Peidong Yang

List of Publications by Year
in descending order

200 papers	52,126 citations	2544 96 h-index	3407 183 g-index
210 all docs	210 docs citations	210 times ranked	46419 citing authors

#	Article	IF	Citations
1	Room-Temperature Ultraviolet Nanowire Nanolasers. Science, 2001, 292, 1897-1899.	12.6	8,567
2	Generalized syntheses of large-pore mesoporous metal oxides with semicrystalline frameworks. Nature, 1998, 396, 152-155.	27.8	2,408
3	Covalent organic frameworks comprising cobalt porphyrins for catalytic CO ₂ reduction in water. Science, 2015, 349, 1208-1213.	12.6	2,046
4	Nanowire photonics. Nature Photonics, 2009, 3, 569-576.	31.4	1,548
5	Thermal conductivity of individual silicon nanowires. Applied Physics Letters, 2003, 83, 2934-2936.	3.3	1,536
6	Janus monolayers of transition metal dichalcogenides. Nature Nanotechnology, 2017, 12, 744-749.	31.5	1,459
7	SEMICONDUCTOR NANOWIRES AND NANOTUBES. Annual Review of Materials Research, 2004, 34, 83-122.	9.3	1,304
8	Langmuirâˆ'Blodgett Silver Nanowire Monolayers for Molecular Sensing Using Surface-Enhanced Raman Spectroscopy. Nano Letters, 2003, 3, 1229-1233.	9.1	1,267
9	Atomically thin two-dimensional organic-inorganic hybrid perovskites. Science, 2015, 349, 1518-1521.	12.6	1,159
10	Block Copolymer Templating Syntheses of Mesoporous Metal Oxides with Large Ordering Lengths and Semicrystalline Framework. Chemistry of Materials, 1999, 11, 2813-2826.	6.7	1,111
11	Synergistic geometric and electronic effects for electrochemical reduction of carbon dioxide using goldâ€“copper bimetallic nanoparticles. Nature Communications, 2014, 5, 4948.	12.8	1,062
12	Highly Luminescent Colloidal Nanoplates of Perovskite Cesium Lead Halide and Their Oriented Assemblies. Journal of the American Chemical Society, 2015, 137, 16008-16011.	13.7	1,004
13	Continuous Mesoporous Silica Films with Highly Ordered Large Pore Structures. Advanced Materials, 1998, 10, 1380-1385.	21.0	842
14	Designing materials for electrochemical carbon dioxide recycling. Nature Catalysis, 2019, 2, 648-658.	34.4	838
15	Self-photosensitization of nonphotosynthetic bacteria for solar-to-chemical production. Science, 2016, 351, 74-77.	12.6	770
16	Catalyst electro-redeposition controls morphology and oxidation state for selective carbon dioxide reduction. Nature Catalysis, 2018, 1, 103-110.	34.4	737
17	Semiconductor Nanowire: Whatâ€™s Next?. Nano Letters, 2010, 10, 1529-1536.	9.1	717
18	Controlled growth and electrical properties of heterojunctions of carbon nanotubes and silicon nanowires. Nature, 1999, 399, 48-51.	27.8	709

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19	State of the Art and Prospects for Halide Perovskite Nanocrystals. ACS Nano, 2021, 15, 10775-10981.	14.6	705
20	Efficient hydrogen peroxide generation using reduced graphene oxide-based oxygen reduction electrocatalysts. Nature Catalysis, 2018, 1, 282-290.	34.4	699
21	Lasing in robust cesium lead halide perovskite nanowires. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, 1993-1998.	7.1	668
22	Thermochromic halide perovskite solar cells. Nature Materials, 2018, 17, 261-267.	27.5	630
23	Optical Cavity Effects in ZnO Nanowire Lasers and Waveguides. Journal of Physical Chemistry B, 2003, 107, 8816-8828.	2.6	602
24	Evolution of interlayer coupling in twisted molybdenum disulfide bilayers. Nature Communications, 2014, 5, 4966.	12.8	533
25	Electrochemical Activation of CO₂ through Atomic Ordering Transformations of AuCu Nanoparticles. Journal of the American Chemical Society, 2017, 139, 8329-8336.	13.7	529
26	Surface and Interface Control in Nanoparticle Catalysis. Chemical Reviews, 2020, 120, 1184-1249.	47.7	492
27	Copper nanoparticle ensembles for selective electroreduction of CO ₂ to C ₂ â€“C ₃ products. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, 10560-10565.	7.1	479
28	Ion Transport in Nanofluidic Channels. Nano Letters, 2004, 4, 137-142.	9.1	454
29	Germanium Nanowire Growth via Simple Vapor Transport. Chemistry of Materials, 2000, 12, 605-607.	6.7	448
30	Single Nanowire Lasers. Journal of Physical Chemistry B, 2001, 105, 11387-11390.	2.6	425
31	Hexagonal to Mesocellular Foam Phase Transition in Polymer-Templated Mesoporous Silicas. Langmuir, 2000, 16, 8291-8295.	3.5	404
32	Metalorganic Chemical Vapor Deposition Route to GaN Nanowires with Triangular Cross Sections. Nano Letters, 2003, 3, 1063-1066.	9.1	362
33	Bacteria photosensitized by intracellular gold nanoclusters for solar fuel production. Nature Nanotechnology, 2018, 13, 900-905.	31.5	362
34	Ag nanowire formation within mesoporous silica. Chemical Communications, 2000, , 1063-1064.	4.1	349
35	Semiconductor nanowire lasers. Nature Reviews Materials, 2016, 1, .	48.7	332
36	<i>Operando</i> Spectroscopic Analysis of an Amorphous Cobalt Sulfide Hydrogen Evolution Electrocatalyst. Journal of the American Chemical Society, 2015, 137, 7448-7455.	13.7	330

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37	Interfacing natureâ€™s catalytic machinery with synthetic materials for semi-artificial photosynthesis. Nature Nanotechnology, 2018, 13, 890-899.	31.5	322
38	Ultrafast Carrier Dynamics in Single ZnO Nanowire and Nanoribbon Lasers. Nano Letters, 2004, 4, 197-204.	9.1	319
39	Near-Field Imaging of Nonlinear Optical Mixing in Single Zinc Oxide Nanowires. Nano Letters, 2002, 2, 279-283.	9.1	305
40	Electrochemomechanical Energy Conversion in Nanofluidic Channels. Nano Letters, 2004, 4, 2315-2321.	9.1	304
41	Two-dimensional halide perovskite lateral epitaxial heterostructures. Nature, 2020, 580, 614-620.	27.8	284
42	Self-Organized GaN Quantum Wire UV Lasers. Journal of Physical Chemistry B, 2003, 107, 8721-8725.	2.6	281
43	Bandgap engineering in semiconductor alloy nanomaterials with widely tunable compositions. Nature Reviews Materials, 2017, 2, .	48.7	279
44	Triblock-Copolymer-Directed Syntheses of Large-Pore Mesoporous Silica Fibers. Chemistry of Materials, 1998, 10, 2033-2036.	6.7	277
45	Mesoporous Co3O4 as an electrocatalyst for water oxidation. Nano Research, 2013, 6, 47-54.	10.4	274
46	Energy and environment policy case for a global project on artificial photosynthesis. Energy and Environmental Science, 2013, 6, 695.	30.8	264
47	TiO₂/BiVO₄ Nanowire Heterostructure Photoanodes Based on Type II Band Alignment. ACS Central Science, 2016, 2, 80-88.	11.3	263
48	Tunable Cu Enrichment Enables Designer Syngas Electrosynthesis from CO₂. Journal of the American Chemical Society, 2017, 139, 9359-9363.	13.7	260
49	Towards systems materials engineering. Nature Materials, 2012, 11, 560-563.	27.5	255
50	Electron delocalization and charge mobility as a function of reduction in a metalâ€“organic framework. Nature Materials, 2018, 17, 625-632.	27.5	255
51	Sum Frequency Generation and Catalytic Reaction Studies of the Removal of Organic Capping Agents from Pt Nanoparticles by UVâ^'Ozone Treatment. Journal of Physical Chemistry C, 2009, 113, 6150-6155.	3.1	254
52	Ultralow thermal conductivity in all-inorganic halide perovskites. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, 8693-8697.	7.1	246
53	Anisotropic phase segregation and migration of Pt in nanocrystals en route to nanoframe catalysts. Nature Materials, 2016, 15, 1188-1194.	27.5	244
54	Photosynthetic semiconductor biohybrids for solar-driven biocatalysis. Nature Catalysis, 2020, 3, 245-255.	34.4	237

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55	Hybrid bioinorganic approach to solar-to-chemical conversion. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, 11461-11466.	7.1	234
56	Stabilization of 4H hexagonal phase in gold nanoribbons. Nature Communications, 2015, 6, 7684.	12.8	215
57	A Surface Reconstruction Route to High Productivity and Selectivity in CO₂ Electroreduction toward C₂₊ Hydrocarbons. Advanced Materials, 2018, 30, e1804867.	21.0	200
58	Atomic Structure of Pt₃Ni Nanoframe Electrocatalysts by <i>in Situ</i> X-ray Absorption Spectroscopy. Journal of the American Chemical Society, 2015, 137, 15817-15824.	13.7	197
59	Watching GaN Nanowires Grow. Nano Letters, 2003, 3, 867-869.	9.1	188
60	Synthesis and assembly of BaWO4 nanorods. Chemical Communications, 2001, , 447-448.	4.1	185
61	Tandem Catalysis for CO₂ Hydrogenation to C₂â€“C₄ Hydrocarbons. Nano Letters, 2017, 17, 3798-3802.	9.1	183
62	Vertical nanowire array-based light emitting diodes. Nano Research, 2008, 1, 123-128.	10.4	179
63	Photocatalytic generation of hydrogen from water using a cobalt pentapyridine complex in combination with molecular and semiconductor nanowire photosensitizers. Chemical Science, 2013, 4, 118-124.	7.4	179
64	Synthesis of Ultrathin Copper Nanowires Using Tris(trimethylsilyl)silane for High-Performance and Low-Haze Transparent Conductors. Nano Letters, 2015, 15, 7610-7615.	9.1	179
65	Spatially resolved multicolor CsPbX ₃ nanowire heterojunctions via anion exchange. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, 7216-7221.	7.1	178
66	Excitation-wavelength-dependent small polaron trapping of photoexcited carriers in Î±-Fe2O3. Nature Materials, 2017, 16, 819-825.	27.5	178
67	Fluoride-Induced Hierarchical Ordering of Mesoporous Silica in Aqueous Acid-Syntheses. Advanced Materials, 1999, 11, 303-307.	21.0	174
68	Nanowires for Photonics. Chemical Reviews, 2019, 119, 9153-9169.	47.7	173
69	Control of Architecture in Rhombic Dodecahedral Ptâ€“Ni Nanoframe Electrocatalysts. Journal of the American Chemical Society, 2017, 139, 11678-11681.	13.7	166
70	Three-Dimensional Phthalocyanine Metal-Catecholates for High Electrochemical Carbon Dioxide Reduction. Journal of the American Chemical Society, 2019, 141, 17081-17085.	13.7	165
71	Nanowire Photoelectrochemistry. Chemical Reviews, 2019, 119, 9221-9259.	47.7	158
72	INORGANIC SEMICONDUCTOR NANOWIRES. International Journal of Nanoscience, 2002, 01, 1-39.	0.7	155

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73	Solution-Processed Copper/Reduced-Graphene-Oxide Core/Shell Nanowire Transparent Conductors. ACS Nano, 2016, 10, 2600-2606.	14.6	155
74	Intrinsic anion diffusivity in lead halide perovskites is facilitated by a soft lattice. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, 11929-11934.	7.1	153
75	Langmuirâ€“Blodgett Assembly of One-Dimensional Nanostructures. ChemPhysChem, 2002, 3, 503.	2.1	152
76	Cytoprotective metal-organic frameworks for anaerobic bacteria. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, 10582-10587.	7.1	145
77	Excited-state vibrational dynamics toward the polaron in methylammonium lead iodide perovskite. Nature Communications, 2018, 9, 2525.	12.8	129
78	Tunable Polaron Distortions Control the Extent of Halide Demixing in Lead Halide Perovskites. Journal of Physical Chemistry Letters, 2018, 9, 3998-4005.	4.6	129
79	Structural, optical, and electrical properties of phase-controlled cesium lead iodide nanowires. Nano Research, 2017, 10, 1107-1114.	10.4	128
80	Spectroscopic elucidation of energy transfer in hybrid inorganicâ€“biological organisms for solar-to-chemical production. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, 11750-11755.	7.1	125
81	Directed Assembly of Nanoparticle Catalysts on Nanowire Photoelectrodes for Photoelectrochemical CO₂ Reduction. Nano Letters, 2016, 16, 5675-5680.	9.1	125
82	Atomic Resolution Imaging of Halide Perovskites. Nano Letters, 2016, 16, 7530-7535.	9.1	125
83	Ultrathin Epitaxial Cu@Au Coreâ€“Shell Nanowires for Stable Transparent Conductors. Journal of the American Chemical Society, 2017, 139, 7348-7354.	13.7	125
84	Investigation of phonon coherence and backscattering using silicon nanomeshes. Nature Communications, 2017, 8, 14054.	12.8	123
85	Introduction: 1D Nanomaterials/Nanowires. Chemical Reviews, 2019, 119, 8955-8957.	47.7	121
86	Nontoxic nanopore electroporation for effective intracellular delivery of biological macromolecules. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 7899-7904.	7.1	120
87	Rapid Prototyping of Site-Specific Nanocontacts by Electron and Ion Beam Assisted Direct-Write Nanolithography. Nano Letters, 2004, 4, 2059-2063.	9.1	115
88	Physical Biology of the Materialsâ€“Microorganism Interface. Journal of the American Chemical Society, 2018, 140, 1978-1985.	13.7	115
89	Coreâ€“Shell CdSâ€“Cu₂S Nanorod Array Solar Cells. Nano Letters, 2015, 15, 4096-4101.	9.1	114
90	Cyborgian Material Design for Solar Fuel Production: The Emerging Photosynthetic Biohybrid Systems. Accounts of Chemical Research, 2017, 50, 476-481.	15.6	114

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91	Single-nanowire photoelectrochemistry. Nature Nanotechnology, 2016, 11, 609-612.	31.5	111
92	Semiconductor Nanowire Array: Potential Substrates for Photocatalysis and Photovoltaics. Topics in Catalysis, 2002, 19, 197-202.	2.8	107
93	Rich Chemistry in Inorganic Halide Perovskite Nanostructures. Advanced Materials, 2018, 30, e1802856.	21.0	106
94	Perovskite nanowireâ€“block copolymer composites with digitally programmable polarization anisotropy. Science Advances, 2019, 5, eaav8141.	10.3	103
95	Lead-free Cesium Europium Halide Perovskite Nanocrystals. Nano Letters, 2020, 20, 3734-3739.	9.1	103
96	Selective CO2 electrocatalysis at the pseudocapacitive nanoparticle/ordered-ligand interlayer. Nature Energy, 2020, 5, 1032-1042.	39.5	99
97	Electrochemically scrambled nanocrystals are catalytically active for CO ₂ -to-multicarbons. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 9194-9201.	7.1	99
98	Functional Bimorph Composite Nanotapes. Nano Letters, 2002, 2, 1109-1112.	9.1	96
99	Synthesis of Silver Nanowires with Reduced Diameters Using Benzoin-Derived Radicals to Make Transparent Conductors with High Transparency and Low Haze. Nano Letters, 2018, 18, 5329-5334.	9.1	96
100	Catalytic properties of Pt cluster-decorated CeO2 nanostructures. Nano Research, 2011, 4, 61-71.	10.4	91
101	Structural and spectral dynamics of single-crystalline Ruddlesden-Popper phase halide perovskite blue light-emitting diodes. Science Advances, 2020, 6, eaay4045.	10.3	88
102	MoS2-wrapped silicon nanowires for photoelectrochemical water reduction. Nano Research, 2015, 8, 281-287.	10.4	87
103	Germanium/carbon coreâ€“sheath nanostructures. Applied Physics Letters, 2000, 77, 43-45.	3.3	84
104	Quantitative imaging of anion exchange kinetics in halide perovskites. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 12648-12653.	7.1	84
105	Atomic Structure of Ultrathin Gold Nanowires. Nano Letters, 2016, 16, 3078-3084.	9.1	82
106	Effects of Catalyst Processing on the Activity and Stability of Ptâ€“Ni Nanoframe Electrocatalysts. ACS Nano, 2018, 12, 8697-8705.	14.6	80
107	Thermoelectric properties of p-type PbSe nanowires. Nano Research, 2009, 2, 394-399.	10.4	76
108	Lower threshold for nanowire lasers. Nature Materials, 2015, 14, 557-558.	27.5	74

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109	Compromise and complicity in international student mobility: the ethnographic case of Indian medical students at a Chinese university. Discourse, 2018, 39, 694-708.	1.3	74
110	Room-Temperature Coherent Optical Phonon in 2D Electronic Spectra of CH₃NH₃PbI₃ Perovskite as a Possible Cooling Bottleneck. Journal of Physical Chemistry Letters, 2017, 8, 3211-3215.	4.6	73
111	Growth and Photoelectrochemical Energy Conversion of Wurtzite Indium Phosphide Nanowire Arrays. ACS Nano, 2016, 10, 5525-5535.	14.6	70
112	Atomic-level control of the thermoelectric properties in polytypoid nanowires. Chemical Science, 2011, 2, 706.	7.4	69
113	Phase Transitions and Anion Exchange in All-Inorganic Halide Perovskites. Accounts of Materials Research, 2020, 1, 3-15.	11.7	67
114	Giant Light-Emission Enhancement in Lead Halide Perovskites by Surface Oxygen Passivation. Nano Letters, 2018, 18, 6967-6973.	9.1	59
115	Self-Assembly of Two-Dimensional Perovskite Nanosheet Building Blocks into Ordered Ruddlesdenâ€“Popper Perovskite Phase. Journal of the American Chemical Society, 2019, 141, 13028-13032.	13.7	59
116	Synthesis of Mesocellular Silica Foams with Tunable Window and Cell Dimensions. Chemistry of Materials, 2001, 13, 28-34.	6.7	58
117	Gold-Nanocluster-Mediated Delivery of siRNA to Intact Plant Cells for Efficient Gene Knockdown. Nano Letters, 2021, 21, 5859-5866.	9.1	53
118	China in the global field of international student mobility: an analysis of economic, human and symbolic capitals. Compare, 2022, 52, 308-326.	2.1	52
119	Electrical and Optical Tunability in All-Inorganic Halide Perovskite Alloy Nanowires. Nano Letters, 2018, 18, 3538-3542.	9.1	51
120	Semiconductor nanowires for photovoltaic and photoelectrochemical energy conversion. Frontiers of Physics, 2014, 9, 289-302.	5.0	49
121	Phase-transitionâ€“induced p-n junction in single halide perovskite nanowire. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, 8889-8894.	7.1	48
122	Photoelectrochemical CO₂ Reduction toward Multicarbon Products with Silicon Nanowire Photocathodes Interfaced with Copper Nanoparticles. Journal of the American Chemical Society, 2022, 144, 8002-8006.	13.7	46
123	Pressure-induced semiconductor-to-metal phase transition of a charge-ordered indium halide perovskite. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 23404-23409.	7.1	45
124	The Interactive Dynamics of Nanocatalyst Structure and Microenvironment during Electrochemical CO₂ Conversion. Jacs Au, 2022, 2, 562-572.	7.9	44
125	Toward a Framework for (Re)Thinking the Ethics and Politics of International Student Mobility. Journal of Studies in International Education, 2020, 24, 518-534.	3.2	42
126	Diaosi as infrapolitics: scatological tropes, identity-making and cultural intimacy on Chinaâ€™s Internet. Media, Culture and Society, 2015, 37, 197-214.	3.1	39

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127	Ferroelectricity in a semiconducting all-inorganic halide perovskite. Science Advances, 2022, 8, eabj5881.	10.3	37
128	Alumina-coated Ag nanocrystal monolayers as surfaceenhanced Raman spectroscopy platforms for the direct spectroscopic detection of water splitting reaction intermediates. Nano Research, 2014, 7, 132-143.	10.4	35
129	Vibrational relaxation dynamics in layered perovskite quantum wells. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	7.1	33
130	Nanoparticle Assembly Induced Ligand Interactions for Enhanced Electrocatalytic CO₂ Conversion. Journal of the American Chemical Society, 2021, 143, 19919-19927.	13.7	32
131	â€œAuthenticityâ€•and â€œForeign Talentâ€•in Singapore: The Relative and Negative Logic of National Identity. Sojourn, 2014, 29, 408.	0.2	31
132	Size Transformation of the Au₂₂(SG)₁₈ Nanocluster and Its Surface-Sensitive Kinetics. Journal of the American Chemical Society, 2020, 142, 11514-11520.	13.7	30
133	Lead halide perovskite nanowires stabilized by block copolymers for Langmuir-Blodgett assembly. Nano Research, 2020, 13, 1453-1458.	10.4	26
134	Scaling Laws of Exciton Recombination Kinetics in Low Dimensional Halide Perovskite Nanostructures. Journal of the American Chemical Society, 2020, 142, 8871-8879.	13.7	26
135	Sulfur-doped graphene anchoring of ultrafine Au25 nanoclusters for electrocatalysis. Nano Research, 2021, 14, 3509-3513.	10.4	26
136	Understanding Youth Educational Mobilities in Asia: A Comparison of Chinese â€˜Foreign Talentâ€™ Students in Singapore and Indian MBBS Students in China. Journal of Intercultural Studies, 2018, 39, 722-738.	0.6	24
137	Chemistry and physics of silicon nanowire. Dalton Transactions, 2008, , 4387.	3.3	23
138	Desiring â€˜foreign talentâ€™: lack and Lacan in anti-immigrant sentiments in Singapore. Journal of Ethnic and Migration Studies, 2018, 44, 1015-1031.	2.8	23
139	Privilege, Prejudice, Predicament: â€œPRC Scholarsâ€•in Singaporeâ€"An Overview. Frontiers of Education in China, 2014, 9, 350-376.	2.2	22
140	Morphology-controlled transformation of Cu@Au core-shell nanowires into thermally stable Cu3Au intermetallic nanowires. Nano Research, 2020, 13, 2564-2569.	10.4	22
141	Educational Mobility and Transnationalization. , 2018, , 39-63.		22
142	Liquid Sunlight: The Evolution of Photosynthetic Biohybrids. Nano Letters, 2021, 21, 5453-5456.	9.1	20
143	Heterostructured Auâ€"Ir Catalysts for Enhanced Oxygen Evolution Reaction. , 2021, 3, 1440-1447.		20
144	Semiconductor nanowire building blocks: From flux line pinning to artificial photosynthesis. MRS Bulletin, 2012, 37, 806-813.	3.5	18

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145	Revealing the Phase Separation Behavior of Thermodynamically Immiscible Elements in a Nanoparticle. Nano Letters, 2021, 21, 6684-6689.	9.1	18
146	<i>Operando</i> Resonant Soft X-ray Scattering Studies of Chemical Environment and Interparticle Dynamics of Cu Nanocatalysts for CO₂ Electroreduction. Journal of the American Chemical Society, 2022, 144, 8927-8931.	13.7	18
147	Molecular insights and future frontiers in cell photosensitization for solar-driven CO2 conversion. IScience, 2021, 24, 102952.	4.1	17
148	Lattice Dynamics and Optoelectronic Properties of Vacancy-Ordered Double Perovskite Cs₂TeX₆ (X = Cl^{â€“}, Br^{â€“}, I^{â€“}) Single Crystals. Journal of Physical Chemistry C, 2021, 125, 25126-25139.	3.1	17
149	The presence and role of the intermediary CO reservoir in heterogeneous electroreduction of CO ₂. Proceedings of the National Academy of Sciences of the United States of America, 2022, 119, e2201922119.	7.1	17
150	Commentary: International Students in Chinaâ€”What We Know, What We Donâ€™t, and What Next. , 2018, , 249-255.		16
151	Ligand removal of Au25 nanoclusters by thermal and electrochemical treatments for selective CO2 electroreduction to CO. Journal of Chemical Physics, 2021, 155, 051101.	3.0	16
152	Ligand-Free Processable Perovskite Semiconductor Ink. Nano Letters, 2021, 21, 8856-8862.	9.1	16
153	Enhancing Biohybrid CO₂ to Multicarbon Reduction via Adapted Whole-Cell Catalysts. Nano Letters, 2022, 22, 5503-5509.	9.1	16
154	Supramolecular Assembly of Halide Perovskite Building Blocks. Journal of the American Chemical Society, 2022, 144, 12450-12458.	13.7	16
155	Synthesis and Photocatalytic Properties of Single Crystalline (Ga_{1â€x}Zn_x)(N_{1â€x}O_x) Nanotubes. Israel Journal of Chemistry, 2012, 52, 1111-1117.	2.3	15
156	Propagation of guided modes in curved nanoribbon waveguides. Applied Physics Letters, 2006, 89, 241108.	3.3	14
157	Photosynthetic biohybrid coculture for tandem and tunable CO ₂ and N ₂ fixation. Proceedings of the National Academy of Sciences of the United States of America, 2022, 119, .	7.1	14
158	A Phenomenology of being â€œVery Chinaâ€. Asian Journal of Social Science, 2014, 42, 233-261.	0.3	12
159	Solid-State Ionic Rectification in Perovskite Nanowire Heterostructures. Nano Letters, 2020, 20, 8151-8156.	9.1	12
160	Nanopore-mediated protein delivery enabling three-color single-molecule tracking in living cells. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	7.1	11
161	Trapping and Transport of Silicon Nanowires Using Lateral-Field Optoelectronic Tweezers. , 2007, , .		10
162	Individually Encapsulated Frame-in-Frame Structure. , 2020, 2, 685-690.		10

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163	Revealing the Size-Dependent dâ€“d Excitations of Cobalt Nanoparticles Using Soft X-ray Spectroscopy. Journal of Physical Chemistry Letters, 2017, 8, 319-325.	4.6	9
164	Differentiated inclusion, muted diversification: immigrant teachersâ€™ settlement and professional experiences in Singapore as a case of â€˜middlingâ€™ migrantsâ€™ integration. Journal of Ethnic and Migration Studies, 2022, 48, 1711-1728.	2.8	9
165	A New Perspective and Design Principle for Halide Perovskites: Ionic Octahedron Network (ION). Nano Letters, 2021, 21, 5415-5421.	9.1	9
166	Psychoanalyzing fleeting emotive migrant encounters: A case from Singapore. Emotion, Space and Society, 2019, 31, 133-139.	1.5	8
167	Phase transition dynamics in one-dimensional halide perovskite crystals. MRS Bulletin, 2021, 46, 310-316.	3.5	8
168	Rethinking international student mobility through the lens of â€œcrisisâ€•at a juncture of pandemic and global uncertainties. Asia Pacific Journal of Education, 2022, 42, 20-33.	2.1	8
169	Nature of the Electrical Double Layer on Suspended Graphene Electrodes. Journal of the American Chemical Society, 2022, 144, 13327-13333.	13.7	8
170	Measurements of Bi/sub 2/Te/sub 3/ nanowire thermal conductivity and Seebeck coefficient. , 0, , .		7
171	Semiconductor nanowire manipulation using optoelectronic tweezers. , 2007, , .		7
172	SEMICONDUCTOR NANOWIRES: FUNCTIONAL BUILDING BLOCKS FOR NANOTECHNOLOGY. , 2003, , 183-226.		6
173	Workersâ€™ rights defence on China's internet: an analysis of actors. Information, Communication and Society, 2016, 19, 1171-1186.	4.0	6
174	Understanding â€˜integrationâ€™: Chinese â€˜foreign talentâ€™ students in Singapore talking about rongru. Transitions: Journal of Transient Migration, 2017, 1, 29-45.	0.3	5
175	Co-feeding copper catalysts couple carbon. Nature Nanotechnology, 2019, 14, 1002-1003.	31.5	5
176	Envisioning the â€œAir Economyâ€•â€” Powered by Reticular Chemistry and Sunlight for Clean Air, Clean Energy, and Clean Water. Molecular Frontiers Journal, 2021, 05, 30-37.	1.1	5
177	Pulsed Laser Deposition of Diamond-Like Carbon Thin Films: Ablation Dynamics and Growth. Materials Research Society Symposia Proceedings, 1996, 438, 593.	0.1	4
178	Low-Temperature Solution-Phase Growth of Silicon and Silicon-Containing Alloy Nanowires. Journal of Physical Chemistry C, 2016, 120, 20525-20529.	3.1	4
179	Reply to Nathamgari et al.: Nanopore electroporation for intracellular delivery of biological macromolecules. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 22911-22911.	7.1	4
180	Nanowire dye-sensitized solar cells. , 2010, , 75-79.		3

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