

# Jiaxiang Huang

## List of Publications by Citations

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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	Progress, challenges, and opportunities in two-dimensional materials beyond graphene. <i>ACS Nano</i> , <b>2013</b> , 7, 2898-926	16.7	3414
199	Polyaniline nanofibers: facile synthesis and chemical sensors. <i>Journal of the American Chemical Society</i> , <b>2003</b> , 125, 314-5	16.4	1504
198	Langmuir-Blodgett assembly of graphite oxide single layers. <i>Journal of the American Chemical Society</i> , <b>2009</b> , 131, 1043-9	16.4	1489
197	Graphene oxide sheets at interfaces. <i>Journal of the American Chemical Society</i> , <b>2010</b> , 132, 8180-6	16.4	1380
196	A general chemical route to polyaniline nanofibers. <i>Journal of the American Chemical Society</i> , <b>2004</b> , 126, 851-5	16.4	1227
195	Polyaniline Nanofiber Gas Sensors: Examination of Response Mechanisms. <i>Nano Letters</i> , <b>2004</b> , 4, 491-496	11.5	936
194	Polyaniline nanofibers: a unique polymer nanostructure for versatile applications. <i>Accounts of Chemical Research</i> , <b>2009</b> , 42, 135-45	24.3	832
193	Polyaniline nanofiber/gold nanoparticle nonvolatile memory. <i>Nano Letters</i> , <b>2005</b> , 5, 1077-80	11.5	760
192	Flash reduction and patterning of graphite oxide and its polymer composite. <i>Journal of the American Chemical Society</i> , <b>2009</b> , 131, 11027-32	16.4	743
191	Efficient inverted polymer solar cells. <i>Applied Physics Letters</i> , <b>2006</b> , 88, 253503	3.4	684
190	On the origin of the stability of graphene oxide membranes in water. <i>Nature Chemistry</i> , <b>2014</b> , 7, 166-70	17.6	621
189	Nanofiber formation in the chemical polymerization of aniline: a mechanistic study. <i>Angewandte Chemie - International Edition</i> , <b>2004</b> , 43, 5817-21	16.4	605
188	Graphene oxide: surface activity and two-dimensional assembly. <i>Advanced Materials</i> , <b>2010</b> , 22, 1954-8	24	537
187	Two dimensional soft material: new faces of graphene oxide. <i>Accounts of Chemical Research</i> , <b>2012</b> , 45, 1356-64	24.3	502
186	Chemically exfoliated MoS <sub>2</sub> as near-infrared photothermal agents. <i>Angewandte Chemie - International Edition</i> , <b>2013</b> , 52, 4160-4	16.4	491
185	Self-assembly of mesoscopically ordered chromatic polydiacetylene/silica nanocomposites. <i>Nature</i> , <b>2001</b> , 410, 913-7	50.4	483
184	Visualizing graphene based sheets by fluorescence quenching microscopy. <i>Journal of the American Chemical Society</i> , <b>2010</b> , 132, 260-7	16.4	461

183	Nanostructured polyaniline sensors. <i>Chemistry - A European Journal</i> , <b>2004</b> , 10, 1314-9	4.8	458
182	Effect of sheet morphology on the scalability of graphene-based ultracapacitors. <i>ACS Nano</i> , <b>2013</b> , 7, 1464-71	16.7	446
181	Compression and aggregation-resistant particles of crumpled soft sheets. <i>ACS Nano</i> , <b>2011</b> , 5, 8943-9	16.7	424
180	Ligand conjugation of chemically exfoliated MoS <sub>2</sub> . <i>Journal of the American Chemical Society</i> , <b>2013</b> , 135, 4584-7	16.4	423
179	Crumpled Graphene-Encapsulated Si Nanoparticles for Lithium Ion Battery Anodes. <i>Journal of Physical Chemistry Letters</i> , <b>2012</b> , 3, 1824-9	6.4	419
178	Langmuir-Blodgett of nanocrystals and nanowires. <i>Accounts of Chemical Research</i> , <b>2008</b> , 41, 1662-73	24.3	393
177	Spontaneous formation of nanoparticle stripe patterns through dewetting. <i>Nature Materials</i> , <b>2005</b> , 4, 896-900	27	386
176	Achieving High-Efficiency Polymer White-Light-Emitting Devices. <i>Advanced Materials</i> , <b>2006</b> , 18, 114-117	24	384
175	The intrinsic nanofibrillar morphology of polyaniline. <i>Chemical Communications</i> , <b>2006</b> , 367-76	5.8	341
174	Graphene oxide as surfactant sheets. <i>Pure and Applied Chemistry</i> , <b>2010</b> , 83, 95-110	2.1	326
173	Graphene oxide nanocolloids. <i>Journal of the American Chemical Society</i> , <b>2010</b> , 132, 17667-9	16.4	320
172	Nanofluidic ion transport through reconstructed layered materials. <i>Journal of the American Chemical Society</i> , <b>2012</b> , 134, 16528-31	16.4	302
171	Low-Work-Function Surface Formed by Solution-Processed and Thermally Deposited Nanoscale Layers of Cesium Carbonate. <i>Advanced Functional Materials</i> , <b>2007</b> , 17, 1966-1973	15.6	297
170	A Semi-transparent Plastic Solar Cell Fabricated by a Lamination Process. <i>Advanced Materials</i> , <b>2008</b> , 20, 415-419	24	283
169	Syntheses and applications of conducting polymer polyaniline nanofibers. <i>Pure and Applied Chemistry</i> , <b>2006</b> , 78, 15-27	2.1	283
168	Enhanced Electrocatalytic Properties of Transition-Metal Dichalcogenides Sheets by Spontaneous Gold Nanoparticle Decoration. <i>Journal of Physical Chemistry Letters</i> , <b>2013</b> , 4, 1227-32	6.4	281
167	In-Situ Source-Template-Interface Reaction Route to Semiconductor CdS Submicrometer Hollow Spheres. <i>Advanced Materials</i> , <b>2000</b> , 12, 808-811	24	274
166	Self-Propagating Domino-like Reactions in Oxidized Graphite. <i>Advanced Functional Materials</i> , <b>2010</b> , 20, 2867-2873	15.6	271

165	Steam etched porous graphene oxide network for chemical sensing. <i>Journal of the American Chemical Society</i> , <b>2011</b> , 133, 15264-7	16.4	267
164	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. <i>Journal of Physical Chemistry C</i> , <b>2010</b> , 114, 12511-12516	3.8	263
163	Crumpled Graphene Balls Stabilized Dendrite-free Lithium Metal Anodes. <i>Joule</i> , <b>2018</b> , 2, 184-193	27.8	241
162	Crumpled graphene particles for microbial fuel cell electrodes. <i>Journal of Power Sources</i> , <b>2012</b> , 208, 187-192	3.92	238
161	Energetic graphene oxide: Challenges and opportunities. <i>Nano Today</i> , <b>2012</b> , 7, 137-152	17.9	235
160	Flash welding of conducting polymer nanofibres. <i>Nature Materials</i> , <b>2004</b> , 3, 783-6	27	210
159	Polyaniline nanofiber composites with metal salts: chemical sensors for hydrogen sulfide. <i>Small</i> , <b>2005</b> , 1, 624-7	11	192
158	Surfactant-free water-processable photoconductive all-carbon composite. <i>Journal of the American Chemical Society</i> , <b>2011</b> , 133, 4940-7	16.4	191
157	Tunable assembly of graphene oxide surfactant sheets: wrinkles, overlaps and impacts on thin film properties. <i>Soft Matter</i> , <b>2010</b> , 6, 6096	3.6	189
156	IONIC TRANSPORT. Two-dimensional nanofluidics. <i>Science</i> , <b>2016</b> , 351, 1395-6	33.3	182
155	Synthesis by a Solvothermal Route and Characterization of CuInSe <sub>2</sub> Nanowhiskers and Nanoparticles. <i>Advanced Materials</i> , <b>1999</b> , 11, 1456-1459	24	181
154	Graphene oxide windows for in situ environmental cell photoelectron spectroscopy. <i>Nature Nanotechnology</i> , <b>2011</b> , 6, 651-7	28.7	177
153	Hydration-responsive folding and unfolding in graphene oxide liquid crystal phases. <i>ACS Nano</i> , <b>2011</b> , 5, 8019-25	16.7	174
152	Nanoscale graphene oxide (nGO) as artificial receptors: implications for biomolecular interactions and sensing. <i>Journal of the American Chemical Society</i> , <b>2012</b> , 134, 16725-33	16.4	171
151	A general method for assembling single colloidal particle lines. <i>Nano Letters</i> , <b>2006</b> , 6, 524-9	11.5	170
150	Aerosol synthesis of cargo-filled graphene nanosacks. <i>Nano Letters</i> , <b>2012</b> , 12, 1996-2002	11.5	166
149	A glucose biosensor based on TiO <sub>2</sub> -Graphene composite. <i>Biosensors and Bioelectronics</i> , <b>2012</b> , 38, 184-8	11.8	165
148	Chemical synthesis of gold nanowires in acidic solutions. <i>Journal of the American Chemical Society</i> , <b>2008</b> , 130, 14442-3	16.4	163

147	Sticky interconnect for solution-processed tandem solar cells. <i>Journal of the American Chemical Society</i> , <b>2011</b> , 133, 9262-5	16.4	162
146	Self-assembled two-dimensional nanofluidic proton channels with high thermal stability. <i>Nature Communications</i> , <b>2015</b> , 6, 7602	17.4	158
145	Plasmon Length: A Universal Parameter to Describe Size Effects in Gold Nanoparticles. <i>Journal of Physical Chemistry Letters</i> , <b>2012</b> , 3, 1479-83	6.4	156
144	Charge transfer effect in the polyaniline-gold nanoparticle memory system. <i>Applied Physics Letters</i> , <b>2007</b> , 90, 053101	3.4	154
143	Nanofiber Formation in the Chemical Polymerization of Aniline: A Mechanistic Study. <i>Angewandte Chemie</i> , <b>2004</b> , 116, 5941-5945	3.6	150
142	Seeing graphene-based sheets. <i>Materials Today</i> , <b>2010</b> , 13, 28-38	21.8	147
141	Graphene Oxide Interlayers for Robust, High-Efficiency Organic Photovoltaics. <i>Journal of Physical Chemistry Letters</i> , <b>2011</b> , 2, 3006-3012	6.4	145
140	Vertical organic nanowire arrays: controlled synthesis and chemical sensors. <i>Journal of the American Chemical Society</i> , <b>2009</b> , 131, 3158-9	16.4	144
139	Direct photonic-plasmonic coupling and routing in single nanowires. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2009</b> , 106, 21045-50	11.5	142
138	One-step patterning of aligned nanowire arrays by programmed dip coating. <i>Angewandte Chemie - International Edition</i> , <b>2007</b> , 46, 2414-7	16.4	142
137	Material processing of chemically modified graphene: some challenges and solutions. <i>Accounts of Chemical Research</i> , <b>2013</b> , 46, 2225-34	24.3	141
136	Mechanochemical Route to the Conducting Polymer Polyaniline. <i>Macromolecules</i> , <b>2005</b> , 38, 317-321	5.5	138
135	Chemically Exfoliated MoS <sub>2</sub> as Near-Infrared Photothermal Agents. <i>Angewandte Chemie</i> , <b>2013</b> , 125, 4254-4258	13.7	137
134	A cautionary note on graphene anti-corrosion coatings. <i>Nature Nanotechnology</i> , <b>2017</b> , 12, 834-835	28.7	136
133	Self-dispersed crumpled graphene balls in oil for friction and wear reduction. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2016</b> , 113, 1528-33	11.5	135
132	Controlling the metal to semiconductor transition of MoS <sub>2</sub> and WS <sub>2</sub> in solution. <i>Journal of the American Chemical Society</i> , <b>2015</b> , 137, 1742-5	16.4	129
131	COVID-19: A Call for Physical Scientists and Engineers. <i>ACS Nano</i> , <b>2020</b> , 14, 3747-3754	16.7	129
130	Patterned growth of vertically aligned organic nanowire waveguide arrays. <i>ACS Nano</i> , <b>2010</b> , 4, 1630-6	16.7	128

129	Oil absorbing graphene capsules by capillary molding. <i>Chemical Communications</i> , <b>2012</b> , 48, 5968-70	5.8	125
128	Necklace-like Noble-Metal Hollow Nanoparticle Chains: Synthesis and Tunable Optical Properties. <i>Advanced Materials</i> , <b>2007</b> , 19, 2172-2176	24	115
127	Graphene oxide assisted hydrothermal carbonization of carbon hydrates. <i>ACS Nano</i> , <b>2014</b> , 8, 449-57	16.7	114
126	Pencil drawn strain gauges and chemiresistors on paper. <i>Scientific Reports</i> , <b>2014</b> , 4, 3812	4.9	111
125	Wire-on-wire growth of fluorescent organic heterojunctions. <i>Journal of the American Chemical Society</i> , <b>2012</b> , 134, 2880-3	16.4	111
124	A Novel Peanut-like Nanostructure of II-VI Semiconductor CdS and ZnS. <i>Advanced Materials</i> , <b>2000</b> , 12, 1523-1526	24	99
123	Drop-casted self-assembling graphene oxide membranes for scanning electron microscopy on wet and dense gaseous samples. <i>ACS Nano</i> , <b>2011</b> , 5, 10047-54	16.7	95
122	Enantioselective Discrimination of D- and L-Phenylalanine by Chiral Polyaniline Thin Films. <i>Advanced Materials</i> , <b>2003</b> , 15, 1158-1161	24	95
121	Bending-Tolerant Anodes for Lithium-Metal Batteries. <i>Advanced Materials</i> , <b>2018</b> , 30, 1703891	24	95
120	Construction of evolutionary tree for morphological engineering of nanoparticles. <i>ACS Nano</i> , <b>2009</b> , 3, 2191-8	16.7	94
119	Molybdenum Sulfide Supported on Crumpled Graphene Balls for Electrocatalytic Hydrogen Production. <i>Advanced Energy Materials</i> , <b>2014</b> , 4, 1400398	21.8	93
118	Horizontal Centripetal Plating in the Patterned Voids of Li/Graphene Composites for Stable Lithium-Metal Anodes. <i>Chem</i> , <b>2018</b> , 4, 2192-2200	16.2	90
117	Disassembly-Reassembly Approach to RuO <sub>2</sub> /Graphene Composites for Ultrahigh Volumetric Capacitance Supercapacitor. <i>Small</i> , <b>2017</b> , 13, 1701026	11	85
116	Nucleation-controlled distributed plasticity in penta-twinned silver nanowires. <i>Small</i> , <b>2012</b> , 8, 2986-93	11	83
115	Water Processable Graphene Oxide:Single Walled Carbon Nanotube Composite as Anode Modifier for Polymer Solar Cells. <i>Advanced Energy Materials</i> , <b>2011</b> , 1, 1052-1057	21.8	83
114	Towards solution processed all-carbon solar cells: a perspective. <i>Energy and Environmental Science</i> , <b>2012</b> , 5, 7810	35.4	81
113	Plasticity and ductility in graphene oxide through a mechanochemically induced damage tolerance mechanism. <i>Nature Communications</i> , <b>2015</b> , 6, 8029	17.4	72
112	Highly Efficient Red-Emission Polymer Phosphorescent Light-Emitting Diodes Based on Two Novel Tris(1-phenylisoquinolino-C <sub>2</sub> ,N)iridium(III) Derivatives. <i>Advanced Materials</i> , <b>2007</b> , 19, 739-743	24	72

111	Sonochemical Synthesis of Nanocrystalline Copper Tellurides Cu <sub>7</sub> Te <sub>4</sub> and Cu <sub>4</sub> Te <sub>3</sub> at Room Temperature. <i>Chemistry of Materials</i> , <b>2000</b> , 12, 2614-2616	9.6	71
110	Dynamics of electrochemical lithiation/delithiation of graphene-encapsulated silicon nanoparticles studied by in-situ TEM. <i>Scientific Reports</i> , <b>2014</b> , 4, 3863	4.9	70
109	Three-dimensional crumpled graphene-based platinum-gold alloy nanoparticle composites as superior electrocatalysts for direct methanol fuel cells. <i>Carbon</i> , <b>2015</b> , 93, 869-877	10.4	68
108	Intrinsic Bauschinger effect and recoverable plasticity in pentatwinned silver nanowires tested in tension. <i>Nano Letters</i> , <b>2015</b> , 15, 139-46	11.5	67
107	Dynamic assembly of liquid crystalline graphene oxide gel fibers for ion transport. <i>Science Advances</i> , <b>2018</b> , 4, eaau2104	14.3	63
106	High-Yield Spreading of Water-Miscible Solvents on Water for Langmuir-Blodgett Assembly. <i>Journal of the American Chemical Society</i> , <b>2015</b> , 137, 10683-8	16.4	61
105	Sonochemical synthesis of silver, copper and lead selenides. <i>Ultrasonics Sonochemistry</i> , <b>1999</b> , 6, 217-220	8.9	59
104	Synthesis, Characterization, and Properties of Nanocrystalline Cu <sub>2</sub> SnS <sub>3</sub> . <i>Journal of Solid State Chemistry</i> , <b>2000</b> , 153, 170-173	3.3	55
103	Cross-flow purification of nanowires. <i>Angewandte Chemie - International Edition</i> , <b>2011</b> , 50, 3412-6	16.4	50
102	Repurposing Blu-ray movie discs as quasi-random nanoimprinting templates for photon management. <i>Nature Communications</i> , <b>2014</b> , 5, 5517	17.4	49
101	Graphene Oxide:Single-Walled Carbon Nanotube-Based Interfacial Layer for All-Solution-Processed Multijunction Solar Cells in Both Regular and Inverted Geometries. <i>Advanced Energy Materials</i> , <b>2012</b> , 2, 299-303	21.8	47
100	The Role of Water in Mediating Interfacial Adhesion and Shear Strength in Graphene Oxide. <i>ACS Nano</i> , <b>2018</b> , 12, 6089-6099	16.7	45
99	Aerosol-assisted extraction of silicon nanoparticles from wafer slicing waste for lithium ion batteries. <i>Scientific Reports</i> , <b>2015</b> , 5, 9431	4.9	43
98	One-Step Synthesis of Pt-Nanoparticles-Laden Graphene Crumples by Aerosol Spray Pyrolysis and Evaluation of Their Electrocatalytic Activity. <i>Aerosol Science and Technology</i> , <b>2013</b> , 47, 93-98	3.4	43
97	Shear ductility and toughenability study of highly cross-linked epoxy/polyethersulphone. <i>Journal of Materials Science</i> , <b>1997</b> , 32, 761-771	4.3	41
96	Solvothermal route to tin monoselenide bulk single crystal with different morphologies. <i>Inorganic Chemistry</i> , <b>2000</b> , 39, 2061-4	5.1	41
95	Bulk Nanostructured Materials Based on Two-Dimensional Building Blocks: A Roadmap. <i>ACS Nano</i> , <b>2015</b> , 9, 9432-6	16.7	40
94	Multifunctional Graphene Hair Dye. <i>Chem</i> , <b>2018</b> , 4, 784-794	16.2	39

93	Construction of a Polyaniline Nanofiber Gas Sensor. <i>Journal of Chemical Education</i> , <b>2008</b> , 85, 1102	2.4	38
92	Graphene-Induced Adsorptive and Optical Artifacts During In Vitro Toxicology Assays. <i>Small</i> , <b>2013</b> , 9, 1921-1927	11	37
91	A Cut-and-Paste Approach to 3D Graphene-Oxide-Based Architectures. <i>Advanced Materials</i> , <b>2018</b> , 30, e1706229	24	36
90	Graphene oxide based conductive glue as a binder for ultracapacitor electrodes. <i>Journal of Materials Chemistry</i> , <b>2012</b> , 22, 12993		36
89	Light emission properties and mechanism of low-temperature prepared amorphous SiNX films. II. Defect states electroluminescence. <i>Journal of Applied Physics</i> , <b>2008</b> , 104, 083505	2.5	34
88	A Solvothermal Route to Nanocrystalline Cu <sub>7</sub> Te <sub>4</sub> at Low Temperature. <i>Journal of Solid State Chemistry</i> , <b>1999</b> , 146, 47-50	3.3	33
87	Ductility and toughenability study of epoxy resins under multiaxial stress states. <i>Journal of Materials Science</i> , <b>1998</b> , 33, 3479-3488	4.3	32
86	Crumpled graphene ball-based broadband solar absorbers. <i>Nanoscale</i> , <b>2018</b> , 10, 6306-6312	7.7	31
85	In situ electron microscopy four-point electromechanical characterization of freestanding metallic and semiconducting nanowires. <i>Small</i> , <b>2014</b> , 10, 725-33	11	31
84	Detrimental Effects of Surface Imperfections and Unpolished Edges on the Cycling Stability of a Zinc Foil Anode. <i>ACS Energy Letters</i> , <b>2021</b> , 6, 1990-1995	20.1	31
83	Additive-free carbon nanotube dispersions, pastes, gels, and doughs in cresols. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2018</b> , 115, 5703-5708	11.5	30
82	Performance and stability of amorphous InGaZnO thin film transistors with a designed device structure. <i>Journal of Applied Physics</i> , <b>2011</b> , 110, 084509	2.5	26
81	Sonochemical Synthesis of Nanocrystalline Silver Tellurides Ag <sub>2</sub> Te and Ag <sub>7</sub> Te <sub>4</sub> . <i>Journal of Solid State Chemistry</i> , <b>2001</b> , 158, 260-263	3.3	26
80	Solvothermal synthesis to NiE <sub>2</sub> (E = Se, Te) nanorods at low temperature. <i>Scripta Materialia</i> , <b>1999</b> , 11, 1067-1071		26
79	Binder-free graphene oxide doughs. <i>Nature Communications</i> , <b>2019</b> , 10, 422	17.4	24
78	Kirigami nanofluidics. <i>Materials Chemistry Frontiers</i> , <b>2018</b> , 2, 475-482	7.8	24
77	Stiffening of graphene oxide films by soft porous sheets. <i>Nature Communications</i> , <b>2019</b> , 10, 3677	17.4	23
76	Camouflaged carborane amphiphiles: synthesis and self-assembly. <i>Inorganic Chemistry</i> , <b>2005</b> , 44, 7249-58.1		23



75	A novel method for the preparation of III-V semiconductors: sonochemical synthesis of InP nanocrystals. <i>Ultrasonics Sonochemistry</i> , <b>2001</b> , 8, 331-4	8.9	23
74	Synthesis of graphene based noble metal composites for glucose biosensor. <i>Materials Letters</i> , <b>2013</b> , 106, 277-280	3.3	22
73	Graphene Oxide Sheets in Solvents: To Crumple or Not To Crumple?. <i>ACS Omega</i> , <b>2017</b> , 2, 8005-8009	3.9	22
72	Growth of Ge Nanowires from AuCu Alloy Nanoparticle Catalysts Synthesized from Aqueous Solution. <i>Journal of Physical Chemistry Letters</i> , <b>2010</b> , 1, 3360-3365	6.4	22
71	One-Step Patterning of Aligned Nanowire Arrays by Programmed Dip Coating. <i>Angewandte Chemie</i> , <b>2007</b> , 119, 2466-2469	3.6	22
70	One-Step Formation of Silicon-Graphene Composites from Silicon Sludge Waste and Graphene Oxide via Aerosol Process for Lithium Ion Batteries. <i>Scientific Reports</i> , <b>2016</b> , 6, 33688	4.9	19
69	Single-step confined growth of CdSe/polyacrylamide nanocomposites under irradiation. <i>Radiation Physics and Chemistry</i> , <b>2000</b> , 58, 287-292	2.5	19
68	Analytical electron microscopy of a crack tip extracted from a stressed Alloy 800 sample exposed to an acid sulfate environment. <i>Micron</i> , <b>2014</b> , 61, 62-9	2.3	17
67	Atomically Thin Polymer Layer Enhances Toughness of Graphene Oxide Monolayers. <i>Matter</i> , <b>2019</b> , 1, 369-388	12.7	16
66	Solvothermal synthesis to Cu <sub>2</sub> SnSe <sub>4</sub> nanocrystals at low temperature. <i>Solid State Ionics</i> , <b>1999</b> , 126, 359-362	3.62	16
65	Evaporation-driven crumpling and assembling of two-dimensional (2D) materials: A rotational spring mechanical slider model. <i>Journal of the Mechanics and Physics of Solids</i> , <b>2019</b> , 133, 103722	5	15
64	Fatigue behaviour of SiCp-reinforced aluminium composites in the very high cycle regime using ultrasonic fatigue. <i>Fatigue and Fracture of Engineering Materials and Structures</i> , <b>2006</b> , 29, 507-517	3	15
63	Synthesis and Characterization of Ternary Chalcogenides Ag <sub>8</sub> SnE <sub>6</sub> (E=S, Se). <i>Journal of Solid State Chemistry</i> , <b>2000</b> , 149, 338-340	3.3	15
62	Hot-pressed polymer nanofiber supported graphene membrane for high-performance nanofiltration. <i>Nanotechnology</i> , <b>2017</b> , 28, 31LT02	3.4	14
61	Co-Assembly of Nanoparticles in Evaporating Aerosol Droplets: Preparation of Nanoporous Pt/TiO <sub>2</sub> Composite Particles. <i>Aerosol Science and Technology</i> , <b>2010</b> , 44, 1140-1145	3.4	14
60	Ultrasound-Induced Formation of CdS Nanostructures in Oil-in-Water Microemulsions. <i>Journal of Colloid and Interface Science</i> , <b>2001</b> , 236, 382-384	9.3	14
59	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. <i>Materials Research Society Symposia Proceedings</i> , <b>2009</b> , 1208, 1		13
58	Fluidized Electrocatalysis. <i>CCS Chemistry</i> , <b>2020</b> , 2, 31-41	7.2	13

57	Oil-Based Self-Healing Barrier Coatings: To Flow and Not to Flow. <i>Advanced Functional Materials</i> , <b>2020</b> , 30, 1906273	15.6	13
56	Fluorescence Quenching: Seeing Two-Dimensional Sheets on Arbitrary Substrates by Fluorescence Quenching Microscopy (Small 19/2013). <i>Small</i> , <b>2013</b> , 9, 3252-3252	11	12
55	Self-Healing Microcapsule-Thickened Oil Barrier Coatings. <i>Research</i> , <b>2019</b> , 2019, 3517816	7.8	11
54	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. <i>International Journal of Pharmaceutics</i> , <b>2020</b> , 589, 119811	6.5	11
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