Nan Yao

List of Publications by Year
in descending order

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162 papers	12,216 citations	24978 57 h-index	26548 107 g-index
164 all docs	164 docs citations	164 times ranked	16691 citing authors

#	Article	IF	Citations
1	1.6 V Nanogenerator for Mechanical Energy Harvesting Using PZT Nanofibers. Nano Letters, 2010, 10, 2133-2137.	4.5	808
2	The role and regulation of programmed cell death in plant-pathogen interactions. Cellular Microbiology, 2004, 6, 201-211.	1.1	649
3	A detrimental mitochondrial-nuclear interaction causes cytoplasmic male sterility in rice. Nature Genetics, 2013, 45, 573-577.	9.4	415
4	Synthesis of Photonic Crystals for Optical Wavelengths from Semiconductor Quantum Dots. Advanced Materials, 1999, 11, 165-169.	11.1	355
5	Youngâ€™s modulus of single-walled carbon nanotubes. Journal of Applied Physics, 1998, 84, 1939-1943.	1.1	344
6	Molecular mechanics of binding in carbon-nanotubeâ€“polymer composites. Journal of Materials Research, 2000, 15, 2770-2779.	1.2	334
7	Ceramides modulate programmed cell death in plants. Genes and Development, 2003, 17, 2636-2641.	2.7	321
8	Flexible Piezoelectric PMNâ€“PT Nanowire-Based Nanocomposite and Device. Nano Letters, 2013, 13, 2393-2398.	4.5	290
9	Extremely Low Operating Current Resistive Memory Based on Exfoliated 2D Perovskite Single Crystals for Neuromorphic Computing. ACS Nano, 2017, 11, 12247-12256.	7.3	286
10	Biomimetic Synthesis of Macroscopic-Scale Calcium Carbonate Thin Films. Evidence for a Multistep Assembly Process. Journal of the American Chemical Society, 1998, 120, 11977-11985.	6.6	277
11	A J Domain Virulence Effector of Pseudomonas syringae Remodels Host Chloroplasts and Suppresses Defenses. Current Biology, 2007, 17, 499-508.	1.8	266
12	The mitochondrion - an organelle commonly involved in programmed cell death in Arabidopsis thaliana. Plant Journal, 2004, 40, 596-610.	2.8	253
13	Quantum-limit Chern topological magnetism in TbMn6Sn6. Nature, 2020, 583, 533-536.	13.7	253
14	Natural Quasicrystals. Science, 2009, 324, 1306-1309.	6.0	243
15	Arabidopsis ACCELERATED CELL DEATH2 Modulates Programmed Cell Death. Plant Cell, 2006, 18, 397-411.	3.1	221
16	Induction of programmed cell death in Arabidopsis and rice by singleâ€wall carbon nanotubes. American Journal of Botany, 2010, 97, 1602-1609.	0.8	218
17	Specific adaptation of Ustilaginoidea virens in occupying host florets revealed by comparative and functional genomics. Nature Communications, 2014, 5, 3849.	5.8	202
18	Possible animal-body fossils in pre-Marinoan limestones from South Australia. Nature Geoscience, 2010, 3, 653-659.	5.4	180

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19	Pegylated Composite Nanoparticles Containing Upconverting Phosphors and mesoâ€Tetraphenyl porphine (TPP) for Photodynamic Therapy. Advanced Functional Materials, 2011, 21, 2488-2495.	7.8	172
20	Comparative Analysis of the Genomes of Two Field Isolates of the Rice Blast Fungus Magnaporthe oryzae. PLoS Genetics, 2012, 8, e1002869.	1.5	167
21	Icosahedrite, Al63Cu24Fe13, the first natural quasicrystal. American Mineralogist, 2011, 96, 928-931.	0.9	165
22	Mixed-Halide Perovskites with Stabilized Bandgaps. Nano Letters, 2017, 17, 6863-6869.	4.5	165
23	Activity of pure and transition metal-modified CoOOH for the oxygen evolution reaction in an alkaline medium. Journal of Materials Chemistry A, 2017, 5, 842-850.	5.2	158
24	In Situ Preparation of Metal Halide Perovskite Nanocrystal Thin Films for Improved Light-Emitting Devices. ACS Nano, 2017, 11, 3957-3964.	7.3	151
25	Ultrastable nanostructured polymer glasses. Nature Materials, 2012, 11, 337-343.	13.3	150
26	Synthesis of Stable Block-Copolymer-Protected NaYF₄:Yb³⁺, Er³⁺ Up-Converting Phosphor Nanoparticles. Chemistry of Materials, 2010, 22, 311-318.	3.2	137
27	Mitochondrial oxidative burst involved in apoptotic response in oats. Plant Journal, 2002, 30, 567-579.	2.8	131
28	Au@carbon yolkâ€“shell nanostructures via one-step coreâ€“shellâ€“shell template. Chemical Communications, 2014, 50, 478-480.	2.2	116
29	Fermi arc electronic structure and Chern numbers in the type-II Weyl semimetal candidate<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:msub><mml:mi>Mo</mml:mi><mml:mi>x</mml:mi></mml:msub><mml:mathvariant="normal">W</mml:mi><mml:mrow><mml:mn>1</mml:mn><mml:mo>â^’</mml:mo><mml:mi>x</mml:mi></mml:mrow> Physical Review B, 2016, 94, .	1.1	115
30	Atomic-Scale Visualization of Quantum Interference on a Weyl Semimetal Surface by Scanning Tunneling Microscopy. ACS Nano, 2016, 10, 1378-1385.	7.3	112
31	Electrical Stress Influences the Efficiency of CH₃NH₃PbI₃ Perovskite Light Emitting Devices. Advanced Materials, 2017, 29, 1605317.	11.1	105
32	The Hidden Effects of Particle Shape and Criteria for Evaluating the Upconversion Luminescence of the Lanthanide Doped Nanophosphors. Journal of Physical Chemistry C, 2010, 114, 2452-2461.	1.5	103
33	Nitric Oxide and Reactive Oxygen Species Do Not Elicit Hypersensitive Cell Death but Induce Apoptosis in the Adjacent Cells During the Defense Response of Oat. Molecular Plant-Microbe Interactions, 2004, 17, 245-253.	1.4	102
34	Depth Profiling Block Copolymer Microdomains. Macromolecules, 1998, 31, 2185-2189.	2.2	100
35	The Arabidopsis Mitochondrial Protease FtSH4 Is Involved in Leaf Senescence via Regulation of WRKY-Dependent Salicylic Acid Accumulation and Signaling. Plant Physiology, 2017, 173, 2294-2307.	2.3	98
36	Evidence for the extraterrestrial origin of a natural quasicrystal. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, 1396-1401.	3.3	94

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37	Loss of Ceramide Kinase in Arabidopsis Impairs Defenses and Promotes Ceramide Accumulation and Mitochondrial H₂O₂ Bursts. Plant Cell, 2014, 26, 3449-3467.	3.1	92
38	Anomalous Raman Scattering of Colloidal Yb³⁺,Er³⁺ Codoped NaYF₄ Nanophosphors and Dynamic Probing of the Upconversion Luminescence. Advanced Functional Materials, 2010, 20, 3530-3537.	7.8	91
39	Function and Interaction of the Coupled Genes Responsible for Pik-h Encoded Rice Blast Resistance. PLoS ONE, 2014, 9, e98067.	1.1	88
40	Unsaturation of Very-Long-Chain Ceramides Protects Plant from Hypoxia-Induced Damages by Modulating Ethylene Signaling in Arabidopsis. PLoS Genetics, 2015, 11, e1005143.	1.5	86
41	Arabidopsis acylâ€<scp>C</scp>o<scp>A</scp>â€binding protein <scp>ACBP</scp>3 participates in plant response to hypoxia by modulating veryâ€longâ€chain fatty acid metabolism. Plant Journal, 2015, 81, 53-67.	2.8	84
42	High-yield monolayer graphene grids for near-atomic resolution cryoelectron microscopy. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 1009-1014.	3.3	84
43	Novel evidence for apoptotic cell response and differential signals in chromatin condensation and DNA cleavage in victorin-treated oats. Plant Journal, 2001, 28, 13-26.	2.8	83
44	Porphyrin Amphiphiles as Templates for the Nucleation of Calcium Carbonate. Journal of the American Chemical Society, 1997, 119, 5449-5450.	6.6	82
45	Layer by layer imaging of diblock copolymer films with a scanning electron microscope. Polymer, 1998, 39, 2733-2744.	1.8	81
46	Natural quasicrystal with decagonal symmetry. Scientific Reports, 2015, 5, 9111.	1.6	81
47	Potential measurement from a single lead ziroconate titanate nanofiber using a nanomanipulator. Applied Physics Letters, 2009, 94, .	1.5	80
48	The Arabidopsis ceramidase At<scp>ACER</scp> functions in disease resistance and salt tolerance. Plant Journal, 2015, 81, 767-780.	2.8	79
49	PMN-PT Nanowires with a Very High Piezoelectric Constant. Nano Letters, 2012, 12, 2238-2242.	4.5	76
50	Influence of Bulky Organoâ€Ammonium Halide Additive Choice on the Flexibility and Efficiency of Perovskite Lightâ€Emitting Devices. Advanced Functional Materials, 2018, 28, 1802060.	7.8	76
51	Advances in sealed liquid cells for in-situ TEM electrochemial investigation of lithium-ion battery. Nano Energy, 2015, 11, 196-210.	8.2	75
52	Impact-induced shock and the formation of natural quasicrystals in the early solar system. Nature Communications, 2014, 5, 4040.	5.8	71
53	Extending the Photovoltaic Response of Perovskite Solar Cells into the Nearâ€Infrared with a Narrowâ€Bandgap Organic Semiconductor. Advanced Materials, 2019, 31, e1904494.	11.1	71
54	Nanomedicine as a non-invasive strategy for drug delivery across the blood brain barrier. International Journal of Pharmaceutics, 2016, 515, 331-342.	2.6	65

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55	An investigation of the thermal sensitivity and stability of the Î²-NaYF4:Yb,Er upconversion nanophosphors. Journal of Applied Physics, 2010, 107, 054901.	1.1	62
56	Superior imaging resolution in scanning helium-ion microscopy: A look at beam-sample interactions. Journal of Applied Physics, 2008, 104, .	1.1	61
57	Decagonite, Al₇₁Ni₂₄Fe₅, a quasicrystal with decagonal symmetry from the Khatyrka CV3 carbonaceous chondrite. American Mineralogist, 2015, 100, 2340-2343.	0.9	61
58	Radial compression and controlled cutting of carbon nanotubes. Journal of Chemical Physics, 1998, 109, 2509-2512.	1.2	60
59	AtMMS21, an SMC5/6 Complex Subunit, Is Involved in Stem Cell Niche Maintenance and DNA Damage Responses in Arabidopsis Roots Â Â. Plant Physiology, 2013, 161, 1755-1768.	2.3	60
60	An ABC transporter, OsABCG26, is required for anther cuticle and pollen exine formation and pollen-pistil interactions in rice. Plant Science, 2016, 253, 21-30.	1.7	60
61	Apoptotic Cell Death is a Common Response to Pathogen Attack in Oats. Molecular Plant-Microbe Interactions, 2002, 15, 1000-1007.	1.4	59
62	Orosomucoid Proteins Interact with the Small Subunit of Serine Palmitoyltransferase and Contribute to Sphingolipid Homeostasis and Stress Responses in Arabidopsis. Plant Cell, 2016, 28, 3038-3051.	3.1	57
63	Atomic-Scale Visualization of Quasiparticle Interference on a Type-II Weyl Semimetal Surface. Physical Review Letters, 2016, 117, 266804.	2.9	56
64	Disruption of the Arabidopsis Defense Regulator Genes SAG101, EDS1, and PAD4 Confers Enhanced Freezing Tolerance. Molecular Plant, 2015, 8, 1536-1549.	3.9	55
65	Bi2S3 nanowire networks as electron acceptor layers in solution-processed hybrid solar cells. Journal of Materials Chemistry C, 2015, 3, 2686-2692.	2.7	53
66	One-pot StÃ¶ber route yields template for Ag@carbon yolkâ€“shell nanostructures. Chemical Communications, 2014, 50, 9056.	2.2	51
67	Advances in windowed gas cells for in-situ TEM studies. Nano Energy, 2015, 13, 735-756.	8.2	51
68	Organicâ€“inorganic interfaces and spiral growth in nacre. Journal of the Royal Society Interface, 2009, 6, 367-376.	1.5	50
69	Stable synthesis of few-layered boron nitride nanotubes by anodic arc discharge. Scientific Reports, 2017, 7, 3075.	1.6	50
70	Nitrogen-plasma treated hafnium oxyhydroxide as an efficient acid-stable electrocatalyst for hydrogen evolution and oxidation reactions. Nature Communications, 2019, 10, 1543.	5.8	50
71	Petroleum pitch: Exploring a 50-year structure puzzle with real-space molecular imaging. Carbon, 2020, 161, 456-465.	5.4	50
72	Europium-doped yttrium silicate nanophosphors prepared by flame synthesis. Materials Research Bulletin, 2007, 42, 1440-1449.	2.7	48

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73	Singleâ€Step Assembly of Multimodal Imaging Nanocarriers: MRI and Longâ€Wavelength Fluorescence Imaging. Advanced Healthcare Materials, 2015, 4, 1376-1385.	3.9	48
74	The promoting effect of tetravalent cerium on the oxygen evolution activity of copper oxide catalysts. Physical Chemistry Chemical Physics, 2017, 19, 31545-31552.	1.3	44
75	Understanding Polymorph Transformations in Coreâ€Chlorinated Naphthalene Diimides and their Impact on Thinâ€Film Transistor Performance. Advanced Functional Materials, 2016, 26, 2357-2364.	7.8	42
76	TheRalstonia solanacearumeffector RipAK suppresses plant hypersensitive response by inhibiting the activity of host catalases. Cellular Microbiology, 2017, 19, e12736.	1.1	40
77	Niclosamide Blocks Rice Leaf Blight by Inhibiting Biofilm Formation of Xanthomonas oryzae. Frontiers in Plant Science, 2018, 9, 408.	1.7	38
78	Steinhardtite, a new body-centered-cubic allotropic form of aluminum from the Khatyrka CV3 carbonaceous chondrite. American Mineralogist, 2014, 99, 2433-2436.	0.9	37
79	Fabrication and piezoelectric property of PMN-PT nanofibers. Nano Energy, 2012, 1, 602-607.	8.2	36
80	Biotemplated Synthesis of PZT Nanowires. Nano Letters, 2013, 13, 6197-6202.	4.5	35
81	Fermionâ€“boson many-body interplay in a frustrated kagome paramagnet. Nature Communications, 2020, 11, 4003.	5.8	35
82	Nanoscale Patterning of Barium Titanate on Block Copolymers. Langmuir, 1997, 13, 3866-3870.	1.6	34
83	An Arabidopsis neutral ceramidase mutant ncer1 accumulates hydroxyceramides and is sensitive to oxidative stress. Frontiers in Plant Science, 2015, 6, 460.	1.7	33
84	Effect of the hfq gene on 2,4-diacetylphloroglucinol production and the PcoI/PcoR quorum-sensing system in Pseudomonas fluorescens 2P24. FEMS Microbiology Letters, 2010, 309, no-no.	0.7	32
85	Soft Chemical Synthesis of H_xCrS₂: An Antiferromagnetic Material with Alternating Amorphous and Crystalline Layers. Journal of the American Chemical Society, 2019, 141, 15634-15640.	6.6	31
86	Phosphatidic acid modulates MPK3- and MPK6-mediated hypoxia signaling in Arabidopsis. Plant Cell, 2022, 34, 889-909.	3.1	31
87	Adhesion and the cold welding of gold-silver thin films. Journal of Applied Physics, 2010, 107, 043519.	1.1	30
88	A one-step and scalable production route to metal nanocatalyst supported polymer nanospheres via flash nanoprecipitation. Journal of Materials Chemistry A, 2014, 2, 17286-17290.	5.2	30
89	Loss of alkaline ceramidase inhibits autophagy in Arabidopsis and plays an important role during environmental stress response. Plant, Cell and Environment, 2018, 41, 837-849.	2.8	30
90	Plasma membrane-nucleo-cytoplasmic coordination of a receptor-like cytoplasmic kinase promotes EDS1-dependent plant immunity. Nature Plants, 2022, 8, 802-816.	4.7	30

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91	REM and REELS identifications of atomic terminations at Î±-alumina (01Ì„1) surface. Surface Science, 1989, 208, 533-549.	0.8	29
92	Carbon nanotube caps as springs: Molecular dynamics simulations. Physical Review B, 1998, 58, 12649-12651.	1.1	29
93	Dynamics of Defense Responses and Cell Fate Change during Arabidopsis-Pseudomonas syringae Interactions. PLoS ONE, 2013, 8, e83219.	1.1	29
94	A Gene Expression Profiling of Early Rice Stamen Development that Reveals Inhibition of Photosynthetic Genes by OsMADS58. Molecular Plant, 2015, 8, 1069-1089.	3.9	29
95	Induction of Apoptotic Cell Death Leads to the Development of Bacterial Rot Caused by Pseudomonas cichorii. Molecular Plant-Microbe Interactions, 2006, 19, 112-122.	1.4	27
96	Ethylene Modulates Sphingolipid Synthesis in Arabidopsis. Frontiers in Plant Science, 2015, 6, 1122.	1.7	27
97	Structural variations of the cathode deposit in the carbon arc. Carbon, 2016, 105, 490-495.	5.4	27
98	The observation of surface resonance effects in RHEED patterns. Ultramicroscopy, 1988, 26, 189-194.	0.8	26
99	Fumonisin B1: A Tool for Exploring the Multiple Functions of Sphingolipids in Plants. Frontiers in Plant Science, 2020, 11, 600458.	1.7	26
100	Functions of Sphingolipids in Pathogenesis During Hostâ€“Pathogen Interactions. Frontiers in Microbiology, 2021, 12, 701041.	1.5	26
101	Energy scavenging based on a single-crystal PMN-PT nanobelt. Scientific Reports, 2016, 6, 22513.	1.6	24
102	Ceramide-Induced Cell Death Depends on Calcium and Caspase-Like Activity in Rice. Frontiers in Plant Science, 2020, 11, 145.	1.7	23
103	Transmission electron diffraction of the ordering transformation in crystallineC60. Physical Review B, 1992, 45, 11366-11369.	1.1	22
104	Cellular Tolerance, Accumulation and Distribution of Cadmium in Leaves of Hyperaccumulator Picris divaricata. Pedosphere, 2012, 22, 497-507.	2.1	22
105	Phase transition induced formation of hollow structures in colloidal lanthanide-doped NaYF4 nanocrystals. Journal of Nanoparticle Research, 2010, 12, 1429-1438.	0.8	21
106	A Conserved Cysteine Motif Is Critical for Rice Ceramide Kinase Activity and Function. PLoS ONE, 2011, 6, e18079.	1.1	20
107	Programmed cell death of secretory cavity cells in fruits of Citrus grandis cv. Tomentosa is associated with activation of caspase 3-like protease. Trees - Structure and Function, 2012, 26, 1821-1835.	0.9	20
108	Ultralow Superharmonic Resonance for Functional Nanowires. Nano Letters, 2010, 10, 852-859.	4.5	19

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109	The immune components ENHANCED DISEASE SUSCEPTIBILITY 1 and PHYTOALEXIN DEFICIENT 4 are required for cell death caused by overaccumulation of ceramides in Arabidopsis. Plant Journal, 2021, 107, 1447-1465.	2.8	19
110	Salt Enhances Disease Resistance and Suppresses Cell Death in Ceramide Kinase Mutants. Plant Physiology, 2019, 181, 319-331.	2.3	18
111	A systematic simulation of the effect of salicylic acid on sphingolipid metabolism. Frontiers in Plant Science, 2015, 6, 186.	1.7	17
112	Electron diffraction conditions and surface imaging in reflection electron microscopy. Ultramicroscopy, 1990, 33, 237-254.	0.8	16
113	Growth of Straight Silicon Nanowires on Amorphous Substrates with Uniform Diameter, Length, Orientation, and Location Using Nanopatterned Host-Mediated Catalyst. Nano Letters, 2011, 11, 5247-5251.	4.5	16
114	The parabolas and circles in RHEED patterns. Ultramicroscopy, 1989, 31, 149-157.	0.8	15
115	Emergence of membrane sphingolipids as a potential therapeutic target. Biochimie, 2019, 158, 257-264.	1.3	15
116	Fabrication of uniformly dispersed nanoparticle-doped chalcogenide glass. Applied Physics Letters, 2014, 105, 261906.	1.5	14
117	A Novel Pyrimidin-Like Plant Activator Stimulates Plant Disease Resistance and Promotes Growth. PLoS ONE, 2015, 10, e0123227.	1.1	14
118	MOCVD synthesis of compositionally tuned topological insulator nanowires. Physica Status Solidi - Rapid Research Letters, 2014, 8, 991-996.	1.2	13
119	Cu(II) Galvanic Reduction and Deposition onto Iron Nano- and Microparticles: Resulting Morphologies and Growth Mechanisms. Langmuir, 2015, 31, 789-798.	1.6	12
120	Humidity and Strain Rate Determine the Extent of Phase Shift in the Piezoresistive Response of PEDOT:PSS. ACS Applied Materials & Interfaces, 2019, 11, 16888-16895.	4.0	12
121	Autophagy in Plant Immunity. Advances in Experimental Medicine and Biology, 2019, 1209, 23-41.	0.8	12
122	Anisotropic crystallization in solution processed chalcogenide thin film by linearly polarized laser. Applied Physics Letters, 2017, 110, .	1.5	11
123	Mechanical and hyperthermic properties of magnetic nanocomposites for biomedical applications. Journal of the Mechanical Behavior of Biomedical Materials, 2015, 49, 118-128.	1.5	10
124	Photoluminescence of Functionalized Germanium Nanocrystals Embedded in Arsenic Sulfide Glass. ACS Applied Materials & Interfaces, 2017, 9, 18911-18917.	4.0	10
125	Nanocomposite Mullite/Mullite Powders by Spray Pyrolysis. Journal of Nanoparticle Research, 1999, 1, 127-130.	0.8	9
126	Rutherford backscattering oscillation in scanning helium-ion microscopy. Journal of Applied Physics, 2011, 109, 064311.	1.1	9

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127	Toxicity of Nanomaterials to Plants. , 2015, , 101-123.		9
128	In-situ synthesis and defect evolution of single-crystal piezoelectric nanoparticles. Nano Energy, 2016, 28, 195-205.	8.2	9
129	Dynamic nano-triboelectrification using torsional resonance mode atomic force microscopy. Scientific Reports, 2016, 6, 27874.	1.6	9
130	Insights into genomic evolution from the chromosomal and mitochondrial genomes of Ustilaginoidea virens. Phytopathology Research, 2021, 3, .	0.9	9
131	The Arabidopsis AtGCD3 protein is a glucosylceramidase that preferentially hydrolyzes long-acyl-chain glucosylceramides. Journal of Biological Chemistry, 2020, 295, 717-728.	1.6	9
132	Ceramides regulate defense response by binding to RbohD in Arabidopsis. Plant Journal, 2022, 109, 1427-1440.	2.8	9
133	Observation of double line contrast in surface imaging. Microscopy Research and Technique, 1992, 20, 413-425.	1.2	8
134	Convergent Beam Electron Diffraction and High Resolution Electron Microscopy of CaFeTi2O6Perovskite. Journal of Solid State Chemistry, 1996, 123, 73-82.	1.4	8
135	Stabilizing cyanosols: amorphous cyanide bridged transition metal polymer nanoparticles. Journal of Materials Chemistry, 2009, 19, 8846.	6.7	8
136	Energy Harvesting Based on PZT Nanofibers. Green Energy and Technology, 2011, , 425-438.	0.4	8
137	Adjustable stiffness of individual piezoelectric nanofibers by electron beam polarization. Applied Physics Letters, 2011, 99, .	1.5	8
138	The (0001) surfaces of Î±-Fe₂O₃ nanocrystals are preferentially activated for water oxidation by Ni doping. Physical Chemistry Chemical Physics, 2015, 17, 26797-26803.	1.3	8
139	Nanoscale electrical properties of epitaxial Cu3Ge film. Scientific Reports, 2016, 6, 28818.	1.6	8
140	Jasmonates modulate sphingolipid metabolism and accelerate cell death in the ceramide kinase mutant acd5. Plant Physiology, 2021, 187, 1713-1727.	2.3	8
141	A wire microcalorimetric study of catalytic ignition of methaneâ€“air mixtures over palladium oxide. Proceedings of the Combustion Institute, 2011, 33, 1819-1825.	2.4	7
142	Wireless biomechanical power harvesting via flexible magnetostrictive ribbons. Energy and Environmental Science, 2014, 7, 2243.	15.6	7
143	BIK1 and ERECTA Play Opposing Roles in Both Leaf and Inflorescence Development in Arabidopsis. Frontiers in Plant Science, 2019, 10, 1480.	1.7	7
144	The Arabidopsis AtGCD3 protein is a glucosylceramidase that preferentially hydrolyzes long-acyl-chain glucosylceramides. Journal of Biological Chemistry, 2020, 295, 717-728.	1.6	7

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145	Sphingolipids in plant immunity. Phytopathology Research, 2022, 4, .	0.9	6
146	In Situ Mechanical and Electrical Characterization of Individual <scp>TiO</scp>₂ Nanofibers Using a Nanomanipulator System. Scanning, 2012, 34, 341-346.	0.7	5
147	A Role of the FUZZY ONIONS LIKE Gene in Regulating Cell Death and Defense in Arabidopsis. Scientific Reports, 2016, 6, 37797.	1.6	5
148	The Two Classes of Ceramide Synthases Play Different Roles in Plant Immunity and Cell Death. Frontiers in Plant Science, 2022, 13, 824585.	1.7	5
149	Identification of Arabidopsis accession with resistance to Botrytis cinerea by natural variation analysis, and characterization of the resistance response. Plant Biotechnology, 2013, 30, 89-95.	0.5	4
150	PMN-PT nanostructures for energy scavenging. Semiconductor Science and Technology, 2017, 32, 063001.	1.0	4
151	Arabidopsis alkaline ceramidase ACER functions in defense against insect herbivory. Journal of Experimental Botany, 2022, 73, 4954-4967.	2.4	4
152	The Arabidopsis KH-domain protein FLOWERING LOCUS Y delays flowering by upregulating FLOWERING LOCUS C family members. Plant Cell Reports, 2020, 39, 1705-1717.	2.8	3
153	Understanding solution processing of inorganic materials using cryo-EM. Optical Materials Express, 2020, 10, 119.	1.6	3
154	Ligand Effects and Synthesis of NaYF₄ Based Up and Downconversion Colloidal Nanophosphors. ACS Symposium Series, 2011, , 71-85.	0.5	2
155	Surface modifications with Lissajous trajectories using atomic force microscopy. Applied Physics Letters, 2015, 107, 113102.	1.5	2
156	Young's Modulus Determination of Unpolled Electrospun PZT Nanofibers. Science of Advanced Materials, 2012, 4, 847-850.	0.1	2
157	Biomimetic fabrication of materials: the minimalist approach. , 1996, 2716, 317.		1
158	Applications for biological materials. , 0, , 337-354.		1
159	Effect of surface defects on InGaAs/InAlAs Quantum Cascade mesa currentâ€“voltage characteristics. Journal of Crystal Growth, 2012, 353, 35-38.	0.7	1
160	A Pyrimidin-Like Plant Activator Stimulates Plant Disease Resistance and Promotes the Synthesis of Primary Metabolites. International Journal of Molecular Sciences, 2020, 21, 2705.	1.8	1
161	Material Study of High Performance Single Crystal Ferroelectric Nanowires. Microscopy and Microanalysis, 2014, 20, 1968-1969.	0.2	0
162	Laser ablation of germanium in arsenic sulfide solution. , 2016, , .		0