Jiaxiang Huang

List of Publications by Year in Descending Order

200 papers	32,885 citations	84 h-index	181 g-index
274 ext. papers	35,359 ext. citations	11 avg, IF	7.46 L-index

#	Paper	IF	Citations
200	Chemical Passivation Stabilizes Zn Anode.. *Advanced Materials*, **2022**, e2109872	24	9
199	Rub-Resistant Antibacterial Surface Conversion Layer on Stainless Steel (Adv. Mater. Interfaces 11/2022). *Advanced Materials Interfaces*, **2022**, 9, 2270060	4.6	
198	Investigating the effect of graphene oxide in chitosan/alginate-based foams on the release and antifungal activity of clotrimazole in vitro.. *European Journal of Pharmaceutical Sciences*, **2022**, 106204	5.1	1
197	Self-Charging Textile Woven from Dissimilar Household Fibers for Air Filtration: A Proof of Concept. *ACS Omega*, **2021**, 6, 26311-26317	3.9	1
196	Polysketch Pen: Drawing from Materials Chemistry to Create Interactive Art and Sensors Using a Polyaniline Ink. *Journal of Chemical Education*, **2021**, 98, 2055-2061	2.4	1
195	Detrimental Effects of Surface Imperfections and Unpolished Edges on the Cycling Stability of a Zinc Foil Anode. *ACS Energy Letters*, **2021**, 6, 1990-1995	20.1	31
194	Geometry-Dependent Thermal Reduction of Graphene Oxide Solid **2021**, 3, 511-515		9
193	Bulk Nanostructured Metal from Multiply-Twinned Nanowires. *Nano Letters*, **2021**, 21, 5627-5632	11.5	
192	Glycol-Thermal Continuous Flow Synthesis of Graphene Gel. *ACS Omega*, **2021**, 6, 18663-18667	3.9	
191	Spray-coated barrier coating on copper based on exfoliated vermiculite sheets. *Materials Chemistry Frontiers*, **2021**, 5, 4658-4663	7.8	3
190	Droplet-capturing coatings on environmental surfaces based on cosmetic ingredients. *CheM*, **2021**, 7, 2201-2211	16.2	5
189	Crumpled graphene balls adsorb micropollutants from water selectively and rapidly. *Carbon*, **2021**, 183, 958-969	10.4	3
188	Confronting Racism in Chemistry Journals. *ACS Applied Nano Materials*, **2020**, 3, 6131-6133	5.6	
187	Confronting Racism in Chemistry Journals. *ACS Applied Polymer Materials*, **2020**, 2, 2496-2498	4.3	
186	Confronting Racism in Chemistry Journals. *Organometallics*, **2020**, 39, 2331-2333	3.8	
185	Manipulation and Localized Deposition of Particle Groups with Modulated Electric Fields. *Micromachines*, **2020**, 11,	3.3	3
184	Visualizing Transparent 2D Sheets by Fluorescence Quenching Microscopy. *Small Methods*, **2020**, 4, 2000036	12.8	4

183	COVID-19: A Call for Physical Scientists and Engineers. *ACS Nano*, **2020**, 14, 3747-3754	16.7	129
182	Introducing Viewpoints. *Accounts of Materials Research*, **2020**, 1, 115-116	7.5	
181	Fluidized Electrocatalysis. *CCS Chemistry*, **2020**, 2, 31-41	7.2	13
180	Confronting Racism in Chemistry Journals. *Journal of Chemical Health and Safety*, **2020**, 27, 198-200	1.7	
179	Graphene oxide as a functional excipient in buccal films for delivery of clotrimazole: Effect of molecular interactions on drug release and antifungal activity in vitro. *International Journal of Pharmaceutics*, **2020**, 589, 119811	6.5	11
178	Cresol-Carbon Nanotube Charge-Transfer Complex: Stability in Common Solvents and Implications for Solution Processing. *Matter*, **2020**, 3, 302-319	12.7	8
177	On-Mask Chemical Modulation of Respiratory Droplets. *Matter*, **2020**, 3, 1791-1810	12.7	9
176	Oil-Based Self-Healing Barrier Coatings: To Flow and Not to Flow. *Advanced Functional Materials*, **2020**, 30, 1906273	15.6	13
175	Discontinuity-Enhanced Thin Film Electrocatalytic Oxygen Evolution. *Small*, **2019**, 15, e1903363	11	6
174	Binder-free graphene oxide doughs. *Nature Communications*, **2019**, 10, 422	17.4	24
173	Stiffening of graphene oxide films by soft porous sheets. *Nature Communications*, **2019**, 10, 3677	17.4	23
172	Atomically Thin Polymer Layer Enhances Toughness of Graphene Oxide Monolayers. *Matter*, **2019**, 1, 369-388	12.7	16
171	Evaporation-driven crumpling and assembling of two-dimensional (2D) materials: A rotational spring mechanical slider model. *Journal of the Mechanics and Physics of Solids*, **2019**, 133, 103722	5	15
170	Self-Healing Microcapsule-Thickened Oil Barrier Coatings. *Research*, **2019**, 2019, 3517816	7.8	11
169	Self-Healing Microcapsule-Thickened Oil Barrier Coatings. *Research*, **2019**, 2019, 1-9	7.8	1
168	Working with Minions: Assisted Scalable Bio-nanomanufacturing of Functional Materials. *Matter*, **2019**, 1, 1430-1432	12.7	2
167	Electrocatalytic Oxygen Evolution: Discontinuity-Enhanced Thin Film Electrocatalytic Oxygen Evolution (Small 50/2019). *Small*, **2019**, 15, 1970270	11	
166	Effects of Temperature Ramping Ageing on Mechanical Properties and Microstructure of Al-4.11Zn-1.77Mg Alloy. *Jom*, **2019**, 71, 373-381	2.1	1

165	A Cut-and-Paste Approach to 3D Graphene-Oxide-Based Architectures. *Advanced Materials*, **2018**, 30, e1706229	24	36
164	Kirigami nanofluidics. *Materials Chemistry Frontiers*, **2018**, 2, 475-482	7.8	24
163	Lithium-Metal Anodes: Bending-Tolerant Anodes for Lithium-Metal Batteries (Adv. Mater. 1/2018). *Advanced Materials*, **2018**, 30, 1870005	24	2
162	Multifunctional Graphene Hair Dye. *CheM*, **2018**, 4, 784-794	16.2	39
161	Crumpled graphene ball-based broadband solar absorbers. *Nanoscale*, **2018**, 10, 6306-6312	7.7	31
160	Crumpled Graphene Balls Stabilized Dendrite-free Lithium Metal Anodes. *Joule*, **2018**, 2, 184-193	27.8	241
159	Horizontal Centripetal Plating in the Patterned Voids of Li/Graphene Composites for Stable Lithium-Metal Anodes. *CheM*, **2018**, 4, 2192-2200	16.2	90
158	The Role of Water in Mediating Interfacial Adhesion and Shear Strength in Graphene Oxide. *ACS Nano*, **2018**, 12, 6089-6099	16.7	45
157	Bending-Tolerant Anodes for Lithium-Metal Batteries. *Advanced Materials*, **2018**, 30, 1703891	24	95
156	Quantifying Discretization Errors in Electrophoretically-Guided Micro Additive Manufacturing. *Micromachines*, **2018**, 9,	3.3	2
155	Dynamic assembly of liquid crystalline graphene oxide gel fibers for ion transport. *Science Advances* , **2018**, 4, eaau2104	14.3	63
154	Additive-free carbon nanotube dispersions, pastes, gels, and doughs in cresols. *Proceedings of the National Academy of Sciences of the United States of America*, **2018**, 115, 5703-5708	11.5	30
153	No nanosensor and single exhale breathalyzer for asthma monitoring **2017**,		3
152	A cautionary note on graphene anti-corrosion coatings. *Nature Nanotechnology*, **2017**, 12, 834-835	28.7	136
151	Graphene Oxide Sheets in Solvents: To Crumple or Not To Crumple?. *ACS Omega*, **2017**, 2, 8005-8009	3.9	22
150	Ice-templated silicon foams with aligned lamellar channels. *MRS Communications*, **2017**, 7, 928-932	2.7	3
149	Disassembly-Reassembly Approach to RuO /Graphene Composites for Ultrahigh Volumetric Capacitance Supercapacitor. *Small*, **2017**, 13, 1701026	11	85
148	Hot-pressed polymer nanofiber supported graphene membrane for high-performance nanofiltration. *Nanotechnology*, **2017**, 28, 31LT02	3.4	14

147	Control of Selective Ion Transfer across Liquid-Liquid Interfaces: A Rectifying Heterojunction Based on Immiscible Electrolytes. *ACS Central Science*, **2016**, 2, 857-866	16.8	5
146	One-Step Formation of Silicon-Graphene Composites from Silicon Sludge Waste and Graphene Oxide via Aerosol Process for Lithium Ion Batteries. *Scientific Reports*, **2016**, 6, 33688	4.9	19
145	Self-dispersed crumpled graphene balls in oil for friction and wear reduction. *Proceedings of the National Academy of Sciences of the United States of America*, **2016**, 113, 1528-33	11.5	135
144	IONIC TRANSPORT. Two-dimensional nanofluidics. *Science*, **2016**, 351, 1395-6	33.3	182
143	Controlling the metal to semiconductor transition of MoS2 and WS2 in solution. *Journal of the American Chemical Society*, **2015**, 137, 1742-5	16.4	129
142	Self-assembled two-dimensional nanofluidic proton channels with high thermal stability. *Nature Communications*, **2015**, 6, 7602	17.4	158
141	Three-dimensional crumpled graphene-based platinum–gold alloy nanoparticle composites as superior electrocatalysts for direct methanol fuel cells. *Carbon*, **2015**, 93, 869-877	10.4	68
140	Aerosol-assisted extraction of silicon nanoparticles from wafer slicing waste for lithium ion batteries. *Scientific Reports*, **2015**, 5, 9431	4.9	43
139	Bulk Nanostructured Materials Based on Two-Dimensional Building Blocks: A Roadmap. *ACS Nano*, **2015**, 9, 9432-6	16.7	40
138	High-Yield Spreading of Water-Miscible Solvents on Water for Langmuir-Blodgett Assembly. *Journal of the American Chemical Society*, **2015**, 137, 10683-8	16.4	61
137	Intrinsic Bauschinger effect and recoverable plasticity in pentatwinned silver nanowires tested in tension. *Nano Letters*, **2015**, 15, 139-46	11.5	67
136	Plasticity and ductility in graphene oxide through a mechanochemically induced damage tolerance mechanism. *Nature Communications*, **2015**, 6, 8029	17.4	72
135	Molybdenum Sulfide Supported on Crumpled Graphene Balls for Electrocatalytic Hydrogen Production. *Advanced Energy Materials*, **2014**, 4, 1400398	21.8	93
134	Graphene oxide assisted hydrothermal carbonization of carbon hydrates. *ACS Nano*, **2014**, 8, 449-57	16.7	114
133	Graphene Oxide: Some New Insights into an Old Material **2014**, 341-374		6
132	In situ electron microscopy four-point electromechanical characterization of freestanding metallic and semiconducting nanowires. *Small*, **2014**, 10, 725-33	11	31
131	Analytical electron microscopy of a crack tip extracted from a stressed Alloy 800 sample exposed to an acid sulfate environment. *Micron*, **2014**, 61, 62-9	2.3	17
130	Isotropic to Anisotropic Transition Observed in Si Nanoparticles Lithiation by in situ TEM. *Microscopy and Microanalysis*, **2014**, 20, 1652-1653	0.5	

129	On the origin of the stability of graphene oxide membranes in water. *Nature Chemistry*, **2014**, 7, 166-70	17.6	621
128	Pencil drawn strain gauges and chemiresistors on paper. *Scientific Reports*, **2014**, 4, 3812	4.9	111
127	Aerosol Processing of Graphene and Its Application to Oil Absorbent and Glucose Biosensor. *KONA Powder and Particle Journal*, **2014**, 31, 111-125	3.4	9
126	Dynamics of electrochemical lithiation/delithiation of graphene-encapsulated silicon nanoparticles studied by in-situ TEM. *Scientific Reports*, **2014**, 4, 3863	4.9	70
125	Repurposing Blu-ray movie discs as quasi-random nanoimprinting templates for photon management. *Nature Communications*, **2014**, 5, 5517	17.4	49
124	Chemically Exfoliated MoS2 as Near-Infrared Photothermal Agents. *Angewandte Chemie*, **2013**, 125, 4254-4258	3.6	137
123	Synthesis of graphene based noble metal composites for glucose biosensor. *Materials Letters*, **2013**, 106, 277-280	3.3	22
122	Graphene-Induced Adsorptive and Optical Artifacts During In Vitro Toxicology Assays. *Small*, **2013**, 9, 1921-1927	11	37
121	Chemically exfoliated MoS2 as near-infrared photothermal agents. *Angewandte Chemie - International Edition*, **2013**, 52, 4160-4	16.4	491
120	Ligand conjugation of chemically exfoliated MoS2. *Journal of the American Chemical Society*, **2013**, 135, 4584-7	16.4	423
119	Effect of sheet morphology on the scalability of graphene-based ultracapacitors. *ACS Nano*, **2013**, 7, 1464-71	16.7	446
118	Material processing of chemically modified graphene: some challenges and solutions. *Accounts of Chemical Research*, **2013**, 46, 2225-34	24.3	141
117	Enhanced Electrocatalytic Properties of Transition-Metal Dichalcogenides Sheets by Spontaneous Gold Nanoparticle Decoration. *Journal of Physical Chemistry Letters*, **2013**, 4, 1227-32	6.4	281
116	Progress, challenges, and opportunities in two-dimensional materials beyond graphene. *ACS Nano*, **2013**, 7, 2898-926	16.7	3414
115	Seeing two-dimensional sheets on arbitrary substrates by fluorescence quenching microscopy. *Small*, **2013**, 9, 3253-8	11	5
114	One-Step Synthesis of Pt-Nanoparticles-Laden Graphene Crumples by Aerosol Spray Pyrolysis and Evaluation of Their Electrocatalytic Activity. *Aerosol Science and Technology*, **2013**, 47, 93-98	3.4	43
113	Fluorescence Quenching: Seeing Two-Dimensional Sheets on Arbitrary Substrates by Fluorescence Quenching Microscopy (Small 19/2013). *Small*, **2013**, 9, 3252-3252	11	12
112	Crumpled graphene particles for microbial fuel cell electrodes. *Journal of Power Sources*, **2012**, 208, 187-192	8.9	238

111	Energetic graphene oxide: Challenges and opportunities. *Nano Today*, **2012**, 7, 137-152	17.9	235
110	Oil absorbing graphene capsules by capillary molding. *Chemical Communications*, **2012**, 48, 5968-70	5.8	125
109	Nanofluidic ion transport through reconstructed layered materials. *Journal of the American Chemical Society*, **2012**, 134, 16528-31	16.4	302
108	Nanoscale graphene oxide (nGO) as artificial receptors: implications for biomolecular interactions and sensing. *Journal of the American Chemical Society*, **2012**, 134, 16725-33	16.4	171
107	Graphene oxide based conductive glue as a binder for ultracapacitor electrodes. *Journal of Materials Chemistry*, **2012**, 22, 12993		36
106	A glucose biosensor based on TiO2-Graphene composite. *Biosensors and Bioelectronics*, **2012**, 38, 184-8	11.8	165
105	Two dimensional soft material: new faces of graphene oxide. *Accounts of Chemical Research*, **2012**, 45, 1356-64	24.3	502
104	Wire-on-wire growth of fluorescent organic heterojunctions. *Journal of the American Chemical Society*, **2012**, 134, 2880-3	16.4	111
103	Aerosol synthesis of cargo-filled graphene nanosacks. *Nano Letters*, **2012**, 12, 1996-2002	11.5	166
102	Nucleation-controlled distributed plasticity in penta-twinned silver nanowires. *Small*, **2012**, 8, 2986-93	11	83
101	Plasmon Length: A Universal Parameter to Describe Size Effects in Gold Nanoparticles. *Journal of Physical Chemistry Letters*, **2012**, 3, 1479-83	6.4	156
100	Towards solution processed all-carbon solar cells: a perspective. *Energy and Environmental Science*, **2012**, 5, 7810	35.4	81
99	Graphene Oxide:Single-Walled Carbon Nanotube-Based Interfacial Layer for All-Solution-Processed Multijunction Solar Cells in Both Regular and Inverted Geometries. *Advanced Energy Materials*, **2012** , 2, 299-303	21.8	47
98	Graphene Oxide:Single-Walled Carbon Nanotube-Based Interfacial Layer for All-Solution-Processed Multijunction Solar Cells in Both Regular and Inverted Geometries (Adv. Energy Mater. 3/2012). *Advanced Energy Materials*, **2012**, 2, 298-298	21.8	
97	Crumpled Graphene-Encapsulated Si Nanoparticles for Lithium Ion Battery Anodes. *Journal of Physical Chemistry Letters*, **2012**, 3, 1824-9	6.4	419
96	PATTERNING AND ASSEMBLING NANOMATERIALS BY DIP COATING **2012**, 189-233		1
95	Evolution of electrical performance of ZnO-based thin-film transistors by low temperature annealing. *AIP Advances*, **2012**, 2, 022118	1.5	9
94	Steam etched porous graphene oxide network for chemical sensing. *Journal of the American Chemical Society*, **2011**, 133, 15264-7	16.4	267

93	Langmuir-Blodgett Assembly of Soft Carbon Sheets. *Materials Research Society Symposia Proceedings*, **2011**, 1344, 1		
92	Graphene Oxide Interlayers for Robust, High-Efficiency Organic Photovoltaics. *Journal of Physical Chemistry Letters*, **2011**, 2, 3006-3012	6.4	145
91	Compression and aggregation-resistant particles of crumpled soft sheets. *ACS Nano*, **2011**, 5, 8943-9	16.7	424
90	Hydration-responsive folding and unfolding in graphene oxide liquid crystal phases. *ACS Nano*, **2011**, 5, 8019-25	16.7	174
89	Graphene oxide windows for in situ environmental cell photoelectron spectroscopy. *Nature Nanotechnology*, **2011**, 6, 651-7	28.7	177
88	Graphene Oxide as a Two-dimensional Surfactant. *Materials Research Society Symposia Proceedings*, **2011**, 1344, 1		2
87	Drop-casted self-assembling graphene oxide membranes for scanning electron microscopy on wet and dense gaseous samples. *ACS Nano*, **2011**, 5, 10047-54	16.7	95
86	Surfactant-free water-processable photoconductive all-carbon composite. *Journal of the American Chemical Society*, **2011**, 133, 4940-7	16.4	191
85	Sticky interconnect for solution-processed tandem solar cells. *Journal of the American Chemical Society*, **2011**, 133, 9262-5	16.4	162
84	Performance and stability of amorphous InGaZnO thin film transistors with a designed device structure. *Journal of Applied Physics*, **2011**, 110, 084509	2.5	26
83	Construction of an organic crystal structural model based on combined electron and powder X-ray diffraction data and the charge flipping algorithm. *Ultramicroscopy*, **2011**, 111, 812-6	3.1	4
82	Water Processable Graphene Oxide:Single Walled Carbon Nanotube Composite as Anode Modifier for Polymer Solar Cells. *Advanced Energy Materials*, **2011**, 1, 1052-1057	21.8	83
81	Water Processable Graphene Oxide:Single Walled Carbon Nanotube Composite as Anode Modifier for Polymer Solar Cells (Adv. Energy Mater. 6/2011). *Advanced Energy Materials*, **2011**, 1, 1051-1051	21.8	1
80	Cross-Flow Purification of Nanowires. *Angewandte Chemie*, **2011**, 123, 3474-3478	3.6	4
79	Cross-flow purification of nanowires. *Angewandte Chemie - International Edition*, **2011**, 50, 3412-6	16.4	50
78	All-Carbon Composite for Photovoltaics. *Materials Research Society Symposia Proceedings*, **2011**, 1344, 1		
77	Graphene oxide as surfactant sheets. *Pure and Applied Chemistry*, **2010**, 83, 95-110	2.1	326
76	Unraveling the Effects of Size, Composition, and Substrate on the Localized Surface Plasmon Resonance Frequencies of Gold and Silver Nanocubes: A Systematic Single-Particle Approach. *Journal of Physical Chemistry C*, **2010**, 114, 12511-12516	3.8	263

75	Patterned growth of vertically aligned organic nanowire waveguide arrays. *ACS Nano*, **2010**, 4, 1630-6	16.7	128
74	Graphene oxide sheets at interfaces. *Journal of the American Chemical Society*, **2010**, 132, 8180-6	16.4	1380
73	Graphene oxide nanocolloids. *Journal of the American Chemical Society*, **2010**, 132, 17667-9	16.4	320
72	Tunable assembly of graphene oxide surfactant sheets: wrinkles, overlaps and impacts on thin film properties. *Soft Matter*, **2010**, 6, 6096	3.6	189
71	Visualizing graphene based sheets by fluorescence quenching microscopy. *Journal of the American Chemical Society*, **2010**, 132, 260-7	16.4	461
70	Co-Assembly of Nanoparticles in Evaporating Aerosol Droplets: Preparation of Nanoporous Pt/TiO2 Composite Particles. *Aerosol Science and Technology*, **2010**, 44, 1140-1145	3.4	14
69	Growth of Ge Nanowires from Au□u Alloy Nanoparticle Catalysts Synthesized from Aqueous Solution. *Journal of Physical Chemistry Letters*, **2010**, 1, 3360-3365	6.4	22
68	Self-Propagating Domino-like Reactions in Oxidized Graphite. *Advanced Functional Materials*, **2010**, 20, 2867-2873	15.6	271
67	Self-Propagating Domino-like Reactions in Oxidized Graphite. *Advanced Functional Materials*, **2010**, 20, n/a-n/a	15.6	1
66	Graphene oxide: surface activity and two-dimensional assembly. *Advanced Materials*, **2010**, 22, 1954-8	24	537
65	Seeing graphene-based sheets. *Materials Today*, **2010**, 13, 28-38	21.8	147
64	Effect of Size, Shape, Composition, and Support Film on Localized Surface Plasmon Resonance Frequency: A Single Particle Approach Applied to Silver Bipyramids and Gold and Silver Nanocubes. *Materials Research Society Symposia Proceedings*, **2009**, 1208, 1		13
63	Polyaniline nanofibers: a unique polymer nanostructure for versatile applications. *Accounts of Chemical Research*, **2009**, 42, 135-45	24.3	832
62	Langmuir-Blodgett assembly of graphite oxide single layers. *Journal of the American Chemical Society*, **2009**, 131, 1043-9	16.4	1489
61	Direct photonic-plasmonic coupling and routing in single nanowires. *Proceedings of the National Academy of Sciences of the United States of America*, **2009**, 106, 21045-50	11.5	142
60	Vertical organic nanowire arrays: controlled synthesis and chemical sensors. *Journal of the American Chemical Society*, **2009**, 131, 3158-9	16.4	144
59	Construction of evolutionary tree for morphological engineering of nanoparticles. *ACS Nano*, **2009**, 3, 2191-8	16.7	94
58	Flash reduction and patterning of graphite oxide and its polymer composite. *Journal of the American Chemical Society*, **2009**, 131, 11027-32	16.4	743

57	Light emission properties and mechanism of low-temperature prepared amorphous SiNX films. II. Defect states electroluminescence. *Journal of Applied Physics*, **2008**, 104, 083505	2.5	34
56	Construction of a Polyaniline Nanofiber Gas Sensor. *Journal of Chemical Education*, **2008**, 85, 1102	2.4	38
55	Chemical synthesis of gold nanowires in acidic solutions. *Journal of the American Chemical Society*, **2008**, 130, 14442-3	16.4	163
54	Langmuir-Blodgettry of nanocrystals and nanowires. *Accounts of Chemical Research*, **2008**, 41, 1662-73	24.3	393
53	A Semi-transparent Plastic Solar Cell Fabricated by a Lamination Process. *Advanced Materials*, **2008**, 20, 415-419	24	283
52	Charge transfer effect in the polyaniline-gold nanoparticle memory system. *Applied Physics Letters*, **2007**, 90, 053101	3.4	154
51	One-step patterning of aligned nanowire arrays by programmed dip coating. *Angewandte Chemie - International Edition*, **2007**, 46, 2414-7	16.4	142
50	One-Step Patterning of Aligned Nanowire Arrays by Programmed Dip Coating. *Angewandte Chemie*, **2007**, 119, 2466-2469	3.6	22
49	Low-Work-Function Surface Formed by Solution-Processed and Thermally Deposited Nanoscale Layers of Cesium Carbonate. *Advanced Functional Materials*, **2007**, 17, 1966-1973	15.6	297
48	Highly Efficient Red-Emission Polymer Phosphorescent Light-Emitting Diodes Based on Two Novel Tris(1-phenylisoquinolinato-C2,N)iridium(III) Derivatives. *Advanced Materials*, **2007**, 19, 739-743	24	72
47	Necklace-like Noble-Metal Hollow Nanoparticle Chains: Synthesis and Tunable Optical Properties. *Advanced Materials*, **2007**, 19, 2172-2176	24	115
46	Achieving High-Efficiency Polymer White-Light-Emitting Devices. *Advanced Materials*, **2006**, 18, 114-117	24	384
45	The intrinsic nanofibrillar morphology of polyaniline. *Chemical Communications*, **2006**, 367-76	5.8	341
44	A general method for assembling single colloidal particle lines. *Nano Letters*, **2006**, 6, 524-9	11.5	170
43	Syntheses and applications of conducting polymer polyaniline nanofibers. *Pure and Applied Chemistry*, **2006**, 78, 15-27	2.1	283
42	Efficient inverted polymer solar cells. *Applied Physics Letters*, **2006**, 88, 253503	3.4	684
41	Fatigue behaviour of SiCp-reinforced aluminium composites in the very high cycle regime using ultrasonic fatigue. *Fatigue and Fracture of Engineering Materials and Structures*, **2006**, 29, 507-517	3	15
40	Mechanochemical Route to the Conducting Polymer Polyaniline. *Macromolecules*, **2005**, 38, 317-321	5.5	138

39	Camouflaged carborane amphiphiles: synthesis and self-assembly. *Inorganic Chemistry*, **2005**, 44, 7249-58	5.1	23
38	Polyaniline nanofiber/gold nanoparticle nonvolatile memory. *Nano Letters*, **2005**, 5, 1077-80	11.5	760
37	Spontaneous formation of nanoparticle stripe patterns through dewetting. *Nature Materials*, **2005**, 4, 896-900	27	386
36	Polyaniline nanofiber composites with metal salts: chemical sensors for hydrogen sulfide. *Small*, **2005**, 1, 624-7	11	192
35	Polymeric nanocomposite for memory application **2005**, 5940, 254		1
34	Polyelectrolyte-mediated assembly of copper-phthalocyanine tetrasulfonate multilayers and the subsequent production of nanoparticulate copper oxide thin films. *Journal of Nanoscience and Nanotechnology*, **2004**, 4, 628-34	1.3	7
33	Flash welding of conducting polymer nanofibres. *Nature Materials*, **2004**, 3, 783-6	27	210
32	Nanofiber formation in the chemical polymerization of aniline: a mechanistic study. *Angewandte Chemie - International Edition*, **2004**, 43, 5817-21	16.4	605
31	Nanofiber Formation in the Chemical Polymerization of Aniline: A Mechanistic Study. *Angewandte Chemie*, **2004**, 116, 5941-5945	3.6	150
30	Nanostructured polyaniline sensors. *Chemistry - A European Journal*, **2004**, 10, 1314-9	4.8	458
29	A general chemical route to polyaniline nanofibers. *Journal of the American Chemical Society*, **2004**, 126, 851-5	16.4	1227
28	Polyaniline Nanofiber Gas Sensors: Examination of Response Mechanisms. *Nano Letters*, **2004**, 4, 491-496	11.5	936
27	Thermal Stability of Hf-based High-□Dielectric Films on Si(100). *Microscopy and Microanalysis*, **2003**, 9, 506-507	0.5	
26	Polyaniline nanofibers: facile synthesis and chemical sensors. *Journal of the American Chemical Society*, **2003**, 125, 314-5	16.4	1504
25	Enantioselective Discrimination of D- and L-Phenylalanine by Chiral Polyaniline Thin Films. *Advanced Materials*, **2003**, 15, 1158-1161	24	95
24	A novel method for the preparation of III-V semiconductors: sonochemical synthesis of InP nanocrystals. *Ultrasonics Sonochemistry*, **2001**, 8, 331-4	8.9	23
23	Ultrasound-Induced Formation of CdS Nanostructures in Oil-in-Water Microemulsions. *Journal of Colloid and Interface Science*, **2001**, 236, 382-384	9.3	14
22	Sonochemical Synthesis of Nanocrystalline Silver Tellurides Ag2Te and Ag7Te4. *Journal of Solid State Chemistry*, **2001**, 158, 260-263	3.3	26

21	Self-assembly of mesoscopically ordered chromatic polydiacetylene/silica nanocomposites. *Nature*, **2001**, 410, 913-7	50.4	483
20	In-Situ Source□Template□Interface Reaction Route to Semiconductor CdS Submicrometer Hollow Spheres. *Advanced Materials*, **2000**, 12, 808-811	24	274
19	Synthesis and Characterization of Ternary Chalcogenides Ag8SnE6 (E=S, Se). *Journal of Solid State Chemistry*, **2000**, 149, 338-340	3.3	15
18	Synthesis, Characterization, and Properties of Nanocrystalline Cu2SnS3. *Journal of Solid State Chemistry*, **2000**, 153, 170-173	3.3	55
17	A Novel Peanut-like Nanostructure of II□VI Semiconductor CdS and ZnS. *Advanced Materials*, **2000**, 12, 1523-1526	24	99
16	Single-step confined growth of CdSe/polyacrylamide nanocomposites under □rradiation. *Radiation Physics and Chemistry*, **2000**, 58, 287-292	2.5	19
15	Solvothermal synthesis route to ternary chalcogenides Cu(Ag)□PdS. *Inorganic Chemistry Communication*, **2000**, 3, 462-464	3.1	6
14	Solvothermal route to tin monoselenide bulk single crystal with different morphologies. *Inorganic Chemistry*, **2000**, 39, 2061-4	5.1	41
13	Sonochemical Synthesis of Nanocrystalline Copper Tellurides Cu7Te4 and Cu4Te3 at Room Temperature. *Chemistry of Materials*, **2000**, 12, 2614-2616	9.6	71
12	In-Situ Source□Template□nterface Reaction Route to Semiconductor CdS Submicrometer Hollow Spheres **2000**, 12, 808		6
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