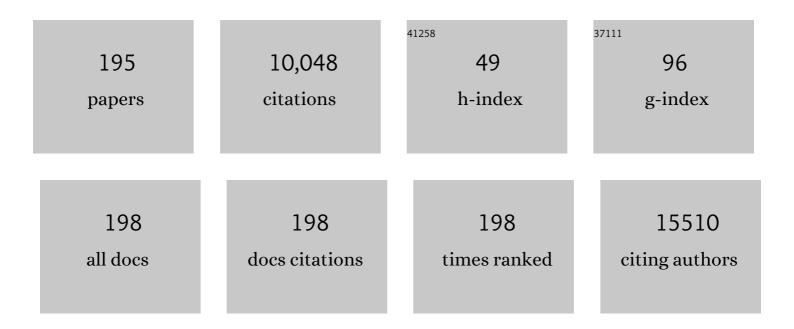


List of Publications by Year in descending order

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XINC WH

#	Article	IF	CITATIONS
1	Direct, Nonoxidative Conversion of Methane to Ethylene, Aromatics, and Hydrogen. Science, 2014, 344, 616-619.	6.0	1,113
2	A single iron site confined in a graphene matrix for the catalytic oxidation of benzene at room temperature. Science Advances, 2015, 1, e1500462.	4.7	719
3	Synthesis and Optical Properties of Largeâ€Area Singleâ€Crystalline 2D Semiconductor WS ₂ Monolayer from Chemical Vapor Deposition. Advanced Optical Materials, 2014, 2, 131-136.	3.6	513
4	Recommended Methods to Study Resistive Switching Devices. Advanced Electronic Materials, 2019, 5, 1800143.	2.6	452
5	Layer-by-Layer Thinning of MoS ₂ by Plasma. ACS Nano, 2013, 7, 4202-4209.	7.3	387
6	Integrating the g-C ₃ N ₄ Nanosheet with B–H Bonding Decorated Metal–Organic Framework for CO ₂ Activation and Photoreduction. ACS Nano, 2018, 12, 5333-5340.	7.3	263
7	Evolution of Raman spectra in nitrogen doped graphene. Carbon, 2013, 61, 57-62.	5.4	228
8	Top–down fabrication of sub-nanometre semiconducting nanoribbons derived from molybdenum disulfide sheets. Nature Communications, 2013, 4, 1776.	5.8	220
9	High efficiency and fast van der Waals hetero-photodiodes with a unilateral depletion region. Nature Communications, 2019, 10, 4663.	5.8	213
10	Palladium Diselenide Long-Wavelength Infrared Photodetector with High Sensitivity and Stability. ACS Nano, 2019, 13, 2511-2519.	7.3	198
11	Carbon Microbelt Aerogel Prepared by Waste Paper: An Efficient and Recyclable Sorbent for Oils and Organic Solvents. Small, 2014, 10, 3544-3550.	5.2	196
12	Hierarchical MoS ₂ Hollow Architectures with Abundant Mo Vacancies for Efficient Sodium Storage. ACS Nano, 2019, 13, 5533-5540.	7.3	187
13	Silicon carbide-derived carbon nanocomposite as a substitute for mercury in the catalytic hydrochlorination of acetylene. Nature Communications, 2014, 5, 3688.	5.8	181
14	Room temperature ferromagnetism in ultra-thin van der Waals crystals of 1T-CrTe2. Nano Research, 2020, 13, 3358-3363.	5.8	175
15	Zeeman splitting and dynamical mass generation in Dirac semimetal ZrTe5. Nature Communications, 2016, 7, 12516.	5.8	149
16	Engineering the Coordination Sphere of Isolated Active Sites to Explore the Intrinsic Activity in Single-Atom Catalysts. Nano-Micro Letters, 2021, 13, 136.	14.4	138
17	When Nanowires Meet Ultrahigh Ferroelectric Field–High-Performance Full-Depleted Nanowire Photodetectors. Nano Letters, 2016, 16, 2548-2555.	4.5	135
18	Visible Light-Assisted High-Performance Mid-Infrared Photodetectors Based on Single InAs Nanowire. Nano Letters, 2016, 16, 6416-6424.	4.5	134

#	Article	IF	CITATIONS
19	Dual-defect surface engineering of bimetallic sulfide nanotubes towards flexible asymmetric solid-state supercapacitors. Journal of Materials Chemistry A, 2020, 8, 24053-24064.	5.2	133
20	Effect of fluorine doping and sulfur vacancies of CuCo2S4 on its electrochemical performance in supercapacitors. Chemical Engineering Journal, 2020, 390, 124643.	6.6	132
21	AsP/InSe Van der Waals Tunneling Heterojunctions with Ultrahigh Reverse Rectification Ratio and High Photosensitivity. Advanced Functional Materials, 2019, 29, 1900314.	7.8	121
22	Construction of hierarchical CoS nanowire@NiCo ₂ S ₄ nanosheet arrays via one-step ion exchange for high-performance supercapacitors. Journal of Materials Chemistry A, 2015, 3, 24033-24040.	5.2	119
23	Surface step decoration of isolated atom as electron pumping: Atomic-level insights into visible-light hydrogen evolution. Nano Energy, 2018, 45, 109-117.	8.2	118
24	Recent Advances on Transition Metal Dichalcogenides for Electrochemical Energy Conversion. Advanced Materials, 2021, 33, e2008376.	11.1	114
25	Ultrafast Dynamic Pressure Sensors Based on Graphene Hybrid Structure. ACS Applied Materials & Interfaces, 2017, 9, 24148-24154.	4.0	103
26	High-Performance Near-Infrared Photodetectors Based on p-Type SnX (X = S, Se) Nanowires Grown <i>via</i> Chemical Vapor Deposition. ACS Nano, 2018, 12, 7239-7245.	7.3	101
27	Defect-mediated phase transition temperature of VO2 (M) nanoparticles with excellent thermochromic performance and low threshold voltage. Journal of Materials Chemistry A, 2014, 2, 4520.	5.2	90
28	Metallic few-layered VSe ₂ nanosheets: high two-dimensional conductivity for flexible in-plane solid-state supercapacitors. Journal of Materials Chemistry A, 2018, 6, 8299-8306.	5.2	89
29	Highâ€Performance Waferâ€Scale MoS ₂ Transistors toward Practical Application. Small, 2018, 14, e1803465.	5.2	88
30	Controlled Doping of Waferâ€5cale PtSe ₂ Films for Device Application. Advanced Functional Materials, 2019, 29, 1805614.	7.8	87
31	Review of Printed Electrodes for Flexible Devices. Frontiers in Materials, 2019, 5, .	1.2	85
32	In Situ Transmission Electron Microscopy Characterization and Manipulation of Twoâ€Dimensional Layered Materials beyond Graphene. Small, 2017, 13, 1604259.	5.2	75
33	Preparation, performances and mechanisms of magnetic Saccharomyces cerevisiae bionanocomposites for atrazine removal. Chemosphere, 2018, 200, 380-387.	4.2	75
34	Recent advances in ethanol gas sensors based on metal oxide semiconductor heterojunctions. Rare Metals, 2022, 41, 1818-1842.	3.6	71
35	Properties of graphene-metal contacts probed by Raman spectroscopy. Carbon, 2018, 127, 491-497.	5.4	70
36	Intrinsic nanofilamentation in resistive switching. Journal of Applied Physics, 2013, 113, 114503.	1.1	69

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37	Graphene Scaffolds Enhanced Photogenerated Electron Transport in ZnO Photoanodes for High-Efficiency Dye-Sensitized Solar Cells. Journal of Physical Chemistry C, 2013, 117, 8619-8627.	1.5	69
38	Efficient perovskite solar cells <i>via</i> surface passivation by a multifunctional small organic ionic compound. Journal of Materials Chemistry A, 2020, 8, 8313-8322.	5.2	68
39	Tunable Electroluminescence in Planar Graphene/SiO ₂ Memristors. Advanced Materials, 2013, 25, 5593-5598.	11.1	67
40	General Synthetic Strategy for Libraries of Supported Multicomponent Metal Nanoparticles. ACS Nano, 2018, 12, 4594-4604.	7.3	66
41	<i>In situ</i> observation of nickel as an oxidizable electrode material for the solid-electrolyte-based resistive random access memory. Applied Physics Letters, 2013, 102, .	1.5	65
42	Structure-Property Relationships in Graphene-Based Strain and Pressure Sensors for Potential Artificial Intelligence Applications. Sensors, 2019, 19, 1250.	2.1	64
43	Vertically Aligned MoS ₂ with In-Plane Selectively Cleaved Mo–S Bond for Hydrogen Production. Nano Letters, 2021, 21, 1848-1855.	4.5	63
44	A facile approach for the synthesis of highly luminescent carbon dots using vitamin-based small organic molecules with benzene ring structure as precursors. RSC Advances, 2015, 5, 90245-90254.	1.7	60
45	Liquid-phase epitaxial growth of a homochiral MOF thin film on poly(<scp>l</scp> -DOPA) functionalized substrate for improved enantiomer separation. Chemical Communications, 2016, 52, 772-775.	2.2	60
46	Magnetic bionanoparticles of Penicillium sp. yz11-22N2 doped with Fe3O4 and encapsulated within PVA-SA gel beads for atrazine removal. Bioresource Technology, 2018, 260, 196-203.	4.8	60
47	Ligand ontrolled Formation and Photoluminescence Properties of CH ₃ NH ₃ PbBr ₃ Nanocubes and Nanowires. ChemNanoMat, 2017, 3, 303-310.	1.5	57
48	Interface Designing over WS ₂ /W ₂ C for Enhanced Hydrogen Evolution Catalysis. ACS Applied Energy Materials, 2018, 1, 3377-3384.	2.5	54
49	Thermo-mechanical correlation in two-dimensional materials. Nanoscale, 2021, 13, 1425-1442.	2.8	53
50	A high-performance flexible piezoelectric energy harvester based on lead-free (Na ₀ . ₅ Bi ₀ . ₅)TiO ₃ –BaTiO ₃ piezoelectric nanofibers. Journal of Materials Chemistry A, 2017, 5, 23634-23640.	5.2	48
51	Highly Sensitive and Flexible Tactile Sensor Based on Porous Graphene Sponges for Distributed Tactile Sensing in Monitoring Human Motions. Journal of Microelectromechanical Systems, 2019, 28, 154-163.	1.7	48
52	Characterization of atomic defects on the photoluminescence in twoâ€dimensional materials using transmission electron microscope. InformaÄnÃ-MateriĂ¡ly, 2019, 1, 85-97.	8.5	46
53	Ultracompact Si-GST Hybrid Waveguides for Nonvolatile Light Wave Manipulation. IEEE Photonics Journal, 2018, 10, 1-10.	1.0	45
54	Evidence for compliance controlled oxygen vacancy and metal filament based resistive switching mechanisms in RRAM. Microelectronic Engineering, 2011, 88, 1124-1128.	1.1	44

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55	Facile fabrication of paper-based flexible thermoelectric generator. Npj Flexible Electronics, 2021, 5, .	5.1	41
56	Atomically defined Co on two-dimensional TiO2 nanosheet for photocatalytic hydrogen evolution. Chemical Engineering Journal, 2021, 420, 127681.	6.6	40
57	Raman spectroscopy characterization of two-dimensional materials. Chinese Physics B, 2018, 27, 037802.	0.7	38
58	Evolution of Filament Formation in Ni/HfO ₂ /SiO <i>_x</i> /Siâ€Based RRAM Devices. Advanced Electronic Materials, 2015, 1, 1500130.	2.6	37
59	The Trend of 2D Transistors toward Integrated Circuits: Scaling Down and New Mechanisms. Advanced Materials, 2022, 34, e2201916.	11.1	37
60	Efficient removal of atrazine from aqueous solutions using magnetic Saccharomyces cerevisiae bionanomaterial. Applied Microbiology and Biotechnology, 2018, 102, 7597-7610.	1.7	35
61	A template-free method to synthesis high density iron single atoms anchored on carbon nanotubes for high temperature polymer electrolyte membrane fuel cells. Nano Energy, 2021, 80, 105534.	8.2	35
62	Asymmetric induction in homochiral MOFs: from interweaving double helices to single helices. Chemical Communications, 2015, 51, 16331-16333.	2.2	34
63	VSe2/carbon-nanotube compound for all solid-state flexible in-plane supercapacitor. Applied Physics Letters, 2019, 114, .	1.5	34
64	In situ interface engineering for probing the limit of quantum dot photovoltaic devices. Nature Nanotechnology, 2019, 14, 950-956.	15.6	30
65	A general and facile method for preparation of large-scale reduced graphene oxide films with controlled structures. Carbon, 2019, 143, 162-171.	5.4	30
66	Enhanced Removal of Hydrophobic Short-Chain <i>n</i> -Alkanes from Gas Streams in Biotrickling Filters in Presence of Surfactant. Environmental Science & Technology, 2022, 56, 10349-10360.	4.6	30
67	Sizeâ€Đependent Enantioselective Adsorption of Racemic Molecules through Homochiral Metal–Organic Frameworks Embedding Helicity. Chemistry - A European Journal, 2015, 21, 10236-10240.	1.7	29
68	Atomic Scale Modulation of Selfâ€Rectifying Resistive Switching by Interfacial Defects. Advanced Science, 2018, 5, 1800096.	5.6	29
69	Engineering hydrogels with homogeneous mechanical properties for controlling stem cell lineage specification. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	3.3	28
70	Subnanometer iron clusters confined in a porous carbon matrix for highly efficient zinc–air batteries. Nanoscale Horizons, 2020, 5, 359-365.	4.1	27
71	Comparative studies of redox behaviors of Pt–Co/SiO ₂ and Au–Co/SiO ₂ catalysts and their activities in CO oxidation. Catalysis Science and Technology, 2014, 4, 3151-3158.	2.1	26
72	Hotâ€Electrons Mediated Efficient Visibleâ€Light Photocatalysis of Hierarchical Black Au–TiO ₂ Nanorod Arrays on Flexible Substrate. Advanced Materials Interfaces, 2016, 3, 1600588.	1.9	26

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73	Repetitive-Avalanche-Induced Electrical Parameters Shift for 4H-SiC Junction Barrier Schottky Diode. IEEE Transactions on Electron Devices, 2015, 62, 601-605.	1.6	25
74	A flexible resistive temperature detector (RTD) based on in-situ growth of patterned Ag film on polyimide without lithography. Microelectronic Engineering, 2019, 216, 111052.	1.1	25
75	Chaotic phase code for radar pulse compression. , 0, , .		24
76	Uncorrelated multiple conductive filament nucleation and rupture in ultra-thin high-κ dielectric based resistive random access memory. Applied Physics Letters, 2011, 99, 093502.	1.5	24
77	Facile ion-exchange synthesis of silver films as flexible current collectors for micro-supercapacitors. Journal of Materials Chemistry A, 2015, 3, 21009-21015.	5.2	24
78	Raman mapping investigation of chemical vapor deposition-fabricated twisted bilayer graphene with irregular grains. Physical Chemistry Chemical Physics, 2014, 16, 21682-21687.	1.3	23
79	In Situ Dynamic Manipulation of Graphene Strain Sensor with Drastically Sensing Performance Enhancement. Advanced Electronic Materials, 2020, 6, 2000269.	2.6	23
80	Energy Band Alignment and Redoxâ€Active Sites in Metalloporphyrinâ€Spaced Metalâ€Catechol Frameworks for Enhanced CO ₂ Photoreduction. Angewandte Chemie - International Edition, 2022, 61, .	7.2	23
81	Recent advances in flexible sweat glucose biosensors. Journal Physics D: Applied Physics, 2021, 54, 423001.	1.3	22
82	In situ atomic-scale observation of monolayer graphene growth from SiC. Nano Research, 2018, 11, 2809-2820.	5.8	21
83	Probing and Manipulating the Interfacial Defects of InGaAs Dual‣ayer Metal Oxides at the Atomic Scale. Advanced Materials, 2018, 30, 1703025.	11.1	21
84	Oxygen-Soluble Gate Electrodes for Prolonged High-\$ kappa\$ Gate-Stack Reliability. IEEE Electron Device Letters, 2011, 32, 252-254.	2.2	20
85	Dual-Mode Sensor and Actuator to Learn Human-Hand Tracking and Grasping. IEEE Transactions on Electron Devices, 2019, 66, 5407-5410.	1.6	20
86	Physical analysis of breakdown in high-κ/metal gate stacks using TEM/EELS and STM for reliability enhancement (invited). Microelectronic Engineering, 2011, 88, 1365-1372.	1.1	19
87	Percolative Model and Thermodynamic Analysis of Oxygen-Ion-Mediated Resistive Switching. IEEE Electron Device Letters, 2012, 33, 712-714.	2.2	19
88	Raman Characterization on Two-Dimensional Materials-Based Thermoelectricity. Molecules, 2019, 24, 88.	1.7	19
89	Agglomeration and removal characteristics of fine particles from coal combustion under different turbulent flow fields. Journal of Environmental Sciences, 2020, 89, 113-124.	3.2	19
90	Analog Sensing and Computing Systems with Low Power Consumption for Gesture Recognition. Advanced Intelligent Systems, 2021, 3, 2000184.	3.3	19

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91	Aggregation mechanism of fine fly ash particles in uniform magnetic field. Korean Journal of Chemical Engineering, 2007, 24, 319-327.	1.2	18
92	ZnSeâ€Based Longitudinal Twinning Nanowires. Advanced Engineering Materials, 2014, 16, 459-465.	1.6	18
93	Polarization fluctuation behavior of lanthanum substituted Bi4Ti3O12 thin films. Journal of Applied Physics, 2015, 118, 104102.	1.1	18
94	Green tea (Camellia sinensis) aqueous extract alleviates postmenopausal osteoporosis in ovariectomized rats and prevents RANKL-induced osteoclastogenesis in vitro. Food and Nutrition Research, 2018, 62, .	1.2	18
95	HZIF-based hybrids for electrochemical energy applications. Nanoscale, 2019, 11, 15763-15769.	2.8	18
96	Iron-doped VSe2 nanosheets for enhanced hydrogen evolution reaction. Applied Physics Letters, 2020, 116, .	1.5	18
97	Construction of Hierarchical αâ€Fe ₂ O ₃ /SnO ₂ Nanoball Arrays with Superior Acetone Sensing Performance. Advanced Materials Interfaces, 2021, 8, 2001831.	1.9	18
98	Directly integrated mixedâ€dimensional van der Waals graphene/perovskite heterojunction for fast photodetection. InformaÄnÃ-Materiály, 2022, 4, .	8.5	18
99	A novel approach for CFAR processors design. , 0, , .		15
100	Ferromagnetic CoSe broadband photodetector at room temperature. Nanotechnology, 2020, 31, 374002.	1.3	15
101	Tuning Electrical and Optical Properties of MoSe ₂ Transistors via Elemental Doping. Advanced Materials Technologies, 2020, 5, 2000307.	3.0	15
102	Catenation of Homochiral Metal–Organic Nanocages or Nanotubes. Inorganic Chemistry, 2016, 55, 5095-5097.	1.9	14
103	A strategy using mesoporous polymer nanospheres as nanocarriers of Bcl-2 siRNA towards breast cancer therapy. Journal of Materials Chemistry B, 2019, 7, 477-487.	2.9	14
104	Design of Hybrid Zeolitic Imidazolate Frameworkâ€Derived Material with C–Mo–S Triatomic Coordination for Electrochemical Oxygen Reduction. Small, 2021, 17, e2003256.	5.2	14
105	Filamentation Mechanism of Resistive Switching in Fully Silicided High- \$kappa\$ Gate Stacks. IEEE Electron Device Letters, 2011, 32, 455-457.	2.2	13
106	Compliance current dominates evolution of NiSi2 defect size in Ni/dielectric/Si RRAM devices. Microelectronics Reliability, 2016, 61, 71-77.	0.9	13
107	Thicknessâ€Dependent Asymmetric Potential Landscape and Polarization Relaxation in Ferroelectric Hf <i>_x</i> Zr _{1â^'} <i>_x</i> O ₂ Thin Films through Interfacial Bound Charges. Advanced Electronic Materials, 2019, 5, 1900554.	2.6	13
108	Using post-breakdown conduction study in a MIS structure to better understand the resistive switching mechanism in an MIM stack. Nanotechnology, 2011, 22, 455702.	1.3	12

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109	RGO-Protected Electroless Plated Nickel Electrode with Enhanced Stability Performance for Flexible Micro-Supercapacitors. ACS Applied Energy Materials, 2018, 1, 7182-7190.	2.5	12
110	Substrates and interlayer coupling effects on Mo _{1â^'x} W _x Se ₂ alloys. Journal of Semiconductors, 2019, 40, 062005.	2.0	12
111	A Novel Flexible Silver Heater Fabricated by a Solution-Based Polyimide Metalization and Inkjet-Printed Carbon Masking Technique. ACS Applied Electronic Materials, 2019, 1, 928-935.	2.0	12
112	End-Bonded Contacts of Tellurium Transistors. ACS Applied Materials & Interfaces, 2021, 13, 7766-7772.	4.0	12
113	Atomistic Observation of the Local Phase Transition in MoTe ₂ for Application in Homojunction Photodetectors. Small, 2022, 18, e2200913.	5.2	12
114	Cu–Al intermetallic compound investigation using ex-situ post annealing and in-situ annealing. Microelectronics Reliability, 2015, 55, 2316-2323.	0.9	11
115	Synthesis of zeolite-like metal–organic frameworks via a dual-ligand strategy. CrystEngComm, 2017, 19, 2549-2552.	1.3	11
116	One-step synthesis of oxygen-deficient manganese dioxides sponge-like 3D architecture for high-performance supercapacitors. Journal of Alloys and Compounds, 2019, 809, 151790.	2.8	11
117	Top gate engineering of field-effect transistors based on wafer-scale two-dimensional semiconductors. Journal of Materials Science and Technology, 2022, 106, 243-248.	5.6	11
118	Two-Dimensional Layered Materials-Based Spintronics. Spin, 2015, 05, 1540011.	0.6	10
119	Highâ€performance flexible humidity sensors for breath detection and nonâ€touch switches. Nano Select, 2022, 3, 1168-1177.	1.9	10
120	Dynamic investigation of interface atom migration during heterostructure nanojoining. Nanoscale, 2014, 6, 405-411.	2.8	9
121	Synthesis and gas sorption properties of a homochiral metal–organic framework with octahedral cages. CrystEngComm, 2015, 17, 6107-6109.	1.3	9
122	Combined treatment with Dendrobium candidum and black tea extract promotes osteoprotective activity in ovariectomized estrogen deficient rats and osteoclast formation. Life Sciences, 2018, 200, 31-41.	2.0	9
123	A 10Ânm Short Channel MoS ₂ Transistor without the Resolution Requirement of Photolithography. Advanced Electronic Materials, 2021, 7, 2100543.	2.6	9
124	Engineering Top Gate Stack for Wafer-Scale Integrated Circuit Fabrication Based on Two-Dimensional Semiconductors. ACS Applied Materials & Interfaces, 2022, 14, 11610-11618.	4.0	9
125	Feasibility of SILC Recovery in Sub-10-à EOT Advanced Metal Gate–High-\$kappa\$ Stacks. IEEE Electron Device Letters, 2013, 34, 1053-1055.	2.2	8
126	Resilience of ultra-thin oxynitride films to percolative wear-out and reliability implications for high-κ stacks at low voltage stress. Journal of Applied Physics, 2013, 114, 094504.	1.1	8

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127	In Situ Interfacial Sublimation of Zn ₂ GeO ₄ Nanowire for Atomic-Scale Manufacturing. ACS Applied Nano Materials, 2020, 3, 4747-4754.	2.4	8
128	Synthesis and photocatalytic activities of two homochiral metal–organic frameworks with cages and hydrogen bonding helices. CrystEngComm, 2020, 22, 4206-4209.	1.3	8
129	Infrared Gesture Recognition System Based on Near-Sensor Computing. IEEE Electron Device Letters, 2021, 42, 1053-1056.	2.2	8
130	Pressure Sensor Array With Low-Power Near-Sensor CMOS Chip for Human Gait Monitoring. , 2021, 5, 1-4.		8
131	Direct Visualization of Breakdown-Induced Metal Migration in Enhanced Modified Lateral Silicon-Controlled Rectifiers. IEEE Transactions on Electron Devices, 2021, 68, 1378-1381.	1.6	8
132	In Situ Observation of Crystalline Silicon Growth from SiO ₂ at Atomic Scale. Research, 2019, 2019, 3289247.	2.8	8
133	Waterproof and Breathable Grapheneâ€Based Electronic Fabric for Wearable Sensors. Advanced Materials Technologies, 2022, 7, .	3.0	8
134	Simultaneous atomic-level visualization and high precision photocurrent measurements on photoelectric devices by <i>in situ</i> TEM. RSC Advances, 2018, 8, 948-953.	1.7	7
135	Experimental study on the magnetic characteristics of coal fly ash at different combustion temperatures. Environmental Technology (United Kingdom), 2018, 39, 1967-1975.	1.2	7
136	A hybrid zeolitic imidazolate framework-derived ZnO/ZnMoO ₄ heterostructure for electrochemical hydrogen production. Dalton Transactions, 2021, 50, 11365-11369.	1.6	7
137	NS-MD: Near-Sensor Motion Detection With Energy Harvesting Image Sensor for Always-On Visual Perception. IEEE Transactions on Circuits and Systems II: Express Briefs, 2021, 68, 3078-3082.	2.2	7
138	Grapheneâ€Based Hydrogel Strain Sensors with Excellent Breathability for Motion Detection and Communication. Macromolecular Materials and Engineering, 2022, 307, .	1.7	7
139	Universal route to fabricate facile and flexible micro-supercapacitors with gold-coated silver electrodes. RSC Advances, 2016, 6, 81936-81942.	1.7	6
140	Attapulgite suspension mitigates fine particulate matter (PM2.5) emission from coal combustion in fluidized bed. Journal of Environmental Management, 2018, 209, 245-253.	3.8	6
141	In Situ Interfacial Manipulation of Metastable States Between Nucleation and Decomposition of Single Bismuth Nanoparticle. Physica Status Solidi (B): Basic Research, 2019, 256, 1800442.	0.7	6
142	A novel gradient thermoelectric microwave power sensors based on GaAs MMIC technology. Microsystem Technologies, 2021, 27, 243-249.	1.2	6
143	VSe2 quantum dots with high-density active edges for flexible efficient hydrogen evolution reaction. Journal Physics D: Applied Physics, 2021, 54, 214006.	1.3	6
144	A revew of in situ transmission electron microscopy study on the switching mechanism and packaging reliability in non-volatile memory. Journal of Semiconductors, 2021, 42, 013102.	2.0	6

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145	The Trends of In Situ Focused Ion Beam Technology: Toward Preparing Transmission Electron Microscopy Lamella and Devices at the Atomic Scale. Advanced Electronic Materials, 2022, 8, .	2.6	6
146	Effect of low-frequency optical phonons on the thermal conductivity of <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:mn>2</mml:mn><mml:mi>Hmolybdenum disulfide. Physical Review B, 2022, 105, .</mml:mi></mml:mrow></mml:math 	mi> ₄/ı nml:	mræw>
147	Tailoring atomic 1T phase CrTe ₂ for in situ fabrication. Nanotechnology, 2022, 33, 085302.	1.3	5
148	Gamma-ray polarimetry of the Crab pulsar observed by <i>POLAR</i> . Monthly Notices of the Royal Astronomical Society, 2022, 512, 2827-2840.	1.6	5
149	High Throughput In–Situ Temperature Sensor Array with High Sensitivity and Excellent Linearity for Wireless Body Temperature Monitoring. Small Structures, 2022, 3, .	6.9	5
150	Sidelobe suppression using adaptive filtering techniques. , 0, , .		4
151	Complete mitochondrial genome of <i>Vaginulus alte</i> and <i>Homoiodoris japonica</i> . Mitochondrial DNA Part A: DNA Mapping, Sequencing, and Analysis, 2016, 27, 3454-3457.	0.7	4
152	Object Identification With Smart Glove Assembled by Pressure Sensors. , 2021, 5, 1-4.		4
153	Strain engineering and lattice vibration manipulation of atomically thin TaS ₂ films. RSC Advances, 2020, 10, 16718-16726.	1.7	4
154	Stacking monolayers at will: A scalable device optimization strategy for two-dimensional semiconductors. Nano Research, 2022, 15, 6620-6627.	5.8	4
155	Review of electrical stimulus methods of <i>in situ</i> transmission electron microscope to study resistive random access memory. Nanoscale, 2022, 14, 9542-9552.	2.8	4
156	Desulfurization in reducing atmosphere and ammonia injection denitrification in a coal-fired fluidized bed combustor with fly-ash recycle. Journal of Thermal Science, 1997, 6, 75-79.	0.9	3
157	Experimental Study on Capture of PM10 Emitted from Coal Combustion with High Gradient Magnetic Field. AIP Conference Proceedings, 2007, , .	0.3	3
158	Nonlinear Image Reconstruction Using a GA-ECT Technique in Electrical Capacitance Tomography. AIP Conference Proceedings, 2007, , .	0.3	3
159	The Relationship between Regional Gray Matter Volume of Social Exclusion Regions and Personal Self-Esteem Is Moderated by Collective Self-Esteem. Frontiers in Psychology, 2017, 8, 1989.	1.1	3
160	Printable and Flexible Planar Silver Electrodes-Based Resistive Switching Sensory Array. Frontiers in Sensors, 2020, 1, .	1.7	3
161	Role of Optical Phonons in Bulk Molybdenum Diselenide Thermal Properties Probed by Advanced Raman Spectroscopy. Physica Status Solidi (B): Basic Research, 2020, 257, 2000251.	0.7	3
162	CVD-Grown 2D Nonlayered NiSe as a Broadband Photodetector. Micromachines, 2021, 12, 1066.	1.4	3

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163	Asymmetric metal–organic frameworks with double helices for enantioselective recognition. CrystEngComm, 2021, 23, 4748-4751.	1.3	3
164	Energy Band Alignment and Redoxâ€Active Sites in Metalloporphyrinâ€Spaced Metalâ€Catechol Frameworks for Enhanced CO ₂ Photoreduction. Angewandte Chemie, 2022, 134, .	1.6	3
165	Underwater contactless wet-mateable connector using bowl-shaped coils. Journal of Power Electronics, 2022, 22, 1176-1187.	0.9	3
166	Dielectric breakdown — Recovery in logic and resistive switching in memory — Bridging the gap between the two phenomena. , 2012, , .		2
167	The neural basis of impossible figures: Evidence from an fMRI study of the two-pronged trident. Neuroscience Letters, 2012, 508, 17-21.	1.0	2
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