tellurium. <i>CrystEngComm</i> , 2010, 12, 166-171.	2.6	40
15	Challenges of layer-structured cathodes for sodium-ion batteries. <i>Nanoscale Horizons</i> , 2022, 7, 338-351.	8.0	37
16	Heteroatom-Doped Porous Carbon Materials with Unprecedented High Volumetric Capacitive Performance. <i>Angewandte Chemie</i> , 2019, 131, 2419-2423.	2.0	34
17	Oxygen Influence on Complex Oscillations in a Closed Belousov-Zhabotinsky Reaction. <i>The Journal of Physical Chemistry</i> , 1996, 100, 17593-17598.	2.9	33
18	Urchin-Shaped Bi ₂ S ₃ /Cu ₂ S/Cu ₃ BiS ₃ Composites with Enhanced Photothermal and CT Imaging Performance. <i>Journal of Physical Chemistry C</i> , 2018, 122, 3794-3800.	3.1	32

#	ARTICLE	IF	CITATIONS
19	Cascade signal amplification for electrochemical immunosensing by integrating biobarcode probes, surface-initiated enzymatic polymerization and silver nanoparticle deposition. <i>Biosensors and Bioelectronics</i> , 2015, 66, 177-183.	10.1	31
20	Highly sensitive and selective electrochemical detection of Hg ²⁺ through surface-initiated enzymatic polymerization. <i>Biosensors and Bioelectronics</i> , 2016, 80, 105-110.	10.1	30
21	Strong Graphene 3D Assemblies with High Elastic Recovery and Hardness. <i>Advanced Materials</i> , 2018, 30, e1707424.	21.0	22
22	Uncertain dynamics in nonlinear chemical reactions. <i>Physical Chemistry Chemical Physics</i> , 2003, 5, 5444.	2.8	21
23	Dynamic Instabilities and Mechanism of the Electrochemical Oxidation of Thiosulfate. <i>Journal of Physical Chemistry B</i> , 2006, 110, 26098-26104.	2.6	19
24	Understanding the Ni-rich layered structure materials for high-energy density lithium-ion batteries. <i>Materials Chemistry Frontiers</i> , 2021, 5, 2607-2622.	5.9	19
25	Large-scale synthesis of feather-like single-crystal Te via a biphasic interfacial reaction route. <i>CrystEngComm</i> , 2010, 12, 3852.	2.6	18
26	Urchin-shaped MoS ₂ @Cd _{0.8} Zn _{0.2} S nanocomposites with greatly enhanced and long-lasting photocatalytic activity. <i>International Journal of Hydrogen Energy</i> , 2017, 42, 18824-18831.	7.1	18
27	Transient Complex Oscillations in the Closed Belousov-Zhabotinsky Reaction: Experimental and Computational Studies. <i>Zeitschrift Fur Physikalische Chemie</i> , 1995, 192, 63-76.	2.8	17
28	Chemical oscillations in the 4-aminophenol@bromate photoreaction. <i>Chemical Physics Letters</i> , 2007, 439, 337-341.	2.6	17
29	The influence of visible light on the formation of revival waves in the 1,4-cyclohexanedione@bromate@ferroin reaction. <i>Physical Chemistry Chemical Physics</i> , 2003, 5, 3188-3192.	2.8	16
30	Photocontrolled oscillatory dynamics in the bromate-1,4-cyclohexanedione reaction. <i>Journal of Chemical Physics</i> , 2004, 121, 10138-10144.	3.0	16
31	Coexistence of Two Bifurcation Regimes in a Closed Ferroin-Catalyzed Belousov@Zhabotinsky Reaction. <i>Journal of Physical Chemistry A</i> , 2005, 109, 1374-1381.	2.5	16
32	Electrochemical Synthesis of (poly)Dimethoxyaniline on Glassy Carbon Electrodes and Their Applications in the Detection of L- and D-Glutamic Acids. <i>Journal of the Electrochemical Society</i> , 2019, 166, B3066-B3071.	2.9	16
33	Development of novel highly stable synergistic quaternary photocatalyst for the efficient hydrogen evolution reaction. <i>Applied Surface Science</i> , 2020, 510, 145498.	6.1	16
34	Novel engineering of ruthenium@based electrocatalysts for acidic water oxidation: A mini review. <i>Engineering Reports</i> , 2021, 3, e12437.	1.7	14
35	A Simple Route of Modifying Copper Electrodes for the Determination of Methanol and Ethylene Glycol. <i>Electroanalysis</i> , 2012, 24, 1639-1645.	2.9	13
36	Oxidative Coupling of Aromatic Amines and Nitrosoarenes: Iodine@Mediated Formation of Unsymmetrical Aromatic Azoxy Compounds. <i>Advanced Synthesis and Catalysis</i> , 2018, 360, 3150-3156.	4.3	11

#	ARTICLE	IF	CITATIONS
37	Ferriin-Induced Complex Oscillations in the Bromate-Hydroquinone Photochemical Reaction. <i>Journal of Physical Chemistry A</i> , 2009, 113, 6297-6300.	2.5	10
38	Mixed mode and sequential oscillations in the cerium-bromate-4-aminophenol photoreaction. <i>Chaos</i> , 2013, 23, 033120.	2.5	10
39	Complex dynamics in a nonlinear chemical system switching between two stable stationary states. <i>Journal of Chemical Physics</i> , 2003, 119, 3626-3630.	3.0	9
40	Stirring-Controlled Bifurcations in the 1,4-Cyclohexanedione-Bromate Reaction. <i>Journal of Physical Chemistry A</i> , 2005, 109, 3647-3651.	2.5	9
41	Complex kinetics and significant influences of bromine removal in ferriin-bromate-metal reaction. <i>Physical Chemistry Chemical Physics</i> , 2011, 13, 15539.	2.8	9
42	A rapid green route for fabricating efficient SERS substrates. <i>Green Chemistry</i> , 2011, 13, 2831.	9.0	9
43	Qualitative dependence of the electro-oxidation behavior of sulfite on solution pH. <i>Journal of Electroanalytical Chemistry</i> , 2018, 816, 1-6.	3.8	9
44	Facile synthesis of Cu _x S coated electrodes for the efficient hydrogen evolution reaction. <i>Applied Surface Science</i> , 2020, 513, 145785.	6.1	9
45	Fabrication of Te@Pd Core-Shell Hybrids for Efficient C-C Coupling Reactions. <i>Journal of Physical Chemistry C</i> , 2012, 116, 7416-7420.	3.1	8
46	Photoelectrochemical chiral sensing on the basis of TiO ₂ -metal complex hybrid film. <i>Journal of Electroanalytical Chemistry</i> , 2012, 674, 97-102.	3.8	8
47	Electrochemical Recognition of Chiral Molecules with Poly(4-bromoaniline) Modified Gold Electrode. <i>Electroanalysis</i> , 2013, 25, 1975-1980.	2.9	8
48	Titanium and nitrogen co-doped porous carbon for high-performance supercapacitors. <i>Materials Chemistry Frontiers</i> , 2021, 5, 3628-3635.	5.9	8
49	Complex Reaction Dynamics in the Cerium-Bromate-2-Methyl-1,4-hydroquinone Photoreaction. <i>Journal of Physical Chemistry A</i> , 2014, 118, 9795-9800.	2.5	7
50	Nonlinear Instabilities during the Electrochemical Oxidation of Hydroxymethanesulfinate. <i>Electrochimica Acta</i> , 2016, 222, 678-684.	5.2	7
51	A Two-step Strategy for the Selective and Sensitive Detection of Dopamine with Glassy Carbon Electrodes. <i>Electroanalysis</i> , 2017, 29, 208-212.	2.9	7
52	CO ₂ production in the bromate-1,4-cyclohexanedione oscillatory reaction. <i>Journal of Physical Organic Chemistry</i> , 2011, 24, 507-512.	1.9	6
53	Transient Chemical Oscillations in the 4-(Dimethylamino) Benzoic Acid-Bromate Reaction. <i>International Journal of Chemical Kinetics</i> , 2015, 47, 411-419.	1.6	5
54	Formation of Au Nanoparticles at the Counter Electrode During the Oscillatory Oxidation of Methionine on a Gold Electrode. <i>Journal of Physical Chemistry C</i> , 2017, 121, 14731-14736.	3.1	5

#	ARTICLE	IF	CITATIONS
55	Complex Nonlinear Behavior in the Bromate–Aminophenol Reaction. <i>International Journal of Chemical Kinetics</i> , 2017, 49, 21-27.	1.6	5
56	One-step facile synthesis of PbS quantum dots/Pb (DMDC) 2 hybrids and their application as a low-cost SERS substrate. <i>Journal of Raman Spectroscopy</i> , 2019, 50, 1445-1451.	2.5	5
57	Backfiring and nonannihilation collisions in the Belousov–Zhabotinsky medium. <i>Journal of Chemical Physics</i> , 2003, 119, 7924-7930.	3.0	4
58	Complex Spatiotemporal Behavior in the Photosensitive Ferriin–Bromate–4-Nitrophenol Reaction. <i>Journal of Physical Chemistry A</i> , 2015, 119, 3323-3328.	2.5	4
59	Sequential Waves in a Modified Belousov–Zhabotinsky Medium. <i>Journal of Physical Chemistry C</i> , 2007, 111, 10639-10643.	3.1	3
60	Porous Carbon Spheres with Ultra-fine Fe ₂ N Active Phase for Efficient Electrocatalytic Oxygen Reduction. <i>Journal of Electronic Materials</i> , 2021, 50, 3078-3083.	2.2	3
61	Advanced TexSy-C Nanocomposites for High-Performance Lithium Ion Batteries. <i>Frontiers in Chemistry</i> , 2021, 9, 687392.	3.6	3
62	Collective reaction behavior of an oscillating system coupled with an excitable reaction. <i>Journal of Chemical Physics</i> , 2006, 124, 234502.	3.0	2
63	Efficient Electrochemical Reduction of Oxygen Catalyzed by Porous Carbon Containing Trace Amount of Metal Residues. <i>Electroanalysis</i> , 2018, 30, 2768-2773.	2.9	2
64	Long-Lasting Complex Reaction Behavior in a Closed Ferriin–Bromate–Hydroxybenzenesulfonate System. <i>Journal of Physical Chemistry A</i> , 2018, 122, 8301-8307.	2.5	2
65	Manipulating the Polymerization of 3,5-Diaminobenzoic Acid with a Bromate Oscillator. <i>Journal of Physical Chemistry C</i> , 2020, 124, 4637-4643.	3.1	2
66	New Experimental Insights into the Bromate – 4-Aminophenol Photochemical Oscillations. <i>Zeitschrift Fur Physikalische Chemie</i> , 2015, 229, 365-376.	2.8	1
67	Electrochemical Preparation of Copper Nanoparticles in an Oscillatory Belousov–Zhabotinsky Medium. <i>Journal of Physical Chemistry C</i> , 2022, 126, 11103-11110.	3.1	1
68	Drastic effects of an inert Pt wire on the redox behavior of the Belousov–Zhabotinsky reaction. <i>Chaos</i> , 2022, 32, 073111.	2.5	1
69	Mixed-valent copper chalcogenides fabricated through the underpotential electrochemical oxidation of copper substrate. <i>Journal of Materials Science</i> , 0, , 1.	3.7	0