

# Caofeng Pan

## List of Publications by Year in descending order

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342  
papers

21,586  
citations

7565

78  
h-index

11840

136  
g-index

362  
all docs

362  
docs citations

362  
times ranked

31881  
citing authors

#	ARTICLE	IF	CITATIONS
1	Skin-inspired highly stretchable and conformable matrix networks for multifunctional sensing. <i>Nature Communications</i> , 2018, 9, 244.	13.2	1,102
2	Toward Large-Scale Energy Harvesting by a Nanoparticle-Enhanced Triboelectric Nanogenerator. <i>Nano Letters</i> , 2013, 13, 847-853.	9.5	1,007
3	Triboelectric-Generator-Driven Pulse Electrodeposition for Micropatterning. <i>Nano Letters</i> , 2012, 12, 4960-4965.	9.5	900
4	Recent Progress in Electronic Skin. <i>Advanced Science</i> , 2015, 2, 1500169.	12.4	813
5	Dynamic Pressure Mapping of Personalized Handwriting by a Flexible Sensor Matrix Based on the Mechanoluminescence Process. <i>Advanced Materials</i> , 2015, 27, 2324-2331.	24.3	504
6	Epithelial-cell-intrinsic IKK- $\hat{I}^2$ expression regulates intestinal immune homeostasis. <i>Nature</i> , 2007, 446, 552-556.	36.2	481
7	Current Clinical Applications of In-Vivo Gene Therapy with AAVs. <i>Molecular Therapy</i> , 2021, 29, 464-488.	8.1	440
8	Progress in nanogenerators for portable electronics. <i>Materials Today</i> , 2012, 15, 532-543.	18.1	430
9	Self-Powered High-Resolution and Pressure-Sensitive Triboelectric Sensor Matrix for Real-Time Tactile Mapping. <i>Advanced Materials</i> , 2016, 28, 2896-2903.	24.3	366
10	Rectangular Bunched Rutile TiO <sub>2</sub> Nanorod Arrays Grown on Carbon Fiber for Dye-Sensitized Solar Cells. <i>Journal of the American Chemical Society</i> , 2012, 134, 4437-4441.	14.6	351
11	Single vs. swarm detection of microparticles and exosomes by flow cytometry. <i>Journal of Thrombosis and Haemostasis</i> , 2012, 10, 919-930.	4.1	343
12	Interplay of electron-lattice interactions and superconductivity in Bi <sub>2</sub> Sr <sub>2</sub> CaCu <sub>2</sub> O <sub>8</sub> + $\hat{I}$ . <i>Nature</i> , 2006, 442, 546-550.	36.2	338
13	A Highly Stretchable Transparent Self-Powered Triboelectric Tactile Sensor with Metallized Nanofibers for Wearable Electronics. <i>Advanced Materials</i> , 2018, 30, e1706738.	24.3	334
14	Light-induced pyroelectric effect as an effective approach for ultrafast ultraviolet nanosensing. <i>Nature Communications</i> , 2015, 6, 8401.	13.2	287
15	Electrostrictive effect in perovskites and its transducer applications. <i>Journal of Materials Science</i> , 1981, 16, 569-578.	3.7	246
16	Bioinspired Self-Healing Human-Machine Interactive Touch Pad with Pressure-Sensitive Adhesiveness on Targeted Substrates. <i>Advanced Materials</i> , 2020, 32, e2004290.	24.3	245
17	Flexible, Stretchable and Wearable Multifunctional Sensor Array as Artificial Electronic Skin for Static and Dynamic Strain Mapping. <i>Advanced Electronic Materials</i> , 2015, 1, 1500142.	5.4	236
18	In Situ Quantitative Study of Nanoscale Triboelectrification and Patterning. <i>Nano Letters</i> , 2013, 13, 2771-2776.	9.5	224

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19	The effect of combined oral contraception on testosterone levels in healthy women: a systematic review and meta-analysis. <i>Human Reproduction Update</i> , 2014, 20, 76-105.	12.0	223
20	A Single ZnO Nanofiber-Based Highly Sensitive Amperometric Glucose Biosensor. <i>Journal of Physical Chemistry C</i> , 2010, 114, 9308-9313.	3.3	214
21	Largely Enhanced Efficiency in ZnO Nanowire/p-Polymer Hybridized Inorganic/Organic Ultraviolet Light-Emitting Diode by Piezo-Phototronic Effect. <i>Nano Letters</i> , 2013, 13, 607-613.	9.5	210
22	Networks of High Performance Triboelectric Nanogenerators Based on Liquid-Solid Interface Contact Electrification for Harvesting Low-Frequency Blue Energy. <i>Advanced Energy Materials</i> , 2018, 8, 1800705.	22.2	202
23	Boosting solar steam generation by structure enhanced energy management. <i>Science Bulletin</i> , 2020, 65, 1380-1388.	11.1	202
24	Printable Skin-Driven Mechanoluminescence Devices via Nanodoped Matrix Modification. <i>Advanced Materials</i> , 2018, 30, e1800291.	24.3	200
25	Full Dynamic-Range Pressure Sensor Matrix Based on Optical and Electrical Dual-Mode Sensing. <i>Advanced Materials</i> , 2017, 29, 1605817.	24.3	190
26	Flexible Photodetector Arrays Based on Patterned CH <sub>3</sub> NH <sub>3</sub> PbI <sub>3</sub> Cl <sub>x</sub> Perovskite Film for Real-Time Photosensing and Imaging. <i>Advanced Materials</i> , 2019, 31, e1805913.	24.3	185
27	Free Radical Activity in Type 2 Diabetes. <i>Diabetic Medicine</i> , 1990, 7, 27-30.	2.5	181
28	Dynamic Triboelectrification-Induced Electroluminescence and its Use in Visualized Sensing. <i>Advanced Materials</i> , 2016, 28, 6656-6664.	24.3	151
29	Detection of non-joint areas tiny strain and anti-interference voice recognition by micro-cracked metal thin film. <i>Nano Energy</i> , 2017, 34, 578-585.	16.5	143
30	Recent progress in tactile sensors and their applications in intelligent systems. <i>Science Bulletin</i> , 2020, 65, 70-88.	11.1	143
31	Piezo-Phototronic Effect for Enhanced Flexible MoS <sub>2</sub> /WSe <sub>2</sub> van der Waals Photodiodes. <i>Advanced Functional Materials</i> , 2018, 28, 1802849.	16.5	142
32	Planck early results. IV. First assessment of the High Frequency Instrument in-flight performance. <i>Astronomy and Astrophysics</i> , 2011, 536, A4.	5.3	138
33	Assessment of the Genetic Basis of Rosacea by Genome-Wide Association Study. <i>Journal of Investigative Dermatology</i> , 2015, 135, 1548-1555.	0.7	137
34	Highly Sensitive Amperometric Cholesterol Biosensor Based on Pt-Incorporated Fullerene-like ZnO Nanospheres. <i>Journal of Physical Chemistry C</i> , 2010, 114, 243-250.	3.3	133
35	Piezo-Phototronic Effect Modulated Deep UV Photodetector Based on ZnO-Ga <sub>2</sub> O <sub>3</sub> Heterojunction Microwire. <i>Advanced Functional Materials</i> , 2018, 28, 1706379.	16.5	132
36	Self-Powered Tactile Sensor Array Systems Based on the Triboelectric Effect. <i>Advanced Functional Materials</i> , 2019, 29, 1806379.	16.5	132

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37	Nanowire-Based High-Performance Micro Fuel Cells: One Nanowire, One Fuel Cell. <i>Advanced Materials</i> , 2008, 20, 1644-1648.	24.3	126
38	Achieving high-resolution pressure mapping via flexible GaN/ ZnO nanowire LEDs array by piezo-phototronic effect. <i>Nano Energy</i> , 2019, 58, 633-640.	16.5	126
39	Enhanced performances of flexible ZnO/perovskite solar cells by piezo-phototronic effect. <i>Nano Energy</i> , 2016, 23, 27-33.	16.5	124
40	Bioinspired Multifunctional Photonic-Electronic Smart Skin for Ultrasensitive Health Monitoring, for Visual and Self-Powered Sensing. <i>Advanced Materials</i> , 2021, 33, e2102332.	24.3	124
41	Prospective Case-Control Study of Cardiovascular Abnormalities 6 Months Following Mild COVID-19 in Healthcare Workers. <i>JACC: Cardiovascular Imaging</i> , 2021, 14, 2155-2166.	6.0	123
42	A high performance cathode for proton conducting solid oxide fuel cells. <i>Journal of Materials Chemistry A</i> , 2015, 3, 8405-8412.	10.5	122
43	Piezo-Phototronic Enhanced UV Sensing Based on a Nanowire Photodetector Array. <i>Advanced Materials</i> , 2015, 27, 7963-7969.	24.3	121
44	The applications of carbon nanotubes and graphene in advanced rechargeable lithium batteries. <i>Journal of Materials Chemistry A</i> , 2016, 4, 8932-8951.	10.5	121
45	Piezotronic Effect on the Transport Properties of GaN Nanobelts for Active Flexible Electronics. <i>Advanced Materials</i> , 2012, 24, 3532-3537.	24.3	118
46	Progress in Piezo-Phototronic Effect-Enhanced Light-Emitting Diodes and Pressure Imaging. <i>Advanced Materials</i> , 2016, 28, 1535-1552.	24.3	114
47	A Streaming Potential/Current-Based Microfluidic Direct Current Generator for Self-Powered Nanosystems. <i>Advanced Materials</i> , 2015, 27, 6482-6487.	24.3	112
48	The role of nutrition in asthma prevention and treatment. <i>Nutrition Reviews</i> , 2020, 78, 928-938.	5.9	112
49	High performance of ZnO nanowire protein sensors enhanced by the piezotronic effect. <i>Energy and Environmental Science</i> , 2013, 6, 494.	32.2	111
50	Electrochemical Cathodic Protection Powered by Triboelectric Nanogenerator. <i>Advanced Functional Materials</i> , 2014, 24, 6691-6699.	16.5	110
51	Base-treated polydimethylsiloxane surfaces as enhanced triboelectric nanogenerators. <i>Nano Energy</i> , 2015, 15, 523-529.	16.5	110
52	Hierarchical TiO <sub>2</sub> nanowire/graphite fiber photoelectrocatalysis setup powered by a wind-driven nanogenerator: A highly efficient photoelectrocatalytic device entirely based on renewable energy. <i>Nano Energy</i> , 2015, 11, 19-27.	16.5	109
53	Significance of Flexible Substrates for Wearable and Implantable Devices: Recent Advances and Perspectives. <i>Advanced Materials Technologies</i> , 2022, 7, .	6.2	109
54	A Three Dimensional Multi-Layered Sliding Triboelectric Nanogenerator. <i>Advanced Energy Materials</i> , 2014, 4, 1301592.	22.2	107

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55	Changes in <sup>32</sup> P-Content of Phosphatidic Acid and the Phosphoinositides of Rabbit Platelets during Aggregation Induced by Collagen or Thrombin. <i>British Journal of Haematology</i> , 1974, 26, 243-253.	2.7	105
56	Ultrathin and Conformable Lead Halide Perovskite Photodetector Arrays for Potential Application in Retina-Like Vision Sensing. <i>Advanced Materials</i> , 2021, 33, e2006006.	24.3	103
57	Upper and Lower Bounds of Scattering Phases. <i>Progress of Theoretical Physics</i> , 1951, 6, 394-407.	2.1	102
58	Activation of Matrix Metalloproteinase-3 and Agrin Cleavage in Cerebral Ischemia/Reperfusion. <i>Journal of Neuropathology and Experimental Neurology</i> , 2004, 63, 338-349.	1.8	102
59	Piezotronic Effect on the Sensitivity and Signal Level of Schottky Contacted Proactive Micro/Nanowire Nanosensors. <i>ACS Nano</i> , 2013, 7, 1803-1810.	15.3	100
60	Generating Electricity from Biofluid with a Nanowire-Based Biofuel Cell for Self-Powered Nanodevices. <i>Advanced Materials</i> , 2010, 22, 5388-5392.	24.3	99
61	Triboiontronic Transistor of MoS <sub>2</sub> . <i>Advanced Materials</i> , 2019, 31, e1806905.	24.3	99
62	Force-induced charge carrier storage: a new route for stress recording. <i>Light: Science and Applications</i> , 2020, 9, 182.	16.2	98
63	Hybrid cells for simultaneously harvesting multi-type energies for self-powered micro/nanosystems. <i>Nano Energy</i> , 2012, 1, 259-272.	16.5	97
64	Tactile Sensors for Advanced Intelligent Systems. <i>Advanced Intelligent Systems</i> , 2019, 1, 1900090.	6.7	96
65	Vertically Aligned CdSe Nanowire Arrays for Energy Harvesting and Piezotronic Devices. <i>ACS Nano</i> , 2012, 6, 6478-6482.	15.3	95
66	Photoluminescence Tuning in Stretchable PDMS Film Grafted Doped Core/Multishell Quantum Dots for Anticounterfeiting. <i>Advanced Functional Materials</i> , 2017, 27, 1700051.	16.5	94
67	Fiber-Based Hybrid Nanogenerators for/as Self-Powered Systems in Biological Liquid. <i>Angewandte Chemie - International Edition</i> , 2011, 50, 11192-11196.	14.8	93
68	Outcomes of critically ill solid organ transplant patients with COVID-19 in the United States. <i>American Journal of Transplantation</i> , 2020, 20, 3061-3071.	4.9	91
69	Enhancing Photoresponsivity of Self-Aligned MoS <sub>2</sub> Field-Effect Transistors by Piezo-Phototronic Effect from GaN Nanowires. <i>ACS Nano</i> , 2016, 10, 7451-7457.	15.3	88
70	Polystyrene microplastics-induced ROS overproduction disrupts the skeletal muscle regeneration by converting myoblasts into adipocytes. <i>Journal of Hazardous Materials</i> , 2021, 417, 125962.	12.6	88
71	Beta-lactam versus beta-lactam-aminoglycoside combination therapy in cancer patients with neutropenia. <i>The Cochrane Library</i> , 2016, 2016, CD003038.	2.8	86
72	Identifying and Eliminating Emissive Subbandgap States in Thin Films of PbS Nanocrystals. <i>Advanced Materials</i> , 2015, 27, 4481-4486.	24.3	86

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73	Nano High-Entropy Materials: Synthesis Strategies and Catalytic Applications. <i>Small Structures</i> , 2020, 1, 2000033.	13.2	86
74	Cryptic female choice favours sperm from major histocompatibility complex-dissimilar males. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2013, 280, 20131296.	2.8	85
75	Triboelectric Nanogenerators as a Self-Powered Motion Tracking System. <i>Advanced Functional Materials</i> , 2014, 24, 5059-5066.	16.5	84
76	Driving Cessation and Dementia: Results of the Prospective Registry on Dementia in Austria (PRODEM). <i>PLoS ONE</i> , 2012, 7, e52710.	2.5	83
77	Piezotronic effect enhanced Schottky-contact ZnO micro/nanowire humidity sensors. <i>Nano Research</i> , 2014, 7, 1083-1091.	10.6	82
78	Optical Fiber-Based Core-Shell Coaxially Structured Hybrid Cells for Self-Powered Nanosystems. <i>Advanced Materials</i> , 2012, 24, 3356-3361.	24.3	80
79	CdS nanorods/organic hybrid LED array and the piezo-phototronic effect of the device for pressure mapping. <i>Nanoscale</i> , 2016, 8, 8078-8082.	5.8	80
80	Cryo-EM Studies of Drp1 Reveal Cardiolipin Interactions that Activate the Helical Oligomer. <i>Scientific Reports</i> , 2017, 7, 10744.	3.4	79
81	Energy Conversion Analysis of Multilayered Triboelectric Nanogenerators for Synergistic Rain and Solar Energy Harvesting. <i>Advanced Materials</i> , 2022, 34, e2202238.	24.3	78
82	Piezo-Phototronic Effect of CdSe Nanowires. <i>Advanced Materials</i> , 2012, 24, 5470-5475.	24.3	77
83	A Stretchable Nanogenerator with Electric/Light Dual-Mode Energy Conversion. <i>Advanced Energy Materials</i> , 2016, 6, 1600829.	22.2	77
84	Single Molecule Characterization of the Interactions between Amyloid- $\beta^2$ Peptides and the Membranes of Hippocampal Cells. <i>Journal of the American Chemical Society</i> , 2013, 135, 1491-1498.	14.6	76
85	Piezotronic effect enhanced detection of flammable/toxic gases by ZnO micro/nanowire sensors. <i>Nano Energy</i> , 2015, 12, 588-596.	16.5	76
86	Repression of the Central Splicing Regulator RBFox2 Is Functionally Linked to Pressure Overload-Induced Heart Failure. <i>Cell Reports</i> , 2015, 10, 1521-1533.	6.3	76
87	Piezotronic effect enhanced performance of Schottky-contacted optical, gas, chemical and biological nanosensors. <i>Nano Energy</i> , 2015, 14, 312-339.	16.5	71
88	Wafer-Scale High-Throughput Ordered Arrays of Si and Coaxial Si/Ge Wires: Fabrication, Characterization, and Photovoltaic Application. <i>ACS Nano</i> , 2011, 5, 6629-6636.	15.3	67
89	Light-Emission Enhancement in a Flexible and Size-Controllable ZnO Nanowire/Organic Light-Emitting Diode Array by the Piezotronic Effect. <i>ACS Photonics</i> , 2017, 4, 1344-1349.	6.9	67
90	Predicting Fine-Scale Daily NO <sub>2</sub> for 2005-2016 Incorporating OMI Satellite Data Across Switzerland. <i>Environmental Science &amp; Technology</i> , 2019, 53, 10279-10287.	10.5	67

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91	Assessing firmness and SSC of pears based on absorption and scattering properties using an automatic integrating sphere system from 400 to 1150 nm. <i>Postharvest Biology and Technology</i> , 2016, 121, 62-70.	6.1	66
92	Mechanoluminescent hybrids from a natural resource for energy-related applications. <i>Information Materials</i> , 2021, 3, 1272-1284.	20.7	65
93	Liquidity Commonality Across the Bond and CDS Markets. <i>Journal of Fixed Income</i> , 2009, 19, 26-39.	0.3	63
94	Piezoelectric-Phototronic UV/Visible Photosensing with Optical-Fiber Nanowire Hybridized Structures. <i>Advanced Materials</i> , 2015, 27, 1553-1560.	24.3	62
95	Bioinspired Electronic Whisker Arrays by Pencil-Drawn Paper for Adaptive Tactile Sensing. <i>Advanced Electronic Materials</i> , 2016, 2, 1600093.	5.4	62
96	Piezophototronic Effect Enhanced Photoresponse of the Flexible Cu(In,Ga)Se <sub>2</sub> (CIGS) Heterojunction Photodetectors. <i>Advanced Functional Materials</i> , 2018, 28, 1707311.	16.5	62
97	Visualization Recording and Storage of Pressure Distribution through a Smart Matrix Based on the Piezotronic Effect. <i>Advanced Materials</i> , 2017, 29, 1701253.	24.3	61
98	Piezotronics in two-dimensional materials. <i>Information Materials</i> , 2021, 3, 987-1007.	20.7	61
99	Dynamically Modulated GaN Whispering Gallery Lasing Mode for Strain Sensor. <i>Advanced Functional Materials</i> , 2019, 29, 1905051.	16.5	60
100	Optical-fiber/TiO <sub>2</sub> -nanowire-arrays hybrid structures with tubular counterelectrode for dye-sensitized solar cell. <i>Nano Energy</i> , 2012, 1, 176-182.	16.5	58
101	A nanowire based triboelectric nanogenerator for harvesting water wave energy and its applications. <i>APL Materials</i> , 2017, 5, .	4.8	58
102	Trends in educational differences in adolescent daily smoking across Europe, 2002-10. <i>European Journal of Public Health</i> , 2013, 23, 846-852.	0.3	57
103	Enhanced photoresponsivity of the MoS <sub>2</sub> -GaN heterojunction diode via the piezo-phototronic effect. <i>NPG Asia Materials</i> , 2017, 9, e418-e418.	8.3	57
104	The role of <i>Odontella aurita</i> , a marine diatom rich in EPA, as a dietary supplement in dyslipidemia, platelet function and oxidative stress in high-fat fed rats. <i>Lipids in Health and Disease</i> , 2012, 11, 147.	3.0	56
105	Mechanoluminescence enhancement of ZnS:Cu,Mn with piezotronic effect induced trap-depth reduction originated from PVDF ferroelectric film. <i>Nano Energy</i> , 2019, 63, 103861.	16.5	55
106	WS <sub>2</sub> /CsPbBr <sub>3</sub> van der Waals heterostructure planar photodetectors with ultrahigh on/off ratio and piezo-phototronic effect-induced strain-gated characteristics. <i>Nano Energy</i> , 2019, 65, 104001.	16.5	55
107	McCune-Albright Syndrome and Acromegaly: Effects of Hypothalamopituitary Radiotherapy and/or Pegvisomant in Somatostatin Analog-Resistant Patients. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2006, 91, 4957-4961.	3.6	54
108	FRIENDS OF HOT JUPITERS. III. AN INFRARED SPECTROSCOPIC SEARCH FOR LOW-MASS STELLAR COMPANIONS. <i>Astrophysical Journal</i> , 2015, 814, 148.	4.7	54

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109	Turbidity influences individual and group level responses to predation in guppies, <i>Poecilia reticulata</i> . <i>Animal Behaviour</i> , 2015, 103, 179-185.	2.0	54
110	Flexible Light Emission Diode Arrays Made of Transferred Si Microwires-ZnO Nanofilm with Piezo-Phototronic Effect Enhanced Lighting. <i>ACS Nano</i> , 2017, 11, 3883-3889.	15.3	54
111	Percutaneous electrochemotherapy in the treatment of portal vein tumor thrombosis at hepatic hilum in patients with hepatocellular carcinoma in cirrhosis: A feasibility study. <i>World Journal of Gastroenterology</i> , 2017, 23, 906.	3.4	54
112	Quantitative Analysis of the Brain Ubiquitylome in Alzheimer's Disease. <i>Proteomics</i> , 2018, 18, e1800108.	3.0	52
113	Temperature Dependence of the Piezophototronic Effect in CdS Nanowires. <i>Advanced Functional Materials</i> , 2015, 25, 5277-5284.	16.5	50
114	MXene enhanced self-powered alternating current electroluminescence devices for patterned flexible displays. <i>Nano Energy</i> , 2021, 86, 106077.	16.5	50
115	Progress in piezo-phototronic effect enhanced photodetectors. <i>Journal of Materials Chemistry C</i> , 2016, 4, 11341-11354.	5.6	49
116	Oxygen-assisted preparation of mechanoluminescent ZnS:Mn for dynamic pressure mapping. <i>Nano Research</i> , 2018, 11, 1967-1976.	10.6	49
117	Piezophotonics: From fundamentals and materials to applications. <i>MRS Bulletin</i> , 2018, 43, 965-969.	4.2	49
118	Glucose management for exercise using continuous glucose monitoring (CGM) and intermittently scanned CGM (isCGM) systems in type 1 diabetes: position statement of the European Association for the Study of Diabetes (EASD) and of the International Society for Pediatric and Adolescent Diabetes (ISPAD) endorsed by . <i>Pediatric Diabetes</i> , 2020, 21, 1375-1393.	3.0	49
119	Interfacial electric field enhanced charge density for robust triboelectric nanogenerators by tailoring metal/perovskite Schottky junction. <i>Nano Energy</i> , 2020, 73, 104747.	16.5	49
120	Prospective registration and reporting of trial number in randomised clinical trials: global cross sectional study of the adoption of ICMJE and Declaration of Helsinki recommendations. <i>BMJ</i> , The, 2020, 369, m982.	7.8	49
121	Phase structure and piezoelectric properties of $(1-x)K_{0.48}Na_{0.52}Nb_{0.95}Sb_{0.05}O_{3-x}(Bi_{0.5}Na_{0.5})_{0.9}(Li_{0.5}Ce_{0.5})_{0.1}ZrO_3$ lead-free piezoelectric ceramics. <i>Journal of Applied Physics</i> , 2016, 119, .	2.3	48
122	Regulation of the plasma non-esterified fatty acid concentration in the postprandial state. <i>Proceedings of the Nutrition Society</i> , 1997, 56, 713-721.	1.0	47
123	Piezophototronic Boolean Logic and Computation Using Photon and Strain Dual-Gated Nanowire Transistors. <i>Advanced Materials</i> , 2015, 27, 940-947.	24.3	47
124	Association between pre-sarcopenia, sarcopenia, and bone mineral density in patients with chronic hepatitis C. <i>Journal of Cachexia, Sarcopenia and Muscle</i> , 2018, 9, 255-268.	7.4	47
125	Autonomous Multi-Step and Multi-Objective Optimization Facilitated by Real-Time Process Analytics. <i>Advanced Science</i> , 2022, 9, e2105547.	12.4	47
126	Association of Hemochromatosis HFE p.C282Y Homozygosity With Hepatic Malignancy. <i>JAMA - Journal of the American Medical Association</i> , 2020, 324, 2048.	7.0	46



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127	Metal Halide Perovskite Arrays: From Construction to Optoelectronic Applications. <i>Advanced Functional Materials</i> , 2021, 31, 2005230.	16.5	46
128	ESCA-Untersuchungen an Schwermetallchelaten substituierter N-Acyl-thio- und -selenoharnstoffe. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 1977, 432, 275-279.	1.3	44
129	Nano-porous anodic aluminium oxide membranes with 6–19 nm pore diameters formed by a low-potential anodizing process. <i>Nanotechnology</i> , 2007, 18, 345302.	2.7	44
130	A Comparative Study of Lung Host Defense in Murine Obesity Models. Insights into Neutrophil Function. <i>American Journal of Respiratory Cell and Molecular Biology</i> , 2016, 55, 188-200.	3.3	44
131	Calcium-tributylphosphine oxide passivation enables the efficiency of pure-blue perovskite light-emitting diode up to 3.3%. <i>Science Bulletin</i> , 2020, 65, 1150-1153.	11.1	43
132	Whole Genome Sequencing for the Analysis of Drug Resistant Strains of <i>Mycobacterium tuberculosis</i> : A Systematic Review for Bedaquiline and Delamanid. <i>Antibiotics</i> , 2020, 9, 133.	3.8	42
133	Bidirectional Photoresponse in Perovskite/ZnO Heterostructure for Fully Optical Controlled Artificial Synapse. <i>Advanced Optical Materials</i> , 2022, 10, .	7.9	42
134	Coffee, tea and melanoma risk: findings from the European Prospective Investigation into Cancer and Nutrition. <i>International Journal of Cancer</i> , 2017, 140, 2246-2255.	5.4	40
135	Biologically Inspired Stretchable, Multifunctional, and 3D Electronic Skin by Strain Visualization and Triboelectric Pressure Sensing. <i>Small Science</i> , 2022, 2, 2100083.	10.6	40
136	Search for the standard model Higgs boson produced in association with a top-quark pair in pp collisions at the LHC. <i>Journal of High Energy Physics</i> , 2013, 2013, 1.	4.8	39
137	Structure of the Essential <i>Mtb</i> FadD32 Enzyme: A Promising Drug Target for Treating Tuberculosis. <i>ACS Infectious Diseases</i> , 2016, 2, 579-591.	4.0	38
138	Piezopotential-Programmed Multilevel Nonvolatile Memory As Triggered by Mechanical Stimuli. <i>ACS Nano</i> , 2016, 10, 11037-11043.	15.3	38
139	Measuring Photosynthesis of Attached Leaves with Air Sealed Chambers 1. <i>Crop Science</i> , 1969, 9, 24-27.	1.9	38
140	Determination of UV-visible-NIR absorption coefficient of graphite bulk using direct and indirect methods. <i>Applied Physics A: Materials Science and Processing</i> , 2017, 123, 1.	2.4	37
141	Aggregation states and electro-optical properties of the induced smectic phase by mixing a nematic liquid crystalline polymer and a low molecular weight liquid crystal. <i>Polymer</i> , 1992, 33, 1822-1825.	3.9	36
142	Development, Calibration, and Validation of a New M-E Rutting Model for HMA Overlay Design and Analysis. <i>Journal of Materials in Civil Engineering</i> , 2011, 23, 89-99.	3.0	36
143	Coordination control design for formation reconfiguration of multiple spacecraft. <i>IET Control Theory and Applications</i> , 2015, 9, 2222-2231.	2.2	36
144	First Episode of Spontaneous Pneumothorax: CT-based Scoring to Select Patients for Early Surgery. <i>World Journal of Surgery</i> , 2016, 40, 1112-1120.	1.4	35

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145	Bone marrow transplantation for chronic myeloid leukemia (CML) from unrelated and sibling donors: single center experience. <i>Bone Marrow Transplantation</i> , 1997, 20, 1057-1062.	2.4	34
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