

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	Multiparty Dual Learning. IEEE Transactions on Cybernetics, 2023, 53, 2955-2968.	9.5	5
2	Deep Learning Based Cooperative Resource Allocation in 5G Wireless Networks. Mobile Networks and Applications, 2022, 27, 1131-1138.	3.3	11
3	Tissue distribution of phthalates in celery under different cultivation patterns and associated dietary exposure. Environmental Pollution, 2022, 292, 118391.	7.5	6
4	Exploring Temporal Information for Dynamic Network Embedding. IEEE Transactions on Knowledge and Data Engineering, 2022, 34, 3754-3764.	5.7	3
5	A low-velocity layer atop the mantle transition zone beneath the western Central Asian Orogenic Belt: Upper mantle melting induced by ancient slab subduction. Earth and Planetary Science Letters, 2022, 578, 117287.	4.4	10
6	Bioorthogonal Disassembly of Tetrazine Bearing Supramolecular Assemblies Inside Living Cells. Small, 2022, 18, e2104772.	10.0	3
7	Anomalous solid-like necking of confined water outflow in hydrophobic nanopores. Matter, 2022, 5, 266-280.	10.0	10
8	Anisotropic frontal polymerization in a model resin-copper composite. Chaos, 2022, 32, 013109.	2.5	6
9	Robust weakly supervised learning for COVID-19 recognition using multi-center CT images. Applied Soft Computing Journal, 2022, 116, 108291.	7.2	23
10	Defending local poisoning attacks in multi-party learning via immune system. Knowledge-Based Systems, 2022, 238, 107850.	7.1	5
11	Advances in the deep tectonics and seismic anisotropy of the Lijiang-Xiaojinhe fault zone in the Sichuan-Yunnan Block, Southwestern China. Earthquake Research Advances, 2022, 2, 100116.	2.2	3
12	A Partial Molten Low-Velocity Layer Atop the Mantle Transition Zone Beneath the Western Junggar: Implication for the Formation of Subduction-Induced Subslab Mantle Plume. Geochemistry, Geophysics, Geosystems, 2022, 23, .	2.5	3
13	Velocity Anomalies Around the Mantle Transition Zone Beneath the Qiangtang Terrane, Central Tibetan Plateau From Triplicated P Waveforms. Earth and Space Science, 2022, 9, .	2.6	6
14	Ameliorating effects of water bamboo shoot (Zizania latifolia) on acute alcoholism in a mice model and its chemical composition. Food Chemistry, 2022, 378, 132122.	8.2	16
15	Estimation of Evapotranspiration in the Yellow River Basin from 2002 to 2020 Based on GRACE and GRACE Follow-On Observations. Remote Sensing, 2022, 14, 730.	4.0	8
16	The improvement effect of astaxanthin-loaded emulsions on obesity is better than that of astaxanthin in the oil phase. Food and Function, 2022, 13, 3720-3731.	4.6	1
17	Increased Drug Resistance and Biofilm Formation Ability in ST34-Type Salmonella Typhimurium Exhibiting Multicellular Behavior in China. Frontiers in Microbiology, 2022, 13, 876500.	3.5	3
18	Projection Method for Droplet Dynamics on Groove-Textured Surface with Merging and Splitting. SIAM Journal of Scientific Computing, 2022, 44, B310-B338.	2.8	3

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19	Expression Characteristics in Roots, Phloem, Leaves, Flowers and Fruits of Apple circRNA. <i>Genes</i> , 2022, 13, 712.	2.4	5
20	Parasitic-Aware Modeling and Neural Network Training Scheme for Energy-Efficient Processing-in-Memory With Resistive Crossbar Array. <i>IEEE Journal on Emerging and Selected Topics in Circuits and Systems</i> , 2022, 12, 436-444.	3.6	6
21	Electrically Suppressed Outflow of Confined Liquid in Hydrophobic Nanopores. <i>ACS Nano</i> , 2022, 16, 9420-9427.	14.6	3
22	Frontal Polymerization of Thin Layers on a Thermally Insulating Substrate. <i>ACS Applied Polymer Materials</i> , 2022, 4, 4919-4927.	4.4	6
23	Melatonin Receptors: A Key Mediator in Animal Reproduction. <i>Veterinary Sciences</i> , 2022, 9, 309.	1.7	12
24	An Attention-Based Unsupervised Adversarial Model for Movie Review Spam Detection. <i>IEEE Transactions on Multimedia</i> , 2021, 23, 784-796.	7.2	34
25	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
26	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
27	Pathogenic analyses of fungus strains isolated from medicinal <i>Fritillaria przewalskii</i> Maxim. bulb rot. <i>Journal of Phytopathology</i> , 2021, 169, 1-14.	1.0	2
28	Study on High Temperature Oxidation Characteristics of NbTi Matrix Composites Reinforced with ZrB ₂ Particles. <i>Materials at High Temperatures</i> , 2021, 38, 73-81.	1.0	2
29	Principled Ultrasound Data Augmentation for Classification of Standard Planes. <i>Lecture Notes in Computer Science</i> , 2021, , 729-741.	1.3	7
30	Revisit of the Peierls-Nabarro model for edge dislocations in Hilbert space. <i>Discrete and Continuous Dynamical Systems - Series B</i> , 2021, 26, 3177.	0.9	4
31	Gag Protein Oriented Supramolecular Nets as Potential HIV Traps. <i>Bioconjugate Chemistry</i> , 2021, 32, 106-110.	3.6	0
32	Improved simplified and highly stable lattice Boltzmann methods for incompressible flows. <i>International Journal of Modern Physics C</i> , 2021, 32, 2150077.	1.7	1
33	A novel motif in the 5'UTR of an orphan gene <i>Big Root Biomass</i> modulates root biomass in sesame. <i>Plant Biotechnology Journal</i> , 2021, 19, 1065-1079.	8.3	18
34	Characterization of free, conjugated, and bound phenolics in early and late ripening kiwifruit cultivars. <i>Journal of the Science of Food and Agriculture</i> , 2021, 101, 4743-4750.	3.5	8
35	QTL-Seq and Transcriptome Analysis Disclose Major QTL and Candidate Genes Controlling Leaf Size in Sesame (<i>Sesamum indicum</i> L.). <i>Frontiers in Plant Science</i> , 2021, 12, 580846.	3.6	14
36	Pathological environment directed in situ peptidic supramolecular assemblies for nanomedicines. <i>Biomedical Materials (Bristol)</i> , 2021, 16, 022011.	3.3	6

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37	28.5 A 0.6V/0.9V 26.6-to-119.3 μ W $\hat{\Gamma}$ -Based Bio-Impedance Readout IC with 101.9dB SNR and \leq 0.1Hz 1/f Corner. , 2021, , .		2
38	Experimental and Computational Investigation of Layer-Dependent Thermal Conductivities and Interfacial Thermal Conductance of One- to Three-Layer WSe ₂ . ACS Applied Materials & Interfaces, 2021, 13, 13063-13071.	8.0	33
39	Sentinel-1 InSAR observations of co- and post-seismic deformation mechanisms of the 2016 Mw 5.9 Menyuan Earthquake, Northwestern China. Advances in Space Research, 2021, 68, 1301-1317.	2.6	20
40	Probing Molecular Assembly of Small Organic Molecules during Meniscus-Guided Coating Using Experimental and Molecular Dynamics Approaches. Journal of Physical Chemistry C, 2021, 125, 6269-6277.	3.1	4
41	Spontaneous Patterning during Frontal Polymerization. ACS Central Science, 2021, 7, 603-612.	11.3	33
42	A survey on federated learning. Knowledge-Based Systems, 2021, 216, 106775.	7.1	417
43	Regularity and monotonicity for solutions to a continuum model of epitaxial growth with nonlocal elastic effects. Advances in Calculus of Variations, 2021, .	1.2	0
44	Existence and uniqueness of bounded stable solutions to the Peierls–Nabarro model for curved dislocations. Calculus of Variations and Partial Differential Equations, 2021, 60, 1.	1.7	6
45	Spatial Variations of Upper Crustal Anisotropy Along the San Jacinto Fault Zone in Southern California: Constraints From Shear Wave Splitting Analysis. Journal of Geophysical Research: Solid Earth, 2021, 126, e2020JB020876.	3.4	5
46	Gradient flow formulation and second order numerical method for motion by mean curvature and contact line dynamics on rough surface. Interfaces and Free Boundaries, 2021, 23, 103-158.	0.8	3
47	Redox-Mediated Reversible Supramolecular Assemblies Driven by Switch and Interplay of Peptide Secondary Structures. Biomacromolecules, 2021, 22, 2563-2572.	5.4	9
48	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. Earth-Science Reviews, 2021, 216, 103572.	9.1	25
49	CO ₂ Gas Sensing By Cmos-Mems Scaln-Based Pyroelectric Detector Based on MID-IR Absorption. , 2021, , .		3
50	Dynamically-biased Fixed-point LSTM for Time Series Processing in AIoT Edge Device. , 2021, , .		1
51	Influence of crustal rheology and heterogeneity on tectonic stress accumulation characteristics of North China constrained by GNSS observations. Journal of Asian Earth Sciences, 2021, 214, 104780.	2.3	3
52	Lattice Boltzmann investigation of the influence of slip distributions on the flow past a diamond cylinder at low-Reynolds-number. Physics of Fluids, 2021, 33, 073611.	4.0	1
53	Organic carbon burial is paced by a ~173-ka obliquity cycle in the middle to high latitudes. Science Advances, 2021, 7, .	10.3	51
54	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

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55	Manipulating Frontal Polymerization and Instabilities with Phase-Changing Microparticles. <i>Journal of Physical Chemistry B</i> , 2021, 125, 7537-7545.	2.6	11
56	Rapid frontal polymerization achieved with thermally conductive metal strips. <i>Chaos</i> , 2021, 31, 073113.	2.5	11
57	Enzyme-instructed supramolecular assemblies promote intracellular boron accumulation for boron neutron capture therapy. <i>Nanotechnology</i> , 2021, 32, 435602.	2.6	2
58	Controlling Factors for Organic Carbon Burial in the Late Cretaceous Nenjiang Formation of the Songliao Basin, NE China. <i>Energies</i> , 2021, 14, 4783.	3.1	1
59	Controllable Frontal Polymerization and Spontaneous Patterning Enabled by Phase-Changing Particles. <i>Small</i> , 2021, 17, e2102217.	10.0	13
60	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
61	Photofluorochromic water-dispersible nanoparticles for single-photon-absorption upconversion cell imaging. <i>Nanotechnology</i> , 2021, 32, 475606.	2.6	4
62	Lattice Boltzmann study of low-Reynolds-number flow past square cylinders with varying slip distributions. <i>Ocean Engineering</i> , 2021, 236, 109425.	4.3	5
63	Enzymatic non-covalent synthesis of supramolecular assemblies as a general platform for bioorthogonal prodrugs activation to combat drug resistance. <i>Biomaterials</i> , 2021, 277, 121119.	11.4	11
64	Development of a coupled simplified lattice Boltzmann method for thermal flows. <i>Computers and Fluids</i> , 2021, 229, 105042.	2.5	11
65	A 310-nA Quiescent Current 3-fs-FoM Fully Integrated Capacitorless Time-Domain LDO With Event-Driven Charge Pump and Feedforward Transient Enhancement. <i>IEEE Journal of Solid-State Circuits</i> , 2021, 56, 2924-2933.	5.4	12
66	NDIR CO ₂ gas sensing using CMOS compatible MEMS ScAlN-based pyroelectric detector. <i>Sensors and Actuators B: Chemical</i> , 2021, 346, 130437.	7.8	30
67	Epoxy composite with high thermal conductivity by constructing 3D-oriented carbon fiber and BN network structure. <i>RSC Advances</i> , 2021, 11, 25422-25430.	3.6	9
68	Study of ultrasound thrombolysis using acoustic bubbles in a microfluidic device. <i>Lab on A Chip</i> , 2021, 21, 3707-3714.	6.0	13
69	Consistent Forcing Scheme in the Simplified Lattice Boltzmann Method for Incompressible Flows. <i>Communications in Computational Physics</i> , 2021, 30, 1427-1452.	1.7	1
70	Mineralogical Evolution of the Cretaceous Strata in the Songliao Basin, Northeastern China: Implications for Thermal History and Paleoenvironmental Evolution. <i>Minerals (Basel, Switzerland)</i> , 2021, 11, 1101.	2.0	3
71	Transferable, Deep-Learning-Driven Fast Prediction and Design of Thermal Transport in Mechanically Stretched Graphene Flakes. <i>ACS Nano</i> , 2021, 15, 16597-16606.	14.6	15
72	A robust estimation algorithm for the increasing breakdown point based on quasi-accurate detection and its application to parameter estimation of the GNSS crustal deformation model. <i>Journal of Geodesy</i> , 2021, 95, 1.	3.6	6

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73	Surfactant-dependent contact line dynamics and droplet spreading on textured substrates: Derivations and computations. <i>Physica D: Nonlinear Phenomena</i> , 2021, 428, 133067.	2.8	3
74	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
75	Existence and rigidity of the vectorial Peierls-Nabarro model for dislocations in high dimensions. <i>Nonlinearity</i> , 2021, 34, 7778-7828.	1.4	6
76	Polyethylene Glycol-Calcium Chloride Phase Change Materials with High Thermal Conductivity and Excellent Shape Stability by Introducing Three-Dimensional Carbon/Carbon Fiber Felt. <i>ACS Omega</i> , 2021, 6, 33033-33045.	3.5	7
77	Early Cretaceous solar cycles recorded in lacustrine laminations in North China. <i>Numerische Mathematik</i> , 2021, 321, 1285-1307.	1.4	5
78	Analysis of a fourth-order exponential PDE arising from a crystal surface jump process with Metropolis-type transition rates. <i>Pure and Applied Analysis</i> , 2021, 3, 595-612.	1.1	3
79	Isothermal kinase-triggered supramolecular assemblies as drug sensitizers. <i>Chemical Science</i> , 2020, 11, 1132-1139.	7.4	12
80	Paleoenvironmental setting, mechanism and consequence of massive organic carbon burial in the Permian Junggar Basin, NW China. <i>Journal of Asian Earth Sciences</i> , 2020, 194, 104222.	2.3	31
81	Community-oriented attributed network embedding. <i>Knowledge-Based Systems</i> , 2020, 193, 105418.	7.1	13
82	An Integrated Multi-Channel Biopotential Recording Analog Front-End IC With Area-Efficient Driven-Right-Leg Circuit. <i>IEEE Transactions on Biomedical Circuits and Systems</i> , 2020, 14, 297-304.	4.0	13
83	A 3-MHz 17.3- μ W 0.015% Period Jitter Relaxation Oscillator With Energy Efficient Swing Boosting. <i>IEEE Transactions on Circuits and Systems II: Express Briefs</i> , 2020, 67, 1745-1749.	3.0	7
84	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
85	Spontaneous outflow efficiency of confined liquid in hydrophobic nanopores. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 25246-25253.	7.1	16
86	Acoustic Microfluidic Separation Techniques and Bioapplications: A Review. <i>Micromachines</i> , 2020, 11, 921.	2.9	69
87	Antimicrobial resistance and molecular characterization of <i>Salmonella enterica</i> serovar Corvallis isolated from human patients and animal source foods in China. <i>International Journal of Food Microbiology</i> , 2020, 335, 108859.	4.7	11
88	Trapping and control of bubbles in various microfluidic applications. <i>Lab on A Chip</i> , 2020, 20, 4512-4527.	6.0	37
89	Development and evaluation of a novel oleogel system based on starch-water-wax-oil. <i>Food and Function</i> , 2020, 11, 7727-7735.	4.6	12
90	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

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91	Co-Seismic and Post-Seismic Temporal and Spatial Gravity Changes of the 2010 Mw 8.8 Maule Chile Earthquake Observed by GRACE and GRACE Follow-on. <i>Remote Sensing</i> , 2020, 12, 2768.	4.0	6
92	Enzyme-Regulated Peptide-Liquid Metal Hybrid Hydrogels as Cell Amber for Single-Cell Manipulation. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 45807-45813.	8.0	3
93	Absorbability of Astaxanthin Was Much Lower in Obese Mice Than in Normal Mice. <i>Journal of Agricultural and Food Chemistry</i> , 2020, 68, 11161-11169.	5.2	10
94	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
95	Plasmid-Encoded bla _{NDM-5} Gene That Confers High-Level Carbapenem Resistance in Salmonella Typhimurium of Pork Origin. <i>Infection and Drug Resistance</i> , 2020, Volume 13, 1485-1490.	2.7	15
96	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
97	Performance Analysis of Convolutional Neural Network Using Multi-level Memristor Crossbar for Edge Computing. , 2020, , .		7
98	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
99	Preparation and Mechanical Properties of Carbon Fiber Reinforced Multiphase Epoxy Syntactic Foam (CF-R-Epoxy/HGMS/CFR-HEMS Foam). <i>ACS Omega</i> , 2020, 5, 14133-14146.	3.5	9
100	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
101	A TDM-Based 16-Channel AFE ASIC With Enhanced System-Level CMRR for Wearable EEG Recording With Dry Electrodes. <i>IEEE Transactions on Biomedical Circuits and Systems</i> , 2020, 14, 516-524.	4.0	14
102	Reporter gene knock-in into Marc-145 cells using CRISPR/Cas9-mediated homologous recombination. <i>Biotechnology Letters</i> , 2020, 42, 1317-1325.	2.2	1
103	Prevalence, Antimicrobial Resistance, Virulence Genes and Genetic Diversity of Salmonella Isolated from Retail Duck Meat in Southern China. <i>Microorganisms</i> , 2020, 8, 444.	3.6	28
104	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
105	Increasing the Assembly Efficacy of Peptidic β -Sheets for a Highly-Sensitive HIV Detection. <i>Analytical Chemistry</i> , 2020, 92, 11089-11094.	6.5	6
106	Monolayer graphene chemiresistive biosensor for rapid bacteria detection in a microchannel. <i>Sensors and Actuators Reports</i> , 2020, 2, 100004.	4.4	21
107	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
108	Acoustic bubble-based bidirectional micropump. <i>Microfluidics and Nanofluidics</i> , 2020, 24, 1.	2.2	44

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109	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
110	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
111	Analysis of a continuum theory for broken bond crystal surface models with evaporation and deposition effects. <i>Nonlinearity</i> , 2020, 33, 3816-3845.	1.4	7
112	Long time behavior of dynamic solution to Peierls's Nabarro dislocation model. <i>Methods and Applications of Analysis</i> , 2020, 27, 161-198.	0.5	3
113	A note on parametric Bayesian inference via gradient flows. <i>Annals of Mathematical Sciences and Applications</i> , 2020, 5, 261-282.	0.4	6
114	Voice Keyword Recognition Based on Spiking Convolutional Neural Network for Human-Machine Interface. , 2020, , .		1
115	Design of Pyroelectric Infrared Detector And Micropower CMOS Integrated Circuitry Towards a Monolithic Gas Sensor. , 2020, , .		0
116	A 8-channel Rectifier-Free SECE Circuit with 15nA/ch Quiescent Current and 580% Efficiency Improvement for Ambient Vibration Energy Harvesting with Broadband MEMS PET Array. , 2020, , .		0
117	A 0.5-to-1.2V, 310nA Quiescent Current, 3fs-FoM Time-Domain Output-Capacitorless LDO with Propagation-Delay-Triggered Edge Detector. , 2020, , .		4
118	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
119	Present crustal deformation and stress-strain fields of North China revealed from GPS observations and finite element modelling. <i>Journal of Asian Earth Sciences</i> , 2019, 183, 103959.	2.3	2
120	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
121	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
122	Chemomechanics of transfer printing of thin films in a liquid environment. <i>International Journal of Solids and Structures</i> , 2019, 180-181, 30-44.	2.7	12
123	A 0.034% Charge-Imbalanced Neural Stimulation Front-End (SFE) IC With on-Chip Voltage Compliance Monitoring Circuit and Analysis on Resting Potential by Utilizing the SFE IC. <i>IEEE Transactions on Circuits and Systems I: Regular Papers</i> , 2019, 66, 3797-3810.	5.4	7
124	The Elongation Factor GmEF4 Is Involved in the Response to Drought and Salt Tolerance in Soybean. <i>International Journal of Molecular Sciences</i> , 2019, 20, 3001.	4.1	26
125	Transcriptomic profiling of sesame during waterlogging and recovery. <i>Scientific Data</i> , 2019, 6, 204.	5.3	18
126	Real-Valued Orthogonal Sequences for Iterative Channel Estimation in MIMO-FBMC Systems. <i>IEEE Access</i> , 2019, 7, 68742-68751.	4.2	7

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127	Lattice Boltzmann study on drag reduction of a bluff body by slip boundary. <i>Journal of Physics: Conference Series</i> , 2019, 1300, 012036.	0.4	1
128	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
129	Characterization of lignans in <i>Schisandra chinensis</i> oil with a single analysis process by UPLC-Q/TOF-MS. <i>Chemistry and Physics of Lipids</i> , 2019, 218, 158-167.	3.2	16
130	Robust Weighted Fusion Kalman Estimators for Networked Multisensor Mixed Uncertain Systems With Random One-Step Sensor Delays, Uncertain-Variance Multiplicative, and Additive White Noises. <i>IEEE Sensors Journal</i> , 2019, 19, 10935-10946.	4.7	14
131	Integrated Temperature Sensor with CMOS Relaxation Oscillator Based Sensor Interface for Biomedical Sensing. , 2019, , .		0
132	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
133	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
134	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
135	Global strong solution with BV derivatives to singular solid-on-solid model with exponential nonlinearity. <i>Journal of Differential Equations</i> , 2019, 267, 4429-4447.	2.2	8
136	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
137	Confined Water-Assistant Thermal Response of a Graphene Oxide Heterostructure and Its Enabled Mechanical Sensors for Load Sensing and Mode Differentiation. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 19596-19604.	8.0	2
138	A 1.6MHz Swing-Boosted Relaxation Oscillator with $\hat{\Delta}\pm 0.15\%/V$ 23.4ppm/ $\hat{\Delta}^{\circ}C$ Frequency Inaccuracy using Voltage-to-Delay Feedback. , 2019, , .		2
139	Source Parameter Estimation of the 2009 Ms6.0 Yao's™an Earthquake, Southern China, Using InSAR Observations. <i>Remote Sensing</i> , 2019, 11, 462.	4.0	8
140	BES/BZR Transcription Factor TaBZR2 Positively Regulates Drought Responses by Activation of <i>TaGST1</i> . <i>Plant Physiology</i> , 2019, 180, 605-620.	4.8	151
141	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
142	Lattice Boltzmann simulations of liquid flows in microchannel with an improved slip boundary condition. <i>Chemical Engineering Science</i> , 2019, 202, 105-117.	3.8	27
143	Comprehensive analysis of the phospholipids and phytosterols in <i>Schisandra chinensis</i> oil by UPLC-Q/TOF- MSE. <i>Chemistry and Physics of Lipids</i> , 2019, 221, 15-23.	3.2	19
144	An ingestible self-orienting system for oral delivery of macromolecules. <i>Science</i> , 2019, 363, 611-615.	12.6	287

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145	Acoustofluidic micromixer on lab-on-a-foil devices. <i>Sensors and Actuators B: Chemical</i> , 2019, 287, 312-319.	7.8	32
146	A 13.56 MHz Wireless Power Transfer System with Bidirectional Data Link and Closed-loop Power Control for Implantable Neuromuscular Stimulator. , 2019, , .		3
147	Recent Design Techniques for Improving Sensing Accuracy of Oscillator-based Sensor Interfaces in Standard CMOS Process. , 2019, , .		0
148	Gradient flow approach to an exponential thin film equation: global existence and latent singularity. <i>ESAIM - Control, Optimisation and Calculus of Variations</i> , 2019, 25, 49.	1.3	12
149	A 100-mVpp Input Range 10-kHz BW VCO-based CT-DSM Neuro-Recording IC in 40-nm CMOS. , 2019, , .		1
150	A BJT-Based Temperature Sensor in 40-nm CMOS With $\pm 0.8^\circ\text{C}$ (3 σ) Untrimmed Inaccuracy. , 2019, , .		1
151	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
152	Parallel Bud Mutation Sequencing Reveals that Fruit Sugar and Acid Metabolism Potentially Influence Stress in <i>Malus</i> . <i>International Journal of Molecular Sciences</i> , 2019, 20, 5988.	4.1	11
153	Adaptive Least-Squares Collocation Algorithm Considering Distance Scale Factor for GPS Crustal Velocity Field Fitting and Estimation. <i>Remote Sensing</i> , 2019, 11, 2692.	4.0	3
154	Therapeutic applications of multifunctional nanozymes. <i>Nanoscale</i> , 2019, 11, 21046-21060.	5.6	89
155	Production of functional double-stranded RNA using a prokaryotic expression system in <i>Escherichia coli</i> . <i>MicrobiologyOpen</i> , 2019, 8, e787.	3.0	6
156	A Sub- μW /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
157	Rapid and direct determination of fatty acids and glycerides profiles in <i>Schisandra chinensis</i> oil by using UPLC-Q/TOF-MSE. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2019, 1104, 157-167.	2.3	10
158	Enzyme-Constructed Supramolecular Self-Assembly with Anticancer Activity. <i>Advanced Materials</i> , 2019, 31, e1804814.	21.0	75
159	Use of ultra-performance liquid chromatography-tandem mass spectrometry on sweet cherries to determine phenolic compounds in peel and flesh. <i>Journal of the Science of Food and Agriculture</i> , 2019, 99, 3555-3562.	3.5	6
160	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
161	A Multi-Task Representation Learning Architecture for Enhanced Graph Classification. <i>Frontiers in Neuroscience</i> , 2019, 13, 1395.	2.8	12
162	Rapid Emergence of Florfenicol-Resistant Invasive Non-Typhoidal Salmonella in China: A Potential Threat to Public Health. <i>American Journal of Tropical Medicine and Hygiene</i> , 2019, 101, 1282-1285.	1.4	6

#	ARTICLE	IF	CITATIONS
163	On the Generalized Thermal Conductance Characterizations of Mixed One-Dimensional–Two-Dimensional van der Waals Heterostructures and Their Implication for Pressure Sensors. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 14221-14229.	8.0	16
164	A New Method to Obtain Uniform Decay Rates for Multidimensional Wave Equations with Nonlinear Acoustic Boundary Conditions. <i>SIAM Journal on Control and Optimization</i> , 2018, 56, 1303-1320.	2.1	26
165	Practical Implementation of Multi-User Transform Domain Communication System for Control Channels in Cloud-Based Cognitive Radio Networks. <i>IEEE Access</i> , 2018, 6, 17010-17021.	4.2	5
166	Determination of the packing model of a supramolecular nanofiber <i>via</i> mass-per-length measurement and <i>de novo</i> simulation. <i>Nanoscale</i> , 2018, 10, 3990-3996.	5.6	2
167	Foot-and-mouth disease virus infection stimulates innate immune signaling in the mouse macrophage RAW 264.7 cells. <i>Canadian Journal of Microbiology</i> , 2018, 64, 155-166.	1.7	5
168	Abundance and origin of fine particulate chloride in continental China. <i>Science of the Total Environment</i> , 2018, 624, 1041-1051.	8.0	58
169	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
170	Seasonal variations of C1-C4 alkyl nitrates at a coastal site in Hong Kong: Influence of photochemical formation and oceanic emissions. <i>Chemosphere</i> , 2018, 194, 275-284.	8.2	11
171	TDCS-IDMA System for Cognitive Radio Networks With Cloud. <i>IEEE Access</i> , 2018, 6, 20520-20530.	4.2	5
172	Physical Layer Security in 5G Based Large Scale Social Networks: Opportunities and Challenges. <i>IEEE Access</i> , 2018, 6, 26350-26357.	4.2	32
173	Redox supramolecular self-assemblies nonlinearly enhance fluorescence to identify cancer cells. <i>Chemical Communications</i> , 2018, 54, 5385-5388.	4.1	37
174	Maximal monotone operator theory and its applications to thin film equation in epitaxial growth on vicinal surface. <i>Calculus of Variations and Partial Differential Equations</i> , 2018, 57, 1.	1.7	8
175	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
176	Variation and correlation analysis of polyphenolic compounds in <i>Malus</i> germplasm. <i>Journal of Horticultural Science and Biotechnology</i> , 2018, 93, 26-36.	1.9	1
177	van der Waals Graphene Kirigami Heterostructure for Strain-Controlled Thermal Transparency. <i>ACS Nano</i> , 2018, 12, 11254-11262.	14.6	18
178	A 6.78-200 MHz Offset-Compensated Active Rectifier with Dynamic Logic Comparator for mm-size Wirelessly Powered Implants. , 2018, , .		2
179	Synergistic enzymatic and bioorthogonal reactions for selective prodrug activation in living systems. <i>Nature Communications</i> , 2018, 9, 5032.	12.8	141
180	Identification and characterization of GmMYB118 responses to drought and salt stress. <i>BMC Plant Biology</i> , 2018, 18, 320.	3.6	173

#	ARTICLE	IF	CITATIONS
181	The κ^2 Jahn-Teller factor Dar1 restricts the proliferation of <i>Drosophila</i> intestinal stem cells. <i>FEBS Journal</i> , 2018, 285, 3945-3958.	4.7	8
182	A 16.6 μ W 3.12 MHz RC Relaxation Oscillator with 160.3 dBc/Hz FOM. , 2018, , .		3
183	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. <i>New Journal of Chemistry</i> , 2018, 42, 13147-13156.	2.8	26
184	Compressing liquid nanofoam systems: liquid infiltration or nanopore deformation?. <i>Nanoscale</i> , 2018, 10, 18444-18450.	5.6	17
185	A Voltage Doubler used in PMOS Rectifier for Wireless Power Transferring. , 2018, , .		0
186	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
187	Hydrogen sulfide induced supramolecular self-assembly in living cells. <i>Chemical Communications</i> , 2018, 54, 9051-9054.	4.1	16
188	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
189	Genetic dissection and fine mapping of a novel dt gene associated with determinate growth habit in sesame. <i>BMC Genetics</i> , 2018, 19, 38.	2.7	16
190	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
191	A Rectifier-less Energy Harvesting Interface Circuit for Low-Voltage Piezoelectric Transducers. , 2018, , .		5
192	Determination of Harmonic Parameters with Temporal Variations: An Enhanced Harmonic Analysis Algorithm and Application to Internal Tidal Currents in the South China Sea. <i>Journal of Atmospheric and Oceanic Technology</i> , 2018, 35, 1375-1398.	1.3	31
193	A vicinal surface model for epitaxial growth with logarithmic free energy. <i>Discrete and Continuous Dynamical Systems - Series B</i> , 2018, 23, 4433-4453.	0.9	0
194	Polyolefin Thermoplastics for Multiple Shape and Reversible Shape Memory. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 4882-4889.	8.0	86
195	Continuum Limit of a Mesoscopic Model with Elasticity of Step Motion on Vicinal Surfaces. <i>Journal of Nonlinear Science</i> , 2017, 27, 873-926.	2.1	10
196	Weak Solution of a Continuum Model For Vicinal Surface in The Attachment-Detachment-Limited Regime. <i>SIAM Journal on Mathematical Analysis</i> , 2017, 49, 1705-1731.	1.9	12
197	Tailoring Auxetic and Contractile Graphene to Achieve Interface Structures with Fully Mechanically Controllable Thermal Transports. <i>Advanced Materials Interfaces</i> , 2017, 4, 1700278.	3.7	12
198	Thermal Transport: Tailoring Auxetic and Contractile Graphene to Achieve Interface Structures with Fully Mechanically Controllable Thermal Transports (Adv. Mater. Interfaces 11/2017). <i>Advanced Materials Interfaces</i> , 2017, 4, .	3.7	0

#	ARTICLE	IF	CITATIONS
199	Global existence of solutions to a tear film model with locally elevated evaporation rates. <i>Physica D: Nonlinear Phenomena</i> , 2017, 350, 13-25.	2.8	3
200	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
201	A 220-mV Power-on-Reset Based Self-Starter With 2-nW Quiescent Power for Thermoelectric Energy Harvesting Systems. <i>IEEE Transactions on Circuits and Systems I: Regular Papers</i> , 2017, 64, 217-226.	5.4	31
202	Accelerating ion diffusion with unique three-dimensionally interconnected nanopores for self-membrane high-performance pseudocapacitors. <i>Nanoscale</i> , 2017, 9, 18311-18317.	5.6	12
203	Mechanism of Fenoxaprop- <i>P</i> -ethyl Resistance in Italian Ryegrass (<i>Lolium</i>) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 582 18	1.5	18
204	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
205	A TDM-based multi-channel analog front-end for wearable dry EEG recording system. , 2017, , .		2
206	pH Switchable Nanoassembly for Imaging a Broad Range of Malignant Tumors. <i>ACS Nano</i> , 2017, 11, 12446-12452.	14.6	42
207	Simulation analysis of a wearable dry EEG electrodes for epilepsy monitoring. , 2017, , .		2
208	A 16-channel TDM analog front-end with enhanced system CMRR for wearable dry EEG recording. , 2017, , .		7
209	An integrated multichannel neural recording analog front-end ASIC with area-efficient driven right leg circuit. , 2017, 2017, 217-220.		4
210	Characterization of Free, Conjugated, and Bound Phenolic Acids in Seven Commonly Consumed Vegetables. <i>Molecules</i> , 2017, 22, 1878.	3.8	46
211	On Transform Domain Communication Systems under Spectrum Sensing Mismatch: A Deterministic Analysis. <i>Sensors</i> , 2017, 17, 1594.	3.8	1
212	CD59 association with infectious bronchitis virus particles protects against antibody-dependent complement-mediated lysis. <i>Journal of General Virology</i> , 2017, 98, 2725-2730.	2.9	9
213	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
214	Genetic Diversity, Population Structure, and Association Mapping of 10 Agronomic Traits in Sesame. <i>Crop Science</i> , 2016, 56, 331-343.	1.8	8
215	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
216	Independent Mobility Achieved through a Wireless Brain-Machine Interface. <i>PLoS ONE</i> , 2016, 11, e0165773.	2.5	30

#	ARTICLE	IF	CITATIONS
217	A 9.84â€“73.2 nJ, 0.048 mm ² time-domain impedance sensor that provides values of resistance and capacitance. , 2016, , .		0
218	A 83% peak efficiency 1.65 V to 11.4V dynamic voltage scaling supply for electrical stimulation applications in standard 0.18µm CMOS process. , 2016, , .		3
219	An isolated PoR based pulse generator for TEG energy harvesting with minimum startup of 150 mV and maximum series resistance of 600 Ω. , 2016, , .		2
220	Liquid evaporation-driven folding of graphene sheets. Applied Physics Letters, 2016, 108, .	3.3	18
221	Analysis of monolithic I/Q based impedance measurement circuits: Impact of non-ideal circuit effects on accuracies. , 2016, , .		1
222	A fully integrated capacitance boosting offset calibration circuit for capacitive pressure sensor. , 2016, , .		3
223	Synchronous Electric Charge Extraction for low voltage Piezoelectric Energy Harvester array. , 2016, , .		3
224	Lattice Mismatch Dominant Yet Mechanically Tunable Thermal Conductivity in Bilayer Heterostructures. ACS Nano, 2016, 10, 5431-5439.	14.6	57
225	Different amine-functionalized poly(diphenylsubstituted acetylenes) from the same precursor. Polymer Chemistry, 2016, 7, 5312-5321.	3.9	18
226	Mechanisms of Resistance to Pyroxsulam and ACCase Inhibitors in Japanese Foxtail (<i>Alopecurus) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5	4.5	39
227	Biopackaging of Intracranial Pressure Microsystem for Multimodality Neuro Monitoring of Severe Head Injury Patients. , 2016, , .		3
228	Three-dimensional nanotube electrode arrays for hierarchical tubular structured high-performance pseudocapacitors. Nanoscale, 2016, 8, 13280-13287.	5.6	23
229	Transcriptome profiling indicating canine parvovirus type 2a as a potential immune activator. Virus Genes, 2016, 52, 768-779.	1.6	7
230	Biological function of Foot-and-mouth disease virus non-structural proteins and non-coding elements. Virology Journal, 2016, 13, 107.	3.4	82
231	The enzyme-instructed assembly of the core of yeast prion Sup35 to form supramolecular hydrogels. Journal of Materials Chemistry B, 2016, 4, 1318-1323.	5.8	11
232	Probing the effects of external species on poly(acrylate acid) chain dynamics by using cationic AIE-active fluorophore. Science China Chemistry, 2016, 59, 218-224.	8.2	5
233	Unusual thermal conductivity behavior of serpentine graphene nanoribbons under tensile strain. Carbon, 2016, 96, 513-521.	10.3	20
234	Using the combined analysis of transcripts and metabolites to propose key genes for differential terpene accumulation across two regions. BMC Plant Biology, 2015, 15, 240.	3.6	72

#	ARTICLE	IF	CITATIONS
235	CpG site DNA methylation of the <i>CCAAT/enhancer-binding protein, alpha</i> promoter in chicken lines divergently selected for fatness. <i>Animal Genetics</i> , 2015, 46, 410-417.	1.7	14
236	Attenuated UV Radiation Alters Volatile Profile in Cabernet Sauvignon Grapes under Field Conditions. <i>Molecules</i> , 2015, 20, 16946-16969.	3.8	17
237	Characterization of CMOS electrochemical oxygen sensor for biomedical applications. , 2015, , .		0
238	A 76% efficiency boost converter with 220mV self-startup and 2nW quiescent power for high resistance thermo-electric energy harvesting. , 2015, , .		5
239	A high data rate wideband OOK transmitter for wireless neural signal recording. , 2015, , .		3
240	An output feedback-based start-up technique with automatic disabling for battery-less energy harvesters. , 2015, , .		3
241	A current-excited triple-time-voltage oversampling method for bio-impedance model for cost-efficient circuit system. , 2015, 2015, 1037-40.		3
242	Synthesis of Functional Poly(disubstituted acetylene)s through the Post-Polymerization Modification Route. <i>Chemical Record</i> , 2015, 15, 524-532.	5.8	12
243	Highly flexible and transferable supercapacitors with ordered three-dimensional MnO ₂ /Au/MnO ₂ nanospike arrays. <i>Journal of Materials Chemistry A</i> , 2015, 3, 10199-10204.	10.3	53
244	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
245	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
246	Genetic diversity of Malus cultivars and wild relatives in the Chinese National Repository of Apple Germplasm Resources. <i>Tree Genetics and Genomes</i> , 2015, 11, 1.	1.6	30
247	Tumor-Specific Formation of Enzyme-Instructed Supramolecular Self-Assemblies as Cancer Theranostics. <i>ACS Nano</i> , 2015, 9, 9517-9527.	14.6	182
248	Probing Thermal Conductivity of Fullerene C ₆₀ Hosting a Single Water Molecule. <i>Journal of Physical Chemistry C</i> , 2015, 119, 20466-20473.	3.1	14
249	Using a peptide segment to covalently conjugate doxorubicin and taxol for the study of drug combination effect. <i>RSC Advances</i> , 2015, 5, 101475-101479.	3.6	10
250	Vitamin C induces a pluripotent state in mouse embryonic stem cells by modulating micro-scpRNA expression. <i>FEBS Journal</i> , 2015, 282, 685-699.	4.7	49
251	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
252	Energy Aware Optimal Resource Allocation in Backhaul Constraint Wireless Networks: A Two Base Stations Scenario. <i>International Journal of Distributed Sensor Networks</i> , 2015, 11, 472169.	2.2	3

#	ARTICLE	IF	CITATIONS
253	Energy Efficient Cooperative Sleep Control Using Small Cell for Wireless Networks. International Journal of Distributed Sensor Networks, 2015, 11, 903853.	2.2	5
254	A 0.5-V sub- μ W/channel neural recording IC with delta-modulation-based spike detection. , 2014, , .		7
255	A 103 pJ/bit multi-channel reconfigurable GMSK/PSK/16-QAM transmitter with band-shaping. , 2014, , .		6
256	De Novo Chemoattractants Form Supramolecular Hydrogels for Immunomodulating Neutrophils In Vivo. Bioconjugate Chemistry, 2014, 25, 2116-2122.	3.6	8
257	A Low Power Interference Robust IR-UWB Transceiver SoC for WBAN Applications. , 2014, , 23-44.		3
258	Vitamin C Enhances Nanog Expression Via Activation of the JAK/STAT Signaling Pathway. Stem Cells, 2014, 32, 166-176.	3.2	40
259	30.7 A 60Mb/s wideband BCC transceiver with 150pJ/b RX and 31pJ/b TX for emerging wearable applications. , 2014, , .		21
260	Aromatic π -Aromatic Interactions Enhance Interfiber Contacts for Enzymatic Formation of a Spontaneously Aligned Supramolecular Hydrogel. Journal of the American Chemical Society, 2014, 136, 2970-2973.	13.7	126
261	A new strategy of post-polymerization modification to prepare functionalized poly(disubstituted) Tj ETQq1 1 0.784314 rgBT /Overloc	3.9	14
262	A high-impedance dual-mode SAW resonator for ultra low power and high data rate FSK modulator. Sensors and Actuators A: Physical, 2014, 220, 188-193.	4.1	6
263	Prion-like Nanofibrils of Small Molecules (PriSM) Selectively Inhibit Cancer Cells by Impeding Cytoskeleton Dynamics. Journal of Biological Chemistry, 2014, 289, 29208-29218.	3.4	46
264	The first supramolecular peptidic hydrogelator containing taurine. Chemical Communications, 2014, 50, 2772-2774.	4.1	32
265	Monosaccharide-functionalized poly(phenylacetylenes): in situ polymerization, hybridization with MWCNTs, and application in the reinforcement of chitosan rods. Polymer Chemistry, 2014, 5, 6216-6224.	3.9	9
266	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
267	A 3.54 nJ/bit-RX, 0.671 nJ/bit-TX Burst Mode Super-Regenerative UWB Transceiver<newline/> in 0.18- μ m CMOS. IEEE Transactions on Circuits and Systems I: Regular Papers, 2014, 61, 2473-2481.	5.4	17
268	Effects of traditional chinese cooking methods on formation of heterocyclic aromatic amines in lamb patties. Food Science and Biotechnology, 2014, 23, 747-753.	2.6	22
269	Reduction of sodium chloride levels in emulsified lamb sausages: The effect of lamb plasma protein on the gel properties, sensory characteristics, and microstructure. Food Science and Biotechnology, 2014, 23, 1137-1143.	2.6	5
270	α -D-Glucopyranosyl-Rhamnose-containing supramolecular nanofibrils as potential immunosuppressive materials. Organic and Biomolecular Chemistry, 2014, 12, 6816.	2.8	25

#	ARTICLE	IF	CITATIONS
271	Transferable self-welding silver nanowire network as high performance transparent flexible electrode. <i>Nanotechnology</i> , 2013, 24, 335202.	2.6	116
272	Vitamin C facilitates pluripotent stem cell maintenance by promoting pluripotency gene transcription. <i>Biochimie</i> , 2013, 95, 2107-2113.	2.6	31
273	Imaging Self-Assembly Dependent Spatial Distribution of Small Molecules in a Cellular Environment. <i>Langmuir</i> , 2013, 29, 15191-15200.	3.5	41
274	Energy efficient transmitters for high data rate biomedical applications. , 2013, , .		0
275	A Redox Responsive, Fluorescent Supramolecular Metallohydrogel Consists of Nanofibers with Single-Molecule Width. <i>Journal of the American Chemical Society</i> , 2013, 135, 5008-5011.	13.7	151
276	An energy-autonomous piezoelectric energy harvester interface circuit with 0.3V startup voltage. , 2013, , .		6
277	A pressure/oxygen/temperature sensing SoC for multimodality intracranial neuromonitoring. , 2013, , .		3
278	<scpd>-Amino Acids Boost the Selectivity and Confer Supramolecular Hydrogels of a Nonsteroidal Anti-Inflammatory Drug (NSAID). <i>Journal of the American Chemical Society</i> , 2013, 135, 542-545.	13.7	264
279	Selfâ€Delivery Multifunctional Antiâ€HIV Hydrogels for Sustained Release. <i>Advanced Healthcare Materials</i> , 2013, 2, 1586-1590.	7.6	60
280	Dephosphorylation of <scpd>-Peptide Derivatives to Form Biofunctional, Supramolecular Nanofibers/Hydrogels and Their Potential Applications for Intracellular Imaging and Intratumoral Chemotherapy. <i>Journal of the American Chemical Society</i> , 2013, 135, 9907-9914.	13.7	226
281	Probing Nanoscale Self-Assembly of Nonfluorescent Small Molecules inside Live Mammalian Cells. <i>ACS Nano</i> , 2013, 7, 9055-9063.	14.6	69
282	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
283	A 110pJ/b multichannel FSK/GMSK/QPSK/p/4-DQPSK transmitter with phase-interpolated dual-injection DLL-based synthesizer employing hybrid FIR. , 2013, , .		10
284	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
285	A low power interference robust IR-UWB transceiver SoC for WBAN applications. , 2012, , .		7
286	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
287	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
288	Catalytic dephosphorylation of adenosine monophosphate (AMP) to form supramolecular nanofibers/hydrogels. <i>Chemical Communications</i> , 2012, 48, 2098.	4.1	34

#	ARTICLE	IF	CITATIONS
289	Post-Self-Assembly Cross-Linking of Molecular Nanofibers for Oscillatory Hydrogels. <i>Langmuir</i> , 2012, 28, 3063-3066.	3.5	41
290	An asymmetrical QPSK/OOK transceiver SoC and 15:1 JPEG encoder IC for multifunction wireless capsule endoscopy. , 2012, , .		3
291	A Self-Powered Power Conditioning IC for Piezoelectric Energy Harvesting From Short-Duration Vibrations. <i>IEEE Transactions on Circuits and Systems II: Express Briefs</i> , 2012, 59, 578-582.	3.0	30
292	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
293	Imaging enzyme-triggered self-assembly of small molecules inside live cells. <i>Nature Communications</i> , 2012, 3, 1033.	12.8	411
294	A low-cost 2.45-GHz wireless power link for biomedical devices. , 2012, , .		7
295	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
296	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
297	Identification of Chinese white pear cultivars using SSR markers. <i>Genetic Resources and Crop Evolution</i> , 2012, 59, 317-326.	1.6	14
298	Supramolecular hydrogels based on the epitope of potassium ion channels. <i>Chemical Communications</i> , 2011, 47, 8772.	4.1	31
299	β -Galactosidase-instructed formation of molecular nanofibers and a hydrogel. <i>Nanoscale</i> , 2011, 3, 2859.	5.6	34
300	Supramolecular hydrogelators of N-terminated dipeptides selectively inhibit cancer cells. <i>Chemical Communications</i> , 2011, 47, 12625.	4.1	39
301	Low-power wireless receivers for healthcare applications. , 2011, , .		0
302	Novel Anisotropic Supramolecular Hydrogel with High Stability over a Wide pH Range. <i>Langmuir</i> , 2011, 27, 1510-1512.	3.5	72
303	A Facile Synthetic Route to Functional Poly(phenylacetylene)s with Tunable Structures and Properties. <i>Macromolecules</i> , 2011, 44, 6724-6737.	4.8	41
304	Versatile Small-Molecule Motifs for Self-Assembly in Water and the Formation of Biofunctional Supramolecular Hydrogels. <i>Langmuir</i> , 2011, 27, 529-537.	3.5	203
305	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
306	A low-power, high data-rate CMOS ASK transmitter for wireless capsule endoscopy. , 2011, , .		1

#	ARTICLE	IF	CITATIONS
307	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
308	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
309	A low power JPEG image compression IC for wireless ingestible endoscopy. , 2011, , .		3
310	Low-Power Ultrawideband Wireless Telemetry Transceiver for Medical Sensor Applications. <i>IEEE Transactions on Biomedical Engineering</i> , 2011, 58, 768-772.	4.2	130
311	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
312	Exceptionally small supramolecular hydrogelators based on aromatic π -aromatic interactions. <i>Beilstein Journal of Organic Chemistry</i> , 2011, 7, 167-172.	2.2	94
313	Supramolecular Nanofibers and Hydrogels of Nucleopeptides. <i>Angewandte Chemie - International Edition</i> , 2011, 50, 9365-9369.	13.8	133
314	An integrated beamformer for IR-UWB receiver in 0.18- μ m CMOS. , 2011, , .		6
315	Enzyme π -directed self π -assembly of peptide derivatives to form nanofibers and hydrogels. <i>Biopolymers</i> , 2010, 94, 19-31.	2.4	99
316	Advance on pulse-based UWB integrated transceiver circuits and systems: Invited paper. , 2010, , .		1
317	A 3.54nJ/bit UWB front-end in 0.18- μ m CMOS. , 2010, , .		0
318	Aromatic π -Aromatic Interactions Induce the Self-Assembly of Pentapeptidic Derivatives in Water To Form Nanofibers and Supramolecular Hydrogels. <i>Journal of the American Chemical Society</i> , 2010, 132, 2719-2728.	13.7	328
319	A 7.2mW 15Mbps ASK CMOS transmitter for ingestible capsule endoscopy. , 2010, , .		9
320	Molecular Nanofibers of Olsalazine Form Supramolecular Hydrogels for Reductive Release of an Anti-inflammatory Agent. <i>Journal of the American Chemical Society</i> , 2010, 132, 17707-17709.	13.7	165
321	Low power ultra-wideband wireless telemetry system for capsule endoscopy application. , 2010, , .		10
322	A 5.9mW 50Mbps CMOS QPSK/O-QPSK transmitter employing injection locking for direct modulation. , 2010, , .		5
323	Small peptide nanofibers as the matrices of molecular hydrogels for mimicking enzymes and enhancing the activity of enzymes. <i>Chemical Society Reviews</i> , 2010, 39, 3425.	38.1	242
324	Enzymatic formation of a photoresponsive supramolecular hydrogel. <i>Chemical Communications</i> , 2010, 46, 5364.	4.1	99

#	ARTICLE	IF	CITATIONS
325	Supramolecular Hydrogel of a α -Amino Acid Dipeptide for Controlled Drug Release in Vivo. <i>Langmuir</i> , 2009, 25, 8419-8422.	3.5	257
326	Enzyme-Instructed Molecular Self-assembly Confers Nanofibers and a Supramolecular Hydrogel of Taxol Derivative. <i>Journal of the American Chemical Society</i> , 2009, 131, 13576-13577.	13.7	373
327	3.5GHz IR-UWB timed array transmitter in 0.18 μ m CMOS. , 2009, , .		3
328	A 0.18- μ m CMOS 3.2-10 GHz quadrature VCO for IEEE 802.15.4a UWB transceivers. , 2009, , .		0
329	Low-Power CMOS RF front-end for non-coherent IR-UWB receiver. , 2008, , .		15
330	Enzymatic hydrogelation to immobilize an enzyme for high activity and stability. <i>Soft Matter</i> , 2008, 4, 550.	2.7	106
331	Dual-band hybrid dielectric resonator antenna for WLAN. , 2008, , .		2
332	Integrated Hybrid Dielectric Resonator Antenna for System-in-Package Application. <i>IEEE MTT-S International Microwave Symposium Digest IEEE MTT-S International Microwave Symposium</i> , 2007, , .	0.0	4
333	A 0.18- μ m CMOS UWB LNA with 5 GHz Interference Rejection. , 2007, , .		15
334	Fluorescent Magnetic Nanocrystals by Sequential Addition of Reagents in a One-Pot Reaction: A Simple Preparation for Multifunctional Nanostructures. <i>Journal of the American Chemical Society</i> , 2007, 129, 11928-11935.	13.7	168
335	A Wideband CMOS Multiplier for UWB Application. , 2007, , .		7
336	Conjugates of naphthalene and dipeptides produce molecular hydrogelators with high efficiency of hydrogelation and superhelical nanofibers. <i>Journal of Materials Chemistry</i> , 2007, 17, 850-854.	6.7	192
337	In Vitro and In Vivo Enzymatic Formation of Supramolecular Hydrogels Based on Self-Assembled Nanofibers of a β -Amino Acid Derivative. <i>Small</i> , 2007, 3, 558-562.	10.0	144
338	A compact wideband hybrid dielectric resonator antenna. <i>IEEE Microwave and Wireless Components Letters</i> , 2006, 16, 227-229.	3.2	48
339	Electromagnetically coupled wideband dielectric resonator antenna. , 2006, , .		0
340	Band-notched ultra-wideband ring-monopole antenna. <i>Microwave and Optical Technology Letters</i> , 2006, 48, 125-126.	1.4	76
341	Dual-band hybrid dielectric resonator antenna with CPW-fed slot. <i>Microwave and Optical Technology Letters</i> , 2006, 48, 170-172.	1.4	36
342	Dual-band hybrid antenna for WLAN application. , 2006, , .		2