

Yuan Gao

List of Publications by Year in descending order

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342
papers

11,391
citations

34105

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39675

94
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345
all docs

345
docs citations

345
times ranked

11561
citing authors

#	ARTICLE	IF	CITATIONS
1	A survey on federated learning. Knowledge-Based Systems, 2021, 216, 106775.	7.1	417
2	Imaging enzyme-triggered self-assembly of small molecules inside live cells. Nature Communications, 2012, 3, 1033.	12.8	411
3	Enzyme-Instructed Molecular Self-assembly Confers Nanofibers and a Supramolecular Hydrogel of Taxol Derivative. Journal of the American Chemical Society, 2009, 131, 13576-13577.	13.7	373
4	Aromatic ^π -Aromatic Interactions Induce the Self-Assembly of Pentapeptidic Derivatives in Water To Form Nanofibers and Supramolecular Hydrogels. Journal of the American Chemical Society, 2010, 132, 2719-2728.	13.7	328
5	An ingestible self-orienting system for oral delivery of macromolecules. Science, 2019, 363, 611-615.	12.6	287
6	α -Amino Acids Boost the Selectivity and Confer Supramolecular Hydrogels of a Nonsteroidal Anti-Inflammatory Drug (NSAID). Journal of the American Chemical Society, 2013, 135, 542-545.	13.7	264
7	Supramolecular Hydrogel of a α -Amino Acid Dipeptide for Controlled Drug Release in Vivo. Langmuir, 2009, 25, 8419-8422.	3.5	257
8	Small peptide nanofibers as the matrices of molecular hydrogels for mimicking enzymes and enhancing the activity of enzymes. Chemical Society Reviews, 2010, 39, 3425.	38.1	242
9	Dephosphorylation of α -Peptide Derivatives to Form Biofunctional, Supramolecular Nanofibers/Hydrogels and Their Potential Applications for Intracellular Imaging and Intratumoral Chemotherapy. Journal of the American Chemical Society, 2013, 135, 9907-9914.	13.7	226
10	Versatile Small-Molecule Motifs for Self-Assembly in Water and the Formation of Biofunctional Supramolecular Hydrogels. Langmuir, 2011, 27, 529-537.	3.5	203
11	Conjugates of naphthalene and dipeptides produce molecular hydrogelators with high efficiency of hydrogelation and superhelical nanofibers. Journal of Materials Chemistry, 2007, 17, 850-854.	6.7	192
12	Tumor-Specific Formation of Enzyme-Instructed Supramolecular Self-Assemblies as Cancer Theranostics. ACS Nano, 2015, 9, 9517-9527.	14.6	182
13	Identification and characterization of GmMYB118 responses to drought and salt stress. BMC Plant Biology, 2018, 18, 320.	3.6	173
14	Fluorescent Magnetic Nanocrystals by Sequential Addition of Reagents in a One-Pot Reaction: A Simple Preparation for Multifunctional Nanostructures. Journal of the American Chemical Society, 2007, 129, 11928-11935.	13.7	168
15	Molecular Nanofibers of Olsalazine Form Supramolecular Hydrogels for Reductive Release of an Anti-inflammatory Agent. Journal of the American Chemical Society, 2010, 132, 17707-17709.	13.7	165
16	A Redox Responsive, Fluorescent Supramolecular Metallohydrogel Consists of Nanofibers with Single-Molecule Width. Journal of the American Chemical Society, 2013, 135, 5008-5011.	13.7	151
17	BES/BZR Transcription Factor TaBZR2 Positively Regulates Drought Responses by Activation of <i>TaGST1</i> . Plant Physiology, 2019, 180, 605-620.	4.8	151
18	In ^{in vitro} and In ^{in vivo} Enzymatic Formation of Supramolecular Hydrogels Based on Self-Assembled Nanofibers of a β -Amino Acid Derivative. Small, 2007, 3, 558-562.	10.0	144

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19	Synergistic enzymatic and bioorthogonal reactions for selective prodrug activation in living systems. <i>Nature Communications</i> , 2018, 9, 5032.	12.8	141
20	Metal and Metal Oxide Nanoparticles to Enhance the Performance of Enzyme-Linked Immunosorbent Assay (ELISA). <i>ACS Applied Nano Materials</i> , 2020, 3, 1-21.	5.0	135
21	Supramolecular Nanofibers and Hydrogels of Nucleopeptides. <i>Angewandte Chemie - International Edition</i> , 2011, 50, 9365-9369.	13.8	133
22	Low-Power Ultrawideband Wireless Telemetry Transceiver for Medical Sensor Applications. <i>IEEE Transactions on Biomedical Engineering</i> , 2011, 58, 768-772.	4.2	130
23	Aromatic π -Aromatic Interactions Enhance Interfiber Contacts for Enzymatic Formation of a Spontaneously Aligned Supramolecular Hydrogel. <i>Journal of the American Chemical Society</i> , 2014, 136, 2970-2973.	13.7	126
24	Transferable self-welding silver nanowire network as high performance transparent flexible electrode. <i>Nanotechnology</i> , 2013, 24, 335202.	2.6	116
25	Multifunctional, Biocompatible Supramolecular Hydrogelators Consist Only of Nucleobase, Amino Acid, and Glycoside. <i>Journal of the American Chemical Society</i> , 2011, 133, 17513-17518.	13.7	115
26	Enzymatic hydrogelation to immobilize an enzyme for high activity and stability. <i>Soft Matter</i> , 2008, 4, 550.	2.7	106
27	Enzyme π -Instructed self π -assembly of peptide derivatives to form nanofibers and hydrogels. <i>Biopolymers</i> , 2010, 94, 19-31.	2.4	99
28	Enzymatic formation of a photoresponsive supramolecular hydrogel. <i>Chemical Communications</i> , 2010, 46, 5364.	4.1	99
29	High-activity Mo, S co-doped carbon quantum dot nanozyme-based cascade colorimetric biosensor for sensitive detection of cholesterol. <i>Journal of Materials Chemistry B</i> , 2019, 7, 7042-7051.	5.8	98
30	An XGBoost-based physical fitness evaluation model using advanced feature selection and Bayesian hyper-parameter optimization for wearable running monitoring. <i>Computer Networks</i> , 2019, 151, 166-180.	5.1	95
31	Exceptionally small supramolecular hydrogelators based on aromatic π -aromatic interactions. <i>Beilstein Journal of Organic Chemistry</i> , 2011, 7, 167-172.	2.2	94
32	Therapeutic applications of multifunctional nanozymes. <i>Nanoscale</i> , 2019, 11, 21046-21060.	5.6	89
33	Polyolefin Thermoplastics for Multiple Shape and Reversible Shape Memory. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 4882-4889.	8.0	86
34	Biological function of Foot-and-mouth disease virus non-structural proteins and non-coding elements. <i>Virology Journal</i> , 2016, 13, 107.	3.4	82
35	The Important Role of Lipid Raft-Mediated Attachment in the Infection of Cultured Cells by Coronavirus Infectious Bronchitis Virus Beaudette Strain. <i>PLoS ONE</i> , 2017, 12, e0170123.	2.5	82
36	Band-notched ultra-wideband ring-monopole antenna. <i>Microwave and Optical Technology Letters</i> , 2006, 48, 125-126.	1.4	76

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37	Introducing α -Amino Acid or Simple Glycoside into Small Peptides to Enable Supramolecular Hydrogelators to Resist Proteolysis. <i>Langmuir</i> , 2012, 28, 13512-13517.	3.5	76
38	Enzyme-Instructed Supramolecular Self-Assembly with Anticancer Activity. <i>Advanced Materials</i> , 2019, 31, e1804814.	21.0	75
39	The facile synthesis of MoO ₃ microsheets and their excellent gas-sensing performance toward triethylamine: high selectivity, excellent stability and superior repeatability. <i>New Journal of Chemistry</i> , 2018, 42, 15111-15120.	2.8	73
40	Novel Anisotropic Supramolecular Hydrogel with High Stability over a Wide pH Range. <i>Langmuir</i> , 2011, 27, 1510-1512.	3.5	72
41	Using the combined analysis of transcripts and metabolites to propose key genes for differential terpene accumulation across two regions. <i>BMC Plant Biology</i> , 2015, 15, 240.	3.6	72
42	Probing Nanoscale Self-Assembly of Nonfluorescent Small Molecules inside Live Mammalian Cells. <i>ACS Nano</i> , 2013, 7, 9055-9063.	14.6	69
43	Acoustic Microfluidic Separation Techniques and Bioapplications: A Review. <i>Micromachines</i> , 2020, 11, 921.	2.9	69
44	A Rectifier-Less AC-DC Interface Circuit for Ambient Energy Harvesting From Low-Voltage Piezoelectric Transducer Array. <i>IEEE Transactions on Power Electronics</i> , 2019, 34, 1446-1457.	7.9	66
45	Foot-and-mouth disease virus infection suppresses autophagy and NF- κ B antiviral responses via degradation of ATG5-ATG12 by 3Cpro. <i>Cell Death and Disease</i> , 2018, 8, e2561-e2561.	6.3	64
46	The conjugation of nonsteroidal anti-inflammatory drugs (NSAID) to small peptides for generating multifunctional supramolecular nanofibers/hydrogels. <i>Beilstein Journal of Organic Chemistry</i> , 2013, 9, 908-917.	2.2	63
47	Self-Delivery Multifunctional Anti-HIV Hydrogels for Sustained Release. <i>Advanced Healthcare Materials</i> , 2013, 2, 1586-1590.	7.6	60
48	Epoxy composites with high cross-plane thermal conductivity by constructing all-carbon multidimensional carbon fiber/graphite networks. <i>Composites Science and Technology</i> , 2021, 203, 108610.	7.8	60
49	Abundance and origin of fine particulate chloride in continental China. <i>Science of the Total Environment</i> , 2018, 624, 1041-1051.	8.0	58
50	Lattice Mismatch Dominant Yet Mechanically Tunable Thermal Conductivity in Bilayer Heterostructures. <i>ACS Nano</i> , 2016, 10, 5431-5439.	14.6	57
51	Calcium Ions to Cross-Link Supramolecular Nanofibers to Tune the Elasticity of Hydrogels over Orders of Magnitude. <i>Langmuir</i> , 2011, 27, 14425-14431.	3.5	56
52	Highly flexible and transferable supercapacitors with ordered three-dimensional MnO ₂ /Au/MnO ₂ nanospire arrays. <i>Journal of Materials Chemistry A</i> , 2015, 3, 10199-10204.	10.3	53
53	Modeling and analyses of energy performances of photovoltaic greenhouses with sun-tracking functionality. <i>Applied Energy</i> , 2019, 233-234, 424-442.	10.1	53
54	Nonorthogonal Interleave-Grid Multiple Access Scheme for Industrial Internet of Things in 5G Network. <i>IEEE Transactions on Industrial Informatics</i> , 2018, 14, 5436-5446.	11.3	52

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55	The DNA controllable peroxidase mimetic activity of MoS ₂ nanosheets for constructing a robust colorimetric biosensor. <i>Nanoscale</i> , 2020, 12, 19420-19428.	5.6	52
56	Decrease of VOC emissions from vehicular emissions in Hong Kong from 2003 to 2015: Results from a tunnel study. <i>Atmospheric Environment</i> , 2018, 177, 64-74.	4.1	51
57	Organic carbon burial is paced by a ~173-ka obliquity cycle in the middle to high latitudes. <i>Science Advances</i> , 2021, 7, .	10.3	51
58	Sensitive colorimetric sensor for point-of-care detection of acetylcholinesterase using cobalt oxyhydroxide nanoflakes. <i>Journal of Materials Chemistry B</i> , 2019, 7, 1230-1237.	5.8	50
59	Using supramolecular hydrogels to discover the interactions between proteins and molecular nanofibers of small molecules. <i>Chemical Communications</i> , 2012, 48, 8404.	4.1	49
60	Vitamin C induces a pluripotent state in mouse embryonic stem cells by modulating microRNA expression. <i>FEBS Journal</i> , 2015, 282, 685-699.	4.7	49
61	A compact wideband hybrid dielectric resonator antenna. <i>IEEE Microwave and Wireless Components Letters</i> , 2006, 16, 227-229.	3.2	48
62	A versatile supramolecular hydrogel of nitrilotriacetic acid (NTA) for binding metal ions and magnetorheological response. <i>Journal of Materials Chemistry</i> , 2011, 21, 6804.	6.7	47
63	Prion-like Nanofibrils of Small Molecules (PriSM) Selectively Inhibit Cancer Cells by Impeding Cytoskeleton Dynamics. <i>Journal of Biological Chemistry</i> , 2014, 289, 29208-29218.	3.4	46
64	Characterization of Free, Conjugated, and Bound Phenolic Acids in Seven Commonly Consumed Vegetables. <i>Molecules</i> , 2017, 22, 1878.	3.8	46
65	Differences in volatile profiles of Cabernet Sauvignon grapes grown in two distinct regions of China and their responses to weather conditions. <i>Plant Physiology and Biochemistry</i> , 2015, 89, 123-133.	5.8	45
66	A 50-Mb/s CMOS QPSK/O-QPSK Transmitter Employing Injection Locking for Direct Modulation. <i>IEEE Transactions on Microwave Theory and Techniques</i> , 2012, 60, 120-130.	4.6	44
67	Acoustic bubble-based bidirectional micropump. <i>Microfluidics and Nanofluidics</i> , 2020, 24, 1.	2.2	44
68	Supramolecular hydrogels formed by the conjugates of nucleobases, Arg-Gly-Asp (RGD) peptides, and glucosamine. <i>Soft Matter</i> , 2012, 8, 7402.	2.7	42
69	pH Switchable Nanoassembly for Imaging a Broad Range of Malignant Tumors. <i>ACS Nano</i> , 2017, 11, 12446-12452.	14.6	42
70	Astronomical forcing of Middle Permian terrestrial climate recorded in a large paleolake in northwestern China. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 2020, 550, 109735.	2.3	42
71	A Facile Synthetic Route to Functional Poly(phenylacetylene)s with Tunable Structures and Properties. <i>Macromolecules</i> , 2011, 44, 6724-6737.	4.8	41
72	Post-Self-Assembly Cross-Linking of Molecular Nanofibers for Oscillatory Hydrogels. <i>Langmuir</i> , 2012, 28, 3063-3066.	3.5	41

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73	Imaging Self-Assembly Dependent Spatial Distribution of Small Molecules in a Cellular Environment. <i>Langmuir</i> , 2013, 29, 15191-15200.	3.5	41
74	Vitamin C Enhances Nanog Expression Via Activation of the JAK/STAT Signaling Pathway. <i>Stem Cells</i> , 2014, 32, 166-176.	3.2	40
75	Supramolecular hydrogelators of N-terminated dipeptides selectively inhibit cancer cells. <i>Chemical Communications</i> , 2011, 47, 12625.	4.1	39
76	Evolution of phenolic compounds and sensory in bottled red wines and their co-development. <i>Food Chemistry</i> , 2015, 172, 565-574.	8.2	39
77	Mechanisms of Resistance to Pyroxsulam and ACCase Inhibitors in Japanese Foxtail (<i>Alopecurus</i>) Tj ETQq1 1 0.784314 rgBT /Overlo	1.5	39
78	Genetic diversity of cultivated and wild Ussurian Pear (<i>Pyrus ussuriensis</i> Maxim.) in China evaluated with M13-tailed SSR markers. <i>Genetic Resources and Crop Evolution</i> , 2012, 59, 9-17.	1.6	38
79	Redox supramolecular self-assemblies nonlinearly enhance fluorescence to identify cancer cells. <i>Chemical Communications</i> , 2018, 54, 5385-5388.	4.1	37
80	Trapping and control of bubbles in various microfluidic applications. <i>Lab on A Chip</i> , 2020, 20, 4512-4527.	6.0	37
81	Dual-band hybrid dielectric resonator antenna with CPW-fed slot. <i>Microwave and Optical Technology Letters</i> , 2006, 48, 170-172.	1.4	36
82	A Sub- μ W/Ch Analog Front-End for Δ Neural Recording With Spike-Driven Data Compression. <i>IEEE Transactions on Biomedical Circuits and Systems</i> , 2019, 13, 1-14.	4.0	36
83	β -Galactosidase-instructed formation of molecular nanofibers and a hydrogel. <i>Nanoscale</i> , 2011, 3, 2859.	5.6	34
84	Catalytic dephosphorylation of adenosine monophosphate (AMP) to form supramolecular nanofibers/hydrogels. <i>Chemical Communications</i> , 2012, 48, 2098.	4.1	34
85	A photovoltaic window with sun-tracking shading elements towards maximum power generation and non-glare daylighting. <i>Applied Energy</i> , 2018, 228, 1454-1472.	10.1	34
86	An Attention-Based Unsupervised Adversarial Model for Movie Review Spam Detection. <i>IEEE Transactions on Multimedia</i> , 2021, 23, 784-796.	7.2	34
87	Astaxanthin n-Octanoic Acid Diester Ameliorates Insulin Resistance and Modulates Gut Microbiota in High-Fat and High-Sucrose Diet-Fed Mice. <i>International Journal of Molecular Sciences</i> , 2020, 21, 2149.	4.1	33
88	Experimental and Computational Investigation of Layer-Dependent Thermal Conductivities and Interfacial Thermal Conductance of One- to Three-Layer WSe ₂ . <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 13063-13071.	8.0	33
89	Spontaneous Patterning during Frontal Polymerization. <i>ACS Central Science</i> , 2021, 7, 603-612.	11.3	33
90	The first supramolecular peptidic hydrogelator containing taurine. <i>Chemical Communications</i> , 2014, 50, 2772-2774.	4.1	32

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91	Physical Layer Security in 5G Based Large Scale Social Networks: Opportunities and Challenges. IEEE Access, 2018, 6, 26350-26357.	4.2	32
92	Acoustofluidic micromixer on lab-on-a-foil devices. Sensors and Actuators B: Chemical, 2019, 287, 312-319.	7.8	32
93	Supramolecular hydrogels based on the epitope of potassium ion channels. Chemical Communications, 2011, 47, 8772.	4.1	31
94	Vitamin C facilitates pluripotent stem cell maintenance by promoting pluripotency gene transcription. Biochimie, 2013, 95, 2107-2113.	2.6	31
95	A Monolithically Integrated Pressure/Oxygen/Temperature Sensing SoC for Multimodality Intracranial Neuromonitoring. IEEE Journal of Solid-State Circuits, 2014, 49, 2449-2461.	5.4	31
96	A 220-mV Power-on-Reset Based Self-Starter With 2-nW Quiescent Power for Thermoelectric Energy Harvesting Systems. IEEE Transactions on Circuits and Systems I: Regular Papers, 2017, 64, 217-226.	5.4	31
97	Determination of Harmonic Parameters with Temporal Variations: An Enhanced Harmonic Analysis Algorithm and Application to Internal Tidal Currents in the South China Sea. Journal of Atmospheric and Oceanic Technology, 2018, 35, 1375-1398.	1.3	31
98	Paleoenvironmental setting, mechanism and consequence of massive organic carbon burial in the Permian Junggar Basin, NW China. Journal of Asian Earth Sciences, 2020, 194, 104222.	2.3	31
99	A Self-Powered Power Conditioning IC for Piezoelectric Energy Harvesting From Short-Duration Vibrations. IEEE Transactions on Circuits and Systems II: Express Briefs, 2012, 59, 578-582.	3.0	30
100	Genetic diversity of Malus cultivars and wild relatives in the Chinese National Repository of Apple Germplasm Resources. Tree Genetics and Genomes, 2015, 11, 1.	1.6	30
101	Independent Mobility Achieved through a Wireless Brain-Machine Interface. PLoS ONE, 2016, 11, e0165773.	2.5	30
102	NDIR CO ₂ gas sensing using CMOS compatible MEMS ScAlN-based pyroelectric detector. Sensors and Actuators B: Chemical, 2021, 346, 130437.	7.8	30
103	Prevalence, Antimicrobial Resistance, Virulence Genes and Genetic Diversity of Salmonella Isolated from Retail Duck Meat in Southern China. Microorganisms, 2020, 8, 444.	3.6	28
104	Lattice Boltzmann simulations of liquid flows in microchannel with an improved slip boundary condition. Chemical Engineering Science, 2019, 202, 105-117.	3.8	27
105	Epoxy Composites with High Thermal Conductivity by Constructing Three-Dimensional Carbon Fiber/Carbon/Nickel Networks Using an Electroplating Method. ACS Omega, 2021, 6, 19238-19251.	3.5	27
106	A New Method to Obtain Uniform Decay Rates for Multidimensional Wave Equations with Nonlinear Acoustic Boundary Conditions. SIAM Journal on Control and Optimization, 2018, 56, 1303-1320.	2.1	26
107	Facile synthesis of nitrogen and sulfur co-doped carbon dots for multiple sensing capacities: alkaline fluorescence enhancement effect, temperature sensing, and selective detection of Fe ³⁺ ions. New Journal of Chemistry, 2018, 42, 13147-13156.	2.8	26
108	The Elongation Factor GmEF4 Is Involved in the Response to Drought and Salt Tolerance in Soybean. International Journal of Molecular Sciences, 2019, 20, 3001.	4.1	26

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109	<sc>-Rhamnose-containing supramolecular nanofibrils as potential immunosuppressive materials. <i>Organic and Biomolecular Chemistry</i> , 2014, 12, 6816.	2.8	25
110	Melatonin receptor depletion suppressed hCG-induced testosterone expression in mouse Leydig cells. <i>Cellular and Molecular Biology Letters</i> , 2019, 24, 21.	7.0	25
111	Dynamic Detection of Active Enzyme Instructed Supramolecular Assemblies <i>In Situ</i> via Super-Resolution Microscopy. <i>ACS Nano</i> , 2020, 14, 4882-4889.	14.6	25
112	Terrestrial climate in mid-latitude East Asia from the latest Cretaceous to the earliest Paleogene: A multiproxy record from the Songliao Basin in northeastern China. <i>Earth-Science Reviews</i> , 2021, 216, 103572.	9.1	25
113	An Energy Autonomous 400 MHz Active Wireless SAW Temperature Sensor Powered by Vibration Energy Harvesting. <i>IEEE Transactions on Circuits and Systems I: Regular Papers</i> , 2015, 62, 976-985.	5.4	24
114	Acoustofluidic stick-and-play micropump built on foil for single-cell trapping. <i>Lab on A Chip</i> , 2019, 19, 3045-3053.	6.0	24
115	Seismic Structure Beneath the Tibetan Plateau From Iterative Finite-Frequency Tomography Based on ChinArray: New Insights Into the Indo-Asian Collision. <i>Journal of Geophysical Research: Solid Earth</i> , 2020, 125, e2019JB018344.	3.4	24
116	Functional poly(phenylacetylene)s carrying azobenzene pendants: Polymer synthesis, photoisomerization behaviors, and liquid-crystalline property. <i>Polymer</i> , 2011, 52, 5290-5301.	3.8	23
117	Rain-Shelter Cultivation Modifies Carbon Allocation in the Polyphenolic and Volatile Metabolism of <i>Vitis vinifera</i> L. Chardonnay Grapes. <i>PLoS ONE</i> , 2016, 11, e0156117.	2.5	23
118	Three-dimensional nanotube electrode arrays for hierarchical tubular structured high-performance pseudocapacitors. <i>Nanoscale</i> , 2016, 8, 13280-13287.	5.6	23
119	Robust weakly supervised learning for COVID-19 recognition using multi-center CT images. <i>Applied Soft Computing Journal</i> , 2022, 116, 108291.	7.2	23
120	Effects of traditional chinese cooking methods on formation of heterocyclic aromatic amines in lamb patties. <i>Food Science and Biotechnology</i> , 2014, 23, 747-753.	2.6	22
121	Characterization of Transcriptional Expression and Regulation of Carotenoid Cleavage Dioxygenase 4b in Grapes. <i>Frontiers in Plant Science</i> , 2020, 11, 483.	3.6	22
122	30.7 A 60Mb/s wideband BCC transceiver with 150pJ/b RX and 31pJ/b TX for emerging wearable applications. , 2014, , .		21
123	Controllable Interface Junction, In-Plane Heterostructures Capable of Mechanically Mediating On-Demand Asymmetry of Thermal Transports. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 34506-34517.	8.0	21
124	Optimizing MEC Networks for Healthcare Applications in 5G Communications With the Authenticity of Users'™ Priorities. <i>IEEE Access</i> , 2019, 7, 88592-88600.	4.2	21
125	Monolayer graphene chemiresistive biosensor for rapid bacteria detection in a microchannel. <i>Sensors and Actuators Reports</i> , 2020, 2, 100004.	4.4	21
126	High-resolution temporal transcriptome sequencing unravels ERF and WRKY as the master players in the regulatory networks underlying sesame responses to waterlogging and recovery. <i>Genomics</i> , 2021, 113, 276-290.	2.9	21

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127	Solvent-controlled synthesis of full-color carbon dots and its application as a fluorescent food-tasting sensor for specific recognition of jujube species. <i>Sensors and Actuators B: Chemical</i> , 2021, 342, 129963.	7.8	21
128	Unusual thermal conductivity behavior of serpentine graphene nanoribbons under tensile strain. <i>Carbon</i> , 2016, 96, 513-521.	10.3	20
129	Root diversity in sesame (<i>Sesamum indicum</i> L.): insights into the morphological, anatomical and gene expression profiles. <i>Planta</i> , 2019, 250, 1461-1474.	3.2	20
130	A rapid novel visualized loop-mediated isothermal amplification method for Salmonella detection targeting at fimW gene. <i>Poultry Science</i> , 2020, 99, 3637-3642.	3.4	20
131	Sentinel-1 InSAR observations of co- and post-seismic deformation mechanisms of the 2016 Mw 5.9 Menyuan Earthquake, Northwestern China. <i>Advances in Space Research</i> , 2021, 68, 1301-1317.	2.6	20
132	Astronomical constraints on the development of alkaline lake during the Carboniferous-Permian Period in North Pangea. <i>Global and Planetary Change</i> , 2021, 207, 103681.	3.5	20
133	An Asymmetrical QPSK/OOK Transceiver SoC and 15:1 JPEG Encoder IC for Multifunction Wireless Capsule Endoscopy. <i>IEEE Journal of Solid-State Circuits</i> , 2013, 48, 2717-2733.	5.4	19
134	Foot-and-mouth disease virus-like particles as integrin-based drug delivery system achieve targeting anti-tumor efficacy. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , 2017, 13, 1061-1070.	3.3	19
135	Comprehensive analysis of the phospholipids and phytosterols in Schisandra chinensis oil by UPLC-Q/TOF- MSE. <i>Chemistry and Physics of Lipids</i> , 2019, 221, 15-23.	3.2	19
136	Liquid evaporation-driven folding of graphene sheets. <i>Applied Physics Letters</i> , 2016, 108, .	3.3	18
137	Different amine-functionalized poly(diphenylsubstituted acetylenes) from the same precursor. <i>Polymer Chemistry</i> , 2016, 7, 5312-5321.	3.9	18
138	Mechanism of Fenoxaprop- <i>i>P</i> -ethyl Resistance in Italian Ryegrass (<i>Lolium</i>) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 302 Id (perenn 1.5 18	1.5	18
139	van der Waals Graphene Kirigami Heterostructure for Strain-Controlled Thermal Transparency. <i>ACS Nano</i> , 2018, 12, 11254-11262.	14.6	18
140	Transcriptomic profiling of sesame during waterlogging and recovery. <i>Scientific Data</i> , 2019, 6, 204.	5.3	18
141	Preliminary analysis of crustal shear-wave splitting in the Sanjiang lateral collision zone of the southeast margin of the Tibetan Plateau and its tectonic implications. <i>Geophysical Prospecting</i> , 2019, 67, 2432-2449.	1.9	18
142	A novel motif in the 5â€™UTR of an orphan gene â€˜Big Root Biomassâ€™ modulates root biomass in sesame. <i>Plant Biotechnology Journal</i> , 2021, 19, 1065-1079.	8.3	18
143	A 3.54 nJ/bit-RX, 0.671 nJ/bit-TX Burst Mode Super-Regenerative UWB Transceiver<newline> in 0.18- μm CMOS. <i>IEEE Transactions on Circuits and Systems I: Regular Papers</i> , 2014, 61, 2473-2481.	5.4	17
144	Attenuated UV Radiation Alters Volatile Profile in Cabernet Sauvignon Grapes under Field Conditions. <i>Molecules</i> , 2015, 20, 16946-16969.	3.8	17

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145	Compressing liquid nanofoam systems: liquid infiltration or nanopore deformation?. <i>Nanoscale</i> , 2018, 10, 18444-18450.	5.6	17
146	Geometrical and Chemical-Dependent Hydrolysis Mechanisms of Silicon Nanomembranes for Biodegradable Electronics. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 18013-18023.	8.0	17
147	Instance Segmentation and Classification Method for Plant Leaf Images Based on ISC-MRCNN and APS-DCCNN. <i>IEEE Access</i> , 2020, 8, 151555-151573.	4.2	17
148	Metal ions modulation of the self-assembly of short peptide conjugated nonsteroidal anti-inflammatory drugs (NSAIDs). <i>Nanoscale</i> , 2020, 12, 7960-7968.	5.6	17
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