

Nan Yao

List of Publications by Year in descending order

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162
papers

12,216
citations

25034

57
h-index

26613

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.	9.1	808
2	The role and regulation of programmed cell death in plant-pathogen interactions. Cellular Microbiology, 2004, 6, 201-211.	2.1	649
3	A detrimental mitochondrial-nuclear interaction causes cytoplasmic male sterility in rice. Nature Genetics, 2013, 45, 573-577.	21.4	415
4	Synthesis of Photonic Crystals for Optical Wavelengths from Semiconductor Quantum Dots. Advanced Materials, 1999, 11, 165-169.	21.0	355
5	Young's modulus of single-walled carbon nanotubes. Journal of Applied Physics, 1998, 84, 1939-1943.	2.5	344
6	Molecular mechanics of binding in carbon-nanotube-polymer composites. Journal of Materials Research, 2000, 15, 2770-2779.	2.6	334
7	Ceramides modulate programmed cell death in plants. Genes and Development, 2003, 17, 2636-2641.	5.9	321
8	Flexible Piezoelectric PMN-PT Nanowire-Based Nanocomposite and Device. Nano Letters, 2013, 13, 2393-2398.	9.1	290
9	Extremely Low Operating Current Resistive Memory Based on Exfoliated 2D Perovskite Single Crystals for Neuromorphic Computing. ACS Nano, 2017, 11, 12247-12256.	14.6	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.	18.7	277
11	A J Domain Virulence Effector of Pseudomonas syringae Remodels Host Chloroplasts and Suppresses Defenses. Current Biology, 2007, 17, 499-508.	3.9	266
12	The mitochondrion - an organelle commonly involved in programmed cell death in Arabidopsis thaliana. Plant Journal, 2004, 40, 596-610.	5.7	253
13	Quantum-limit Chern topological magnetism in TbMn6Sn6. Nature, 2020, 583, 533-536.	27.8	253
14	Natural Quasicrystals. Science, 2009, 324, 1306-1309.	12.6	243
15	Arabidopsis ACCELERATED CELL DEATH2 Modulates Programmed Cell Death. Plant Cell, 2006, 18, 397-411.	6.6	221
16	Induction of programmed cell death in Arabidopsis and rice by single-wall carbon nanotubes. American Journal of Botany, 2010, 97, 1602-1609.	1.7	218
17	Specific adaptation of Ustilaginoidea virens in occupying host florets revealed by comparative and functional genomics. Nature Communications, 2014, 5, 3849.	12.8	202
18	Possible animal-body fossils in pre-Marinoan limestones from South Australia. Nature Geoscience, 2010, 3, 653-659.	12.9	180

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19	Pegylated Composite Nanoparticles Containing Upconverting Phosphors and <i>meso</i> -Tetraphenyl porphine (TPP) for Photodynamic Therapy. <i>Advanced Functional Materials</i> , 2011, 21, 2488-2495.	14.9	172
20	Comparative Analysis of the Genomes of Two Field Isolates of the Rice Blast Fungus <i>Magnaporthe oryzae</i> . <i>PLoS Genetics</i> , 2012, 8, e1002869.	3.5	167
21	Icosahedrite, Al ₆₃ Cu ₂₄ Fe ₁₃ , the first natural quasicrystal. <i>American Mineralogist</i> , 2011, 96, 928-931.	1.9	165
22	Mixed-Halide Perovskites with Stabilized Bandgaps. <i>Nano Letters</i> , 2017, 17, 6863-6869.	9.1	165
23	Activity of pure and transition metal-modified CoOOH for the oxygen evolution reaction in an alkaline medium. <i>Journal of Materials Chemistry A</i> , 2017, 5, 842-850.	10.3	158
24	<i>In Situ</i> Preparation of Metal Halide Perovskite Nanocrystal Thin Films for Improved Light-Emitting Devices. <i>ACS Nano</i> , 2017, 11, 3957-3964.	14.6	151
25	Ultrastable nanostructured polymer glasses. <i>Nature Materials</i> , 2012, 11, 337-343.	27.5	150
26	Synthesis of Stable Block-Copolymer-Protected NaYF ₄ :Yb ³⁺ , Er ³⁺ Up-Converting Phosphor Nanoparticles. <i>Chemistry of Materials</i> , 2010, 22, 311-318.	6.7	137
27	Mitochondrial oxidative burst involved in apoptotic response in oats. <i>Plant Journal</i> , 2002, 30, 567-579.	5.7	131
28	Au@carbon yolk-shell nanostructures via one-step core-shell template. <i>Chemical Communications</i> , 2014, 50, 478-480.	4.1	116
29	Fermi arc electronic structure and Chern numbers in the type-II Weyl semimetal candidate Mo_xW_{1-x} . <i>Physical Review B</i> , 2016, 94, .	3.5	115
30	Atomic-Scale Visualization of Quantum Interference on a Weyl Semimetal Surface by Scanning Tunneling Microscopy. <i>ACS Nano</i> , 2016, 10, 1378-1385.	14.6	112
31	Electrical Stress Influences the Efficiency of CH ₃ NH ₃ PbI ₃ Perovskite Light Emitting Devices. <i>Advanced Materials</i> , 2017, 29, 1605317.	21.0	105
32	The Hidden Effects of Particle Shape and Criteria for Evaluating the Upconversion Luminescence of the Lanthanide Doped Nanophosphors. <i>Journal of Physical Chemistry C</i> , 2010, 114, 2452-2461.	3.1	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. <i>Molecular Plant-Microbe Interactions</i> , 2004, 17, 245-253.	2.6	102
34	Depth Profiling Block Copolymer Microdomains. <i>Macromolecules</i> , 1998, 31, 2185-2189.	4.8	100
35	The Arabidopsis Mitochondrial Protease FtSH4 Is Involved in Leaf Senescence via Regulation of WRKY-Dependent Salicylic Acid Accumulation and Signaling. <i>Plant Physiology</i> , 2017, 173, 2294-2307.	4.8	98
36	Evidence for the extraterrestrial origin of a natural quasicrystal. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012, 109, 1396-1401.	7.1	94

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37	Loss of Ceramide Kinase in <i>Arabidopsis</i> Impairs Defenses and Promotes Ceramide Accumulation and Mitochondrial H ₂ O ₂ Bursts. <i>Plant Cell</i> , 2014, 26, 3449-3467.	6.6	92
38	Anomalous Raman Scattering of Colloidal Yb ³⁺ ,Er ³⁺ Codoped NaYF ₄ Nanophosphors and Dynamic Probing of the Upconversion Luminescence. <i>Advanced Functional Materials</i> , 2010, 20, 3530-3537.	14.9	91
39	Function and Interaction of the Coupled Genes Responsible for Pik-h Encoded Rice Blast Resistance. <i>PLoS ONE</i> , 2014, 9, e98067.	2.5	88
40	Unsaturation of Very-Long-Chain Ceramides Protects Plant from Hypoxia-Induced Damages by Modulating Ethylene Signaling in <i>Arabidopsis</i> . <i>PLoS Genetics</i> , 2015, 11, e1005143.	3.5	86
41	<i>Arabidopsis</i> acyl-CoA-binding protein ACBP3 participates in plant response to hypoxia by modulating very-long-chain fatty acid metabolism. <i>Plant Journal</i> , 2015, 81, 53-67.	5.7	84
42	High-yield monolayer graphene grids for near-atomic resolution cryoelectron microscopy. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 1009-1014.	7.1	84
43	Novel evidence for apoptotic cell response and differential signals in chromatin condensation and DNA cleavage in victorin-treated oats. <i>Plant Journal</i> , 2001, 28, 13-26.	5.7	83
44	Porphyrin Amphiphiles as Templates for the Nucleation of Calcium Carbonate. <i>Journal of the American Chemical Society</i> , 1997, 119, 5449-5450.	13.7	82
45	Layer by layer imaging of diblock copolymer films with a scanning electron microscope. <i>Polymer</i> , 1998, 39, 2733-2744.	3.8	81
46	Natural quasicrystal with decagonal symmetry. <i>Scientific Reports</i> , 2015, 5, 9111.	3.3	81
47	Potential measurement from a single lead zirconate titanate nanofiber using a nanomanipulator. <i>Applied Physics Letters</i> , 2009, 94, .	3.3	80
48	The <i>Arabidopsis</i> ceramidase <i>AtACER</i> functions in disease resistance and salt tolerance. <i>Plant Journal</i> , 2015, 81, 767-780.	5.7	79
49	PMN-PT Nanowires with a Very High Piezoelectric Constant. <i>Nano Letters</i> , 2012, 12, 2238-2242.	9.1	76
50	Influence of Bulky Organoammonium Halide Additive Choice on the Flexibility and Efficiency of Perovskite Light-Emitting Devices. <i>Advanced Functional Materials</i> , 2018, 28, 1802060.	14.9	76
51	Advances in sealed liquid cells for in-situ TEM electrochemical investigation of lithium-ion battery. <i>Nano Energy</i> , 2015, 11, 196-210.	16.0	75
52	Impact-induced shock and the formation of natural quasicrystals in the early solar system. <i>Nature Communications</i> , 2014, 5, 4040.	12.8	71
53	Extending the Photovoltaic Response of Perovskite Solar Cells into the Near-Infrared with a Narrow-Bandgap Organic Semiconductor. <i>Advanced Materials</i> , 2019, 31, e1904494.	21.0	71
54	Nanomedicine as a non-invasive strategy for drug delivery across the blood brain barrier. <i>International Journal of Pharmaceutics</i> , 2016, 515, 331-342.	5.2	65

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55	An investigation of the thermal sensitivity and stability of the $\text{I}^2\text{-NaYF}_4\text{:Yb,Er}$ upconversion nanophosphors. <i>Journal of Applied Physics</i> , 2010, 107, 054901.	2.5	62
56	Superior imaging resolution in scanning helium-ion microscopy: A look at beam-sample interactions. <i>Journal of Applied Physics</i> , 2008, 104, .	2.5	61
57	Decagonite, $\text{Al}_{71}\text{Ni}_{24}\text{Fe}_5$, a quasicrystal with decagonal symmetry from the Khatyrka CV3 carbonaceous chondrite. <i>American Mineralogist</i> , 2015, 100, 2340-2343.	1.9	61
58	Radial compression and controlled cutting of carbon nanotubes. <i>Journal of Chemical Physics</i> , 1998, 109, 2509-2512.	3.0	60
59	AtMMS21, an SMC5/6 Complex Subunit, Is Involved in Stem Cell Niche Maintenance and DNA Damage Responses in Arabidopsis Roots \AA . <i>Plant Physiology</i> , 2013, 161, 1755-1768.	4.8	60
60	An ABC transporter, OsABCG26, is required for anther cuticle and pollen exine formation and pollen-pistil interactions in rice. <i>Plant Science</i> , 2016, 253, 21-30.	3.6	60
61	Apoptotic Cell Death is a Common Response to Pathogen Attack in Oats. <i>Molecular Plant-Microbe Interactions</i> , 2002, 15, 1000-1007.	2.6	59
62	Orosomucoid Proteins Interact with the Small Subunit of Serine Palmitoyltransferase and Contribute to Sphingolipid Homeostasis and Stress Responses in Arabidopsis. <i>Plant Cell</i> , 2016, 28, 3038-3051.	6.6	57
63	Atomic-Scale Visualization of Quasiparticle Interference on a Type-II Weyl Semimetal Surface. <i>Physical Review Letters</i> , 2016, 117, 266804.	7.8	56
64	Disruption of the Arabidopsis Defense Regulator Genes SAG101, EDS1, and PAD4 Confers Enhanced Freezing Tolerance. <i>Molecular Plant</i> , 2015, 8, 1536-1549.	8.3	55
65	Bi_2S_3 nanowire networks as electron acceptor layers in solution-processed hybrid solar cells. <i>Journal of Materials Chemistry C</i> , 2015, 3, 2686-2692.	5.5	53
66	One-pot St \AA ber route yields template for Ag@carbon yolk-shell nanostructures. <i>Chemical Communications</i> , 2014, 50, 9056.	4.1	51
67	Advances in windowed gas cells for in-situ TEM studies. <i>Nano Energy</i> , 2015, 13, 735-756.	16.0	51
68	Organic-inorganic interfaces and spiral growth in nacre. <i>Journal of the Royal Society Interface</i> , 2009, 6, 367-376.	3.4	50
69	Stable synthesis of few-layered boron nitride nanotubes by anodic arc discharge. <i>Scientific Reports</i> , 2017, 7, 3075.	3.3	50
70	Nitrogen-plasma treated hafnium oxyhydroxide as an efficient acid-stable electrocatalyst for hydrogen evolution and oxidation reactions. <i>Nature Communications</i> , 2019, 10, 1543.	12.8	50
71	Petroleum pitch: Exploring a 50-year structure puzzle with real-space molecular imaging. <i>Carbon</i> , 2020, 161, 456-465.	10.3	50
72	Europium-doped yttrium silicate nanophosphors prepared by flame synthesis. <i>Materials Research Bulletin</i> , 2007, 42, 1440-1449.	5.2	48

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73	Single-Step Assembly of Multimodal Imaging Nanocarriers: MRI and Long-Wavelength Fluorescence Imaging. <i>Advanced Healthcare Materials</i> , 2015, 4, 1376-1385.	7.6	48
74	The promoting effect of tetravalent cerium on the oxygen evolution activity of copper oxide catalysts. <i>Physical Chemistry Chemical Physics</i> , 2017, 19, 31545-31552.	2.8	44
75	Understanding Polymorph Transformations in Core-Chlorinated Naphthalene Diimides and their Impact on Thin-Film Transistor Performance. <i>Advanced Functional Materials</i> , 2016, 26, 2357-2364.	14.9	42
76	The <i>Ralstonia solanacearum</i> effector RipAK suppresses plant hypersensitive response by inhibiting the activity of host catalases. <i>Cellular Microbiology</i> , 2017, 19, e12736.	2.1	40
77	Nicosamide Blocks Rice Leaf Blight by Inhibiting Biofilm Formation of <i>Xanthomonas oryzae</i> . <i>Frontiers in Plant Science</i> , 2018, 9, 408.	3.6	38
78	Steinhardtite, a new body-centered-cubic allotropic form of aluminum from the Khatyrka CV3 carbonaceous chondrite. <i>American Mineralogist</i> , 2014, 99, 2433-2436.	1.9	37
79	Fabrication and piezoelectric property of PMN-PT nanofibers. <i>Nano Energy</i> , 2012, 1, 602-607.	16.0	36
80	Biotemplated Synthesis of PZT Nanowires. <i>Nano Letters</i> , 2013, 13, 6197-6202.	9.1	35
81	Fermion-boson many-body interplay in a frustrated kagome paramagnet. <i>Nature Communications</i> , 2020, 11, 4003.	12.8	35
82	Nanoscale Patterning of Barium Titanate on Block Copolymers. <i>Langmuir</i> , 1997, 13, 3866-3870.	3.5	34
83	An <i>Arabidopsis</i> neutral ceramidase mutant <i>ncer1</i> accumulates hydroxyceramides and is sensitive to oxidative stress. <i>Frontiers in Plant Science</i> , 2015, 6, 460.	3.6	33
84	Effect of the <i>hfq</i> gene on 2,4-diacetylphloroglucinol production and the PcoI/PcoR quorum-sensing system in <i>Pseudomonas fluorescens</i> 2P24. <i>FEMS Microbiology Letters</i> , 2010, 309, no-no.	1.8	32
85	Soft Chemical Synthesis of Hf_2CrS_2 : An Antiferromagnetic Material with Alternating Amorphous and Crystalline Layers. <i>Journal of the American Chemical Society</i> , 2019, 141, 15634-15640.	13.7	31
86	Phosphatidic acid modulates MPK3- and MPK6-mediated hypoxia signaling in <i>Arabidopsis</i> . <i>Plant Cell</i> , 2022, 34, 889-909.	6.6	31
87	Adhesion and the cold welding of gold-silver thin films. <i>Journal of Applied Physics</i> , 2010, 107, 043519.	2.5	30
88	A one-step and scalable production route to metal nanocatalyst supported polymer nanospheres via flash nanoprecipitation. <i>Journal of Materials Chemistry A</i> , 2014, 2, 17286-17290.	10.3	30
89	Loss of alkaline ceramidase inhibits autophagy in <i>Arabidopsis</i> and plays an important role during environmental stress response. <i>Plant, Cell and Environment</i> , 2018, 41, 837-849.	5.7	30
90	Plasma membrane-nucleo-cytoplasmic coordination of a receptor-like cytoplasmic kinase promotes EDS1-dependent plant immunity. <i>Nature Plants</i> , 2022, 8, 802-816.	9.3	30

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91	REM and REELS identifications of atomic terminations at α -alumina (011 $\bar{1}$,1) surface. <i>Surface Science</i> , 1989, 208, 533-549.	1.9	29
92	Carbon nanotube caps as springs: Molecular dynamics simulations. <i>Physical Review B</i> , 1998, 58, 12649-12651.	3.2	29
93	Dynamics of Defense Responses and Cell Fate Change during Arabidopsis-Pseudomonas syringae Interactions. <i>PLoS ONE</i> , 2013, 8, e83219.	2.5	29
94	A Gene Expression Profiling of Early Rice Stamen Development that Reveals Inhibition of Photosynthetic Genes by OsMADS58. <i>Molecular Plant</i> , 2015, 8, 1069-1089.	8.3	29
95	Induction of Apoptotic Cell Death Leads to the Development of Bacterial Rot Caused by Pseudomonas cichorii. <i>Molecular Plant-Microbe Interactions</i> , 2006, 19, 112-122.	2.6	27
96	Ethylene Modulates Sphingolipid Synthesis in Arabidopsis. <i>Frontiers in Plant Science</i> , 2015, 6, 1122.	3.6	27
97	Structural variations of the cathode deposit in the carbon arc. <i>Carbon</i> , 2016, 105, 490-495.	10.3	27
98	The observation of surface resonance effects in RHEED patterns. <i>Ultramicroscopy</i> , 1988, 26, 189-194.	1.9	26
99	Fumonisin B1: A Tool for Exploring the Multiple Functions of Sphingolipids in Plants. <i>Frontiers in Plant Science</i> , 2020, 11, 600458.	3.6	26
100	Functions of Sphingolipids in Pathogenesis During Host-Pathogen Interactions. <i>Frontiers in Microbiology</i> , 2021, 12, 701041.	3.5	26
101	Energy scavenging based on a single-crystal PMN-PT nanobelt. <i>Scientific Reports</i> , 2016, 6, 22513.	3.3	24
102	Ceramide-Induced Cell Death Depends on Calcium and Caspase-Like Activity in Rice. <i>Frontiers in Plant Science</i> , 2020, 11, 145.	3.6	23
103	Transmission electron diffraction of the ordering transformation in crystalline C ₆₀ . <i>Physical Review B</i> , 1992, 45, 11366-11369.	3.2	22
104	Cellular Tolerance, Accumulation and Distribution of Cadmium in Leaves of Hyperaccumulator <i>Picris divaricata</i> . <i>Pedosphere</i> , 2012, 22, 497-507.	4.0	22
105	Phase transition induced formation of hollow structures in colloidal lanthanide-doped NaYF ₄ nanocrystals. <i>Journal of Nanoparticle Research</i> , 2010, 12, 1429-1438.	1.9	21
106	A Conserved Cysteine Motif Is Critical for Rice Ceramide Kinase Activity and Function. <i>PLoS ONE</i> , 2011, 6, e18079.	2.5	20
107	Programmed cell death of secretory cavity cells in fruits of <i>Citrus grandis</i> cv. <i>Tomentosa</i> is associated with activation of caspase 3-like protease. <i>Trees - Structure and Function</i> , 2012, 26, 1821-1835.	1.9	20
108	Ultralow Superharmonic Resonance for Functional Nanowires. <i>Nano Letters</i> , 2010, 10, 852-859.	9.1	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. <i>Plant Journal</i> , 2021, 107, 1447-1465.	5.7	19
110	Salt Enhances Disease Resistance and Suppresses Cell Death in Ceramide Kinase Mutants. <i>Plant Physiology</i> , 2019, 181, 319-331.	4.8	18
111	A systematic simulation of the effect of salicylic acid on sphingolipid metabolism. <i>Frontiers in Plant Science</i> , 2015, 6, 186.	3.6	17
112	Electron diffraction conditions and surface imaging in reflection electron microscopy. <i>Ultramicroscopy</i> , 1990, 33, 237-254.	1.9	16
113	Growth of Straight Silicon Nanowires on Amorphous Substrates with Uniform Diameter, Length, Orientation, and Location Using Nanopatterned Host-Mediated Catalyst. <i>Nano Letters</i> , 2011, 11, 5247-5251.	9.1	16
114	The parabolas and circles in RHEED patterns. <i>Ultramicroscopy</i> , 1989, 31, 149-157.	1.9	15
115	Emergence of membrane sphingolipids as a potential therapeutic target. <i>Biochimie</i> , 2019, 158, 257-264.	2.6	15
116	Fabrication of uniformly dispersed nanoparticle-doped chalcogenide glass. <i>Applied Physics Letters</i> , 2014, 105, 261906.	3.3	14
117	A Novel Pyrimidin-Like Plant Activator Stimulates Plant Disease Resistance and Promotes Growth. <i>PLoS ONE</i> , 2015, 10, e0123227.	2.5	14
118	MOCVD synthesis of compositionally tuned topological insulator nanowires. <i>Physica Status Solidi - Rapid Research Letters</i> , 2014, 8, 991-996.	2.4	13
119	Cu(II) Galvanic Reduction and Deposition onto Iron Nano- and Microparticles: Resulting Morphologies and Growth Mechanisms. <i>Langmuir</i> , 2015, 31, 789-798.	3.5	12
120	Humidity and Strain Rate Determine the Extent of Phase Shift in the Piezoresistive Response of PEDOT:PSS. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 16888-16895.	8.0	12
121	Autophagy in Plant Immunity. <i>Advances in Experimental Medicine and Biology</i> , 2019, 1209, 23-41.	1.6	12
122	Anisotropic crystallization in solution processed chalcogenide thin film by linearly polarized laser. <i>Applied Physics Letters</i> , 2017, 110, .	3.3	11
123	Mechanical and hyperthermic properties of magnetic nanocomposites for biomedical applications. <i>Journal of the Mechanical Behavior of Biomedical Materials</i> , 2015, 49, 118-128.	3.1	10
124	Photoluminescence of Functionalized Germanium Nanocrystals Embedded in Arsenic Sulfide Glass. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 18911-18917.	8.0	10
125	Nanocomposite Mullite/Mullite Powders by Spray Pyrolysis. <i>Journal of Nanoparticle Research</i> , 1999, 1, 127-130.	1.9	9
126	Rutherford backscattering oscillation in scanning helium-ion microscopy. <i>Journal of Applied Physics</i> , 2011, 109, 064311.	2.5	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.	16.0	9
129	Dynamic nano-triboelectrification using torsional resonance mode atomic force microscopy. Scientific Reports, 2016, 6, 27874.	3.3	9
130	Insights into genomic evolution from the chromosomal and mitochondrial genomes of Ustilaginoidea virens. Phytopathology Research, 2021, 3, .	2.4	9
131	The Arabidopsis AtGCD3 protein is a glucosylceramidase that preferentially hydrolyzes long-acyl-chain glucosylceramides. Journal of Biological Chemistry, 2020, 295, 717-728.	3.4	9
132	Ceramides regulate defense response by binding to RbohD in <i>Arabidopsis</i> . Plant Journal, 2022, 109, 1427-1440.	5.7	9
133	Observation of double line contrast in surface imaging. Microscopy Research and Technique, 1992, 20, 413-425.	2.2	8
134	Convergent Beam Electron Diffraction and High Resolution Electron Microscopy of CaFeTi ₂ O ₆ Perovskite. Journal of Solid State Chemistry, 1996, 123, 73-82.	2.9	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.	0.6	8
137	Adjustable stiffness of individual piezoelectric nanofibers by electron beam polarization. Applied Physics Letters, 2011, 99, .	3.3	8
138	The (0001) surfaces of Fe_2O_3 nanocrystals are preferentially activated for water oxidation by Ni doping. Physical Chemistry Chemical Physics, 2015, 17, 26797-26803.	2.8	8
139	Nanoscale electrical properties of epitaxial Cu ₃ Ge film. Scientific Reports, 2016, 6, 28818.	3.3	8
140	Jasmonates modulate sphingolipid metabolism and accelerate cell death in the ceramide kinase mutant <i>acd5</i> . Plant Physiology, 2021, 187, 1713-1727.	4.8	8
141	A wire microcalorimetric study of catalytic ignition of methane-air mixtures over palladium oxide. Proceedings of the Combustion Institute, 2011, 33, 1819-1825.	3.9	7
142	Wireless biomechanical power harvesting via flexible magnetostrictive ribbons. Energy and Environmental Science, 2014, 7, 2243.	30.8	7
143	BIK1 and ERECTA Play Opposing Roles in Both Leaf and Inflorescence Development in Arabidopsis. Frontiers in Plant Science, 2019, 10, 1480.	3.6	7
144	The <i>Arabidopsis At</i> GCD3 protein is a glucosylceramidase that preferentially hydrolyzes long-acyl-chain glucosylceramides. Journal of Biological Chemistry, 2020, 295, 717-728.	3.4	7

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145	Sphingolipids in plant immunity. <i>Phytopathology Research</i> , 2022, 4, .	2.4	6
146	In Situ Mechanical and Electrical Characterization of Individual TiO_2 Nanofibers Using a Nanomanipulator System. <i>Scanning</i> , 2012, 34, 341-346.	1.5	5
147	A Role of the FUZZY ONIONS LIKE Gene in Regulating Cell Death and Defense in Arabidopsis. <i>Scientific Reports</i> , 2016, 6, 37797.	3.3	5
148	The Two Classes of Ceramide Synthases Play Different Roles in Plant Immunity and Cell Death. <i>Frontiers in Plant Science</i> , 2022, 13, 824585.	3.6	5
149	Identification of Arabidopsis accession with resistance to <i>Botrytis cinerea</i> by natural variation analysis, and characterization of the resistance response. <i>Plant Biotechnology</i> , 2013, 30, 89-95.	1.0	4
150	PMN-PT nanostructures for energy scavenging. <i>Semiconductor Science and Technology</i> , 2017, 32, 063001.	2.0	4
151	Arabidopsis alkaline ceramidase ACER functions in defense against insect herbivory. <i>Journal of Experimental Botany</i> , 2022, 73, 4954-4967.	4.8	4
152	The Arabidopsis KH-domain protein FLOWERING LOCUS Y delays flowering by upregulating FLOWERING LOCUS C family members. <i>Plant Cell Reports</i> , 2020, 39, 1705-1717.	5.6	3
153	Understanding solution processing of inorganic materials using cryo-EM. <i>Optical Materials Express</i> , 2020, 10, 119.	3.0	3
154	Ligand Effects and Synthesis of NaYF_4 Based Up and Downconversion Colloidal Nanophosphors. <i>ACS Symposium Series</i> , 2011, , 71-85.	0.5	2
155	Surface modifications with Lissajous trajectories using atomic force microscopy. <i>Applied Physics Letters</i> , 2015, 107, 113102.	3.3	2
156	Young's Modulus Determination of Unpolled Electrospun PZT Nanofibers. <i>Science of Advanced Materials</i> , 2012, 4, 847-850.	0.7	2
157	Biomimetic fabrication of materials: the minimalist approach. , 1996, 2716, 317.		1
158	Applications for biological materials. , 0, , 337-354.		1
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