Xin Chen

List of Publications by Year in descending order

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55 papers	2,389 citations	430874 18 h-index	206112 48 g-index
57 all docs	57 docs citations	57 times ranked	3067 citing authors

#	Article	IF	Citations
1	Synthesis of VS₂/NiS Nanocomposites by In Situ Growing NiS Clusters on VS₂ Ultrathin Nanoplates for High Performance Supercapacitors. ChemElectroChem, 2022, 9, .	3.4	4
2	Cover Feature: Synthesis of VS ₂ /NiS Nanocomposites by In Situ Growing NiS Clusters on VS ₂ Ultrathin Nanoplates for High Performance Supercapacitors (ChemElectroChem) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50	3.4	1
3	Enlisting a Traditional Chinese Medicine to tune the gelation kinetics of a bioactive tissue adhesive for fast hemostasis or minimally invasive therapy. Bioactive Materials, 2021, 6, 905-917.	15.6	28
4	Preparation and Characterization of Porous Carbon from Mixed Leaves for Highâ€Performance Supercapacitors. Chinese Journal of Chemistry, 2021, 39, 353-359.	4.9	12
5	Synergy between Structure Characteristics and the Solution Chemistry in a Near/Non-Equilibrium Oxidative Etching of Penta-Twinned Palladium Nanorods. Journal of Physical Chemistry C, 2021, 125, 4010-4020.	3.1	8
6	Facile and Green Synthesis of Clean Porous Pd/2D-material Nanocomposites with Improved Catalytic Properties in 4-nitrophenol Reduction Reaction - The First Part. Current Chinese Science, 2021, 1, 252-259.	0.5	0
7	A Novel Strategy of Multiâ€element Nanocomposite Synthesis for High Performance <scp>ZnOâ€CoSe₂</scp> Supercapacitor Material Development. Chinese Journal of Chemistry, 2021, 39, 2441-2450.	4.9	16
8	Rationally designed protein cross-linked hydrogel for bone regeneration via synergistic release of magnesium and zinc ions. Biomaterials, 2021, 274, 120895.	11.4	55
9	Rational synthesis of porous CuO/Cu2O/NiCo2O4 3D composites for high-performance supercapacitors. Journal of Materials Research, 2021, 36, 387-396.	2.6	4
10	Rational synthesis of Cu7Se4-CuxCo1-xSe2 double-shell hollow nanospheres for high performance supercapacitors. Journal of Power Sources, 2020, 480, 228741.	7.8	39
11	In Situ Liquid Cell Transmission Electron Microscopy Observation of Dynamic Process of Oleic Acid Emulsion with Gold Nanorods. Journal of Physical Chemistry C, 2020, 124, 26018-26025.	3.1	5
12	Unveiling Growth Pathways of Multiply Twinned Gold Nanoparticles by In Situ Liquid Cell Transmission Electron Microscopy. ACS Nano, 2020, 14, 9594-9604.	14.6	36
13	The ultralong cycle life of solid flexible asymmetric supercapacitors based on nickel vanadium sulfide nanospheres. CrystEngComm, 2020, 22, 5226-5236.	2.6	12
14	Interactions of sub-five-nanometer diameter colloidal palladium nanoparticles in solution investigated via liquid cell transmission electron microscopy. RSC Advances, 2020, 10, 34781-34787.	3.6	4
15	Coupling PEG-LZM polymer networks with polyphenols yields suturable biohydrogels for tissue patching. Biomaterials Science, 2020, 8, 3334-3347.	5.4	15
16	Facile and green synthesis of Au nanorods/graphene oxide nanocomposite with excellent catalytic properties for reduction of 4-nitrophenol. Journal of Materials Science, 2020, 55, 5880-5891.	3.7	23
17	In situliquid cell TEM observation of solution-mediated interaction behaviour of Au/CdS nanoclusters. New Journal of Chemistry, 2019, 43, 12548-12554.	2.8	7
18	Dynamics of amphiphilic block copolymers in an aqueous solution: direct imaging of micelle formation and nanoparticle encapsulation. Nanoscale, 2019, 11, 2299-2305.	5.6	40

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19	Facile Synthesis and in situ TEM Observation of Nanoporous Pd for Enhanced Catalytic Applications. Chinese Journal of Chemistry, 2019, 37, 565-569.	4.9	4
20	A PEG-Lysozyme hydrogel harvests multiple functions as a fit-to-shape tissue sealant for internal-use of body. Biomaterials, 2019, 192, 392-404.	11.4	89
21	Observation of the Gold Nanorods/Graphene Composite Formation and Motion with in situ Liquid Cell Transmission Electron Microscopy. Wuli Huaxue Xuebao/ Acta Physico - Chimica Sinica, 2019, 35, 808-815.	4.9	3
22	In-situ liquid-cell TEM study of radial flow-guided motion of octahedral Au nanoparticles and nanoparticle clusters. Nano Research, 2018, 11, 4697-4707.	10.4	17
23	A hyperbranched amphiphilic acetal polymer for pH-sensitive drug delivery. Polymer Chemistry, 2018, 9, 169-177.	3.9	42
24	Revealing the microscopic CVD growth mechanism of MoSe2 and the role of hydrogen gas during the growth procedure. Nanotechnology, 2018, 29, 314001.	2.6	18
25	Direct Observation of Growth and Selfâ€assembly of Pt Nanoclusters in Water with the Aid of a Triblock Polymer Using in situ Liquid Cell Transmission Electron Microscopy (<scp>TEM</scp>). Chinese Journal of Chemistry, 2017, 35, 1278-1283.	4.9	4
26	Hollow cubic double layer structured Cu₇S₄/NiS nanocomposites for high-performance supercapacitors. Journal of Materials Chemistry A, 2017, 5, 20729-20736.	10.3	37
27	Abnormal gas-liquid-solid phase transition behaviour of water observed with in situ environmental SEM. Scientific Reports, 2017, 7, 46680.	3.3	11
28	One step photochemical synthesis of clean surfaced sponge-like porous platinum with high catalytic performances. Journal of Colloid and Interface Science, 2017, 487, 60-67.	9.4	12
29	Back Cover: Direct Observation of Growth and Self-assembly of Pt Nanoclusters in Water with the Aid of a Triblock Polymer Using in situ Liquid Cell Transmission Electron Microscopy (TEM) (Chin. J. Chem.) Tj ETQq1 1 0.784314 rgBT /Over	4.9	1
30	The development and applications of <italic>in situ</italic> liquid chamber TEM technologies. Chinese Science Bulletin, 2017, 62, 2886-2892.	0.7	4
31	Characterization of Heterostructural Palladium Deposition on Spherical Gold Nanoparticles by <i>In situ</i> Liquid Cell Transmission Electron Microscopy. Wuli Huaxue Xuebao/ Acta Physico - Chimica Sinica, 2017, 33, 458-463.	4.9	1
32	GSH-responsive polymeric micelles based on the thioâ€“ene reaction for controlled drug release. RSC Advances, 2016, 6, 80896-80904.	3.6	9
33	La0.6Sr0.4CoO3â^Î´ â€“Ce0.8Gd0.2O2â^Î´ nanocomposites prepared by a solâ€“gel process for intermediate temperature solid oxide fuel cell cathode applications. Journal of Materials Science, 2016, 51, 2160-2167.	3.7	11
34	A Structural Study ofEscherichia coliCells Using anIn SituLiquid Chamber TEM Technology. Journal of Analytical Methods in Chemistry, 2015, 2015, 1-7.	1.6	10
35	Recent developments of the in situ wet cell technology for transmission electron microscopies. Nanoscale, 2015, 7, 4811-4819.	5.6	48
36	Effects Associated with Nanostructure Fabrication Using In Situ Liquid Cell TEM Technology. Nano-Micro Letters, 2015, 7, 385-391.	27.0	4

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37	Ultrasonic Synthesis of Au/AgCl Hybrid Cubes and Their Evolution Under Electron Beam Irradiation. Nano, 2015, 10, 1550086.	1.0	0
38	A Study of Electron Beam Induced Deposition and Nano Device Fabrication Using Liquid Cell TEM Technology. Chinese Journal of Chemistry, 2014, 32, 399-404.	4.9	6
39	Large Area and Depth-Profiling Dislocation Imaging and Strain Analysis in Si/SiGe/Si Heterostructures. Microscopy and Microanalysis, 2014, 20, 1521-1527.	0.4	3
40	High performance visible light driven photocatalysts silver halides and graphitic carbon nitride (X =) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50	9.4	55
41	Electron beam induced deposition of silicon nanostructures from a liquid phase precursor. Nanotechnology, 2012, 23, 385302.	2.6	32
42	A Study of Nano Materials and Their Reactions in Liquid Using in situ Wet Cell TEM Technology. Chinese Journal of Chemistry, 2012, 30, 2839-2843.	4.9	13
43	In situ wet-cell TEM observation of gold nanoparticle motion in an aqueous solution. Nanoscale Research Letters, 2012, 7, 598.	5.7	34
44	Electrical conductivity of epitaxial La0.6Sr0.4Co0.2Fe0.8O3â˜Î´ thin films grown by pulsed laser deposition. International Journal of Hydrogen Energy, 2010, 35, 12443-12448.	7.1	38
45	Nanostructured thin solid oxide fuel cells with high power density. Dalton Transactions, 2008, , 5501.	3.3	51
46	Growth of (001) oriented La0.5Sr0.5CoO3 films directly on SiO2/Si substrate by pulsed laser deposition. Thin Solid Films, 2006, 497, 329-332.	1.8	5
47	Buffer-Enhanced Electrical-Pulse-Induced Resistive Memory Effect in Thin Film Perovskites. Japanese Journal of Applied Physics, 2006, 45, 1602-1606.	1.5	12
48	Spatially extended nature of resistive switching in perovskite oxide thin films. Applied Physics Letters, 2006, 89, 063507.	3.3	92
49	Structural identification of a bacterial quorum-sensing signal containing boron. Nature, 2002, 415, 545-549.	27.8	1,379
50	Structure and conducting properties of La0.5Sr0.5CoO3â˜Î´ films on YSZ. Thin Solid Films, 1999, 350, 130-137.	1.8	21
51	Effect of rapid thermal annealing on Tiâ€“AlN interfaces. Applied Surface Science, 1999, 148, 235-240.	6.1	2
52	A study of the composition distribution at the interface using the MCs+-SIMS technique. Applied Surface Science, 1995, 89, 169-173.	6.1	5
53	Perovskite RRAM devices with metal/insulator/PCMO/metal heterostructures. , 0, , .		3
54	Temperature Control in Liquid Cells for TEM. , 0, , 127-139.		1

#	Article	IF	Citations
55	In situ liquid cell TEM and SEM observation of the CdS-graphene oxide nanocomposite. Journal of Materials Research, 0, , .	2.6	2