Bai Sun

List of Publications by Year
in descending order

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192 papers	6,277 citations	47 h-index	65 g-index
		47006	106344
200 all docs	200 docs citations	200 times ranked	5048 citing authors

#	Article	IF	Citations
1	Current commercial dPCR platforms: technology and market review. Critical Reviews in Biotechnology, 2023, 43, 433-464.	9.0	33
2	VETAM-M: A General Model for Voltage-Controlled Memcapacitive-Coupled Memristors. IEEE Transactions on Circuits and Systems II: Express Briefs, 2022, 69, 1717-1721.	3.0	3
3	Surface Nitridation of PdCu Nanosheets to Promote Charge Transfer and Suppress CO Poisoning toward Ethanol Electrooxidation. Advanced Materials Interfaces, 2022, 9, .	3.7	26
4	Ubiquitous clean and sustainable energy-driven self-rechargeable batteries realized by and used in organic electronics. Journal of Materials Chemistry C, 2022, 10, 388-412.	5.5	9
5	Versatile memristor for memory and neuromorphic computing. Nanoscale Horizons, 2022, 7, 299-310.	8.0	38
6	A novel 2D porous C₃N₂ framework as a promising anode material with ultra-high specific capacity for lithium-ion batteries. Journal of Materials Chemistry A, 2022, 10, 6551-6559.	10.3	22
7	Volatile and Nonvolatile Memristive Devices for Neuromorphic Computing. Advanced Electronic Materials, 2022, 8, .	5.1	94
8	Controllable Synthesis of Webâ€Footed PdCu Nanosheets and Their Electrocatalytic Applications. Small, 2022, 18, e2107623.	10.0	62
9	Applications of biomemristors in next generation wearable electronics. Nanoscale Horizons, 2022, 7, 822-848.	8.0	19
10	Biomemristors-based synaptic devices for artificial intelligence applications. Organic Electronics, 2022, 106, 106540.	2.6	15
11	Analog-to-digital and self-rectifying resistive switching behavior based on flower-like Î´-MnO2. Applied Surface Science, 2022, 595, 153560.	6.1	15
12	Multi-factor-controlled ReRAM devices and their applications. Journal of Materials Chemistry C, 2022, 10, 8895-8921.	5.5	22
13	ZnO nanowire arrays with in situ sequentially self-assembled vertically oriented CdS nanosheets as superior photoanodes for photoelectrochemical water splitting. Sustainable Energy and Fuels, 2022, 6, 3240-3248.	4.9	8
14	Detection of calcium homogeneity distribution in magnesia-aluminum spinel using laser-induced breakdown spectroscopy. Ceramics International, 2022, 48, 27597-27604.	4.8	2
15	Investigation of multi-photoconductance state induced by light-sensitive defect in TiOx-based memristor. Applied Physics Letters, 2022, 120, .	3.3	18
16	Soft Biomaterials Based Flexible Artificial Synapse for Neuromorphic Computing. Advanced Electronic Materials, 2022, 8, .	5.1	8
17	2D auxetic material with intrinsic ferromagnetism: a copper halide (CuCl₂) monolayer. Physical Chemistry Chemical Physics, 2021, 23, 22078-22085.	2.8	7
18	Research progress of neuromorphic computation based on memcapacitors. Wuli Xuebao/Acta Physica Sinica, 2021, 70, 078701.	0.5	3

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19	ABO₃multiferroic perovskite materials for memristive memory and neuromorphic computing. Nanoscale Horizons, 2021, 6, 939-970.	8.0	79
20	A Battery-Like Self-Selecting Biomemristor from Earth-Abundant Natural Biomaterials. ACS Applied Bio Materials, 2021, 4, 1976-1985.	4.6	30
21	Electrocatalytic Hydrolysisâ€Modulated Multistate Resistive Switching Behaviors in Memristors. Physica Status Solidi (A) Applications and Materials Science, 2021, 218, 2000655.	1.8	5
22	Enhanced photochemical properties of S-doped ZnO half-arc mesoporous superstructured nanowires. Journal of Photochemistry and Photobiology A: Chemistry, 2021, 409, 113135.	3.9	5
23	Multistate resistive switching behaviors for neuromorphic computing in memristor. Materials Today Advances, 2021, 9, 100125.	5.2	33
24	A True Random Number Generator Based on Ionic Liquid Modulated Memristors. ACS Applied Electronic Materials, 2021, 3, 2380-2388.	4.3	17
25	Synaptic devices based neuromorphic computing applications in artificial intelligence. Materials Today Physics, 2021, 18, 100393.	6.0	110
26	Negative Photoconductance Effect: An Extension Function of the TiO_xâ€Based Memristor. Advanced Science, 2021, 8, 2003765.	11.2	94
27	Refining the Negative Differential Resistance Effect in a TiO_x-Based Memristor. Journal of Physical Chemistry Letters, 2021, 12, 5377-5383.	4.6	41
28	Leukocytosis induced by tigecycline in two patients with severe acute pancreatitis. British Journal of Biomedical Science, 2021, 78, 1-4.	1.3	1
29	Synergistic performance of nitrogen and sulfur co-doped Ti3C2TX for electrohydrogenation of N2 to NH3. Journal of Alloys and Compounds, 2021, 869, 159335.	5.5	16
30	Design and modulation of two-dimensional Dirac materials in beryllium/boron-based binary monolayers. Computational Materials Science, 2021, 199, 110727.	3.0	2
31	An analogue memristor made of silk fibroin polymer. Journal of Materials Chemistry C, 2021, 9, 14583-14588.	5.5	22
32	Ionic liquid in situ functionalized carbon nanotubes as metal-free catalyst for efficient electrocatalytic hydrogen evolution reaction. Nanoscale, 2021, 13, 4444-4450.	5.6	22
33	Synthesis of Palladiumâ€“Tungsten Metallene-Constructed Sandwich-Like Nanosheets as Bifunctional Catalysts for Direct Formic Acid Fuel Cells. ACS Applied Energy Materials, 2021, 4, 12336-12344.	5.1	15
34	Adjustable Leaky-Integrate-and-fire neurons based on memristor-coupled capacitors. Materials Today Advances, 2021, 12, 100192.	5.2	15
35	Mechanism and Application of Capacitive-Coupled Memristive Behavior Based on a Biomaterial Developed Memristive Device. ACS Applied Electronic Materials, 2021, 3, 5537-5547.	4.3	7
36	miR-191 is involved in renal dysfunction in arsenic-exposed populations by regulating inflammatory response caused by arsenic from burning arsenic-contaminated coal. Human and Experimental Toxicology, 2020, 39, 37-46.	2.2	14

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37	Non-zero-crossing current-voltage hysteresis behavior induced by capacitive effects in bio-memristor. Journal of Colloid and Interface Science, 2020, 560, 565-571.	9.4	41
38	Surface tuning of the photoelectrochemical properties of oblique angle co-sputtered ZnxFeyO films by Fe concentration. Ceramics International, 2020, 46, 8884-8890.	4.8	1
39	Capacitive effect: An original of the resistive switching memory. Nano Energy, 2020, 68, 104386.	16.0	102
40	The pH-controlled memristive effect in a sustainable bioelectronic device prepared using lotus root. Materials Today Sustainability, 2020, 7-8, 100029.	4.1	16
41	Self-Powered Memory Systems. , 2020, 2, 1669-1690.		15
42	From Memristive Materials to Neural Networks. ACS Applied Materials & Interfaces, 2020, 12, 54243-54265.	8.0	56
43	Understanding Excitonic Behavior in Light Absorption and Recombination Process. Journal of Physical Chemistry C, 2020, 124, 26076-26082.	3.1	19
44	Layered and Heterostructured Pd/PdWCr Sheetâ€Assembled Nanoflowers as Highly Active and Stable Electrocatalysts for Formic Acid Oxidation. Advanced Functional Materials, 2020, 30, 2003933.	14.9	81
45	Three-Dimensional Ni Foam-Supported CoO Nanoparticles/N-Doped Carbon Multilayer Nanocomposite Electrode for Oxygen Evolution. ACS Applied Nano Materials, 2020, 3, 11416-11425.	5.0	6
46	Passive Filters for Nonvolatile Storage Based on Capacitive-Coupled Memristive Effects in Nanolayered Organicâ€“Inorganic Heterojunction Devices. ACS Applied Nano Materials, 2020, 3, 5045-5052.	5.0	18
47	Biomemristors as the next generation bioelectronics. Nano Energy, 2020, 75, 104938.	16.0	110
48	Weak polyelectrolyte-based multilayers via layer-by-layer assembly: Approaches, properties, and applications. Advances in Colloid and Interface Science, 2020, 282, 102200.	14.7	72
49	Memristive effect with non-zero-crossing current-voltage hysteresis behavior based on Ag doped Lophatherum gracile Brongn. Current Applied Physics, 2020, 20, 545-549.	2.4	12
50	A high-efficiency electrocatalyst for hydrogen evolution based on tree-like amorphous MoS2 nanostructures prepared by glancing angle deposition. Journal of Solid State Chemistry, 2020, 286, 121255.	2.9	9
51	Nonâ€“zero-crossing current-voltage hysteresis behavior in memristive system. Materials Today Advances, 2020, 6, 100056.	5.2	37
52	Tannic Acid-Mediated In Situ Controlled Assembly of NiFe Alloy Nanoparticles on Pristine Graphene as a Superior Oxygen Evolution Catalyst. ACS Applied Energy Materials, 2020, 3, 3966-3977.	5.1	29
53	Mechanism analysis of a flexible organic memristive memory with capacitance effect and negative differential resistance state. APL Materials, 2019, 7, .	5.1	51
54	A Unified Capacitive-Coupled Memristive Model for the Nonpinched Currentâ€“Voltage Hysteresis Loop. Nano Letters, 2019, 19, 6461-6465.	9.1	128

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55	Identifying the Ground-State NP Sheet through a Global Structure Search in Two-Dimensional Space and Its Promising High-Efficiency Photovoltaic Properties. , 2019, 1, 375-382.		26
56	An excellent soft magnetic Fe/Fe3O4-FeSiAl composite with high permeability and low core loss. Results in Physics, 2019, 14, 102498.	4.1	35
57	Resistive switching behaviors and memory logic functions in single MnO_x nanorod modulated by moisture. Chemical Communications, 2019, 55, 9915-9918.	4.1	51
58	Morphology evolution and photocatalytic applications of W-doped Bi2O3 films prepared using unique oblique angle co-sputtering technology. Ceramics International, 2019, 45, 21968-21974.	4.8	24
59	Ion reaction tunable ON/OFF ratio of vertically oriented Zn-Al layered-double-hydroxide nanosheets based memristor. Materials Today Communications, 2019, 20, 100573.	1.9	6
60	Perforated Pd Nanosheets with Crystalline/Amorphous Heterostructures as a Highly Active Robust Catalyst toward Formic Acid Oxidation. Small, 2019, 15, e1904245.	10.0	81
61	Pristineâ€Grapheneâ€Supported Nitrogenâ€Doped Carbon Selfâ€Assembled from Glucaminiumâ€Based Ionic Liquids as Metalâ€Free Catalyst for Oxygen Evolution. ChemSusChem, 2019, 12, 5041-5050.	6.8	25
62	Mechanism analysis of switching direction transformation in an Er2O3 based RRAM device. Current Applied Physics, 2019, 19, 1421-1426.	2.4	7
63	Evolution map of the memristor: from pure capacitive state to resistive switching state. Nanoscale, 2019, 11, 17222-17229.	5.6	45
64	An excellent resistive switching memory behaviour based on assembled MoSe2 nanosphere arrays. Journal of Solid State Chemistry, 2019, 279, 120975.	2.9	10
65	Environmental factors controlled resistive switching memory behavior based on BiFeO3/Cu2ZnSnSe4 heterojunction. Results in Physics, 2019, 13, 102308.	4.1	9
66	Tunneling of photon-generated carrier in the interface barrier induced resistive switching memory behaviour. Journal of Colloid and Interface Science, 2019, 553, 682-687.	9.4	16
67	pH-Modulated memristive behavior based on an edible garlic-constructed bio-electronic device. New Journal of Chemistry, 2019, 43, 9634-9640.	2.8	33
68	Artificial and wearable albumen protein memristor arrays with integrated memory logic gate functionality. Materials Horizons, 2019, 6, 1877-1882.	12.2	116
69	Effect of crystalline state on conductive filaments forming process in resistive switching memory devices. Materials Today Communications, 2019, 20, 100540.	1.9	6
70	Resistive switching memory integrated with amorphous carbon-based nanogenerators for self-powered device. Nano Energy, 2019, 63, 103793.	16.0	111
71	A Bio-memristor with Overwhelming Capacitance Effect. Electronic Materials Letters, 2019, 15, 547-554.	2.2	11
72	An excellent pH-controlled resistive switching memory device based on self-colored (C₇H₇O₄N)_n extracted from a lichen plant. Journal of Materials Chemistry C, 2019, 7, 7593-7600.	5.5	31

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73	Ultrahigh-pressure induced decomposition of silicon disulfide into silicon-sulfur compounds with high coordination numbers. Physical Review B, 2019, 99, .	3.2	10
74	A sustainable biomemristive memory device based on natural collagen. Materials Today Chemistry, 2019, 13, 18-24.	3.5	25
75	A sustainable resistive switching memory device based on organic keratin extracted from hair. RSC Advances, 2019, 9, 12436-12440.	3.6	32
76	Investigation of a submerging redox behavior in Fe2O3 solid electrolyte for resistive switching memory. Applied Physics Letters, 2019, 114, .	3.3	78
77	Existence of Resistive Switching Memory and Negative Differential Resistance State in Self-Colored MoS₂/ZnO Heterojunction Devices. ACS Applied Electronic Materials, 2019, 1, 318-324.	4.3	51
78	Two-dimensional Blue-AsP monolayers with tunable direct band gap and ultrahigh carrier mobility show promising high-performance photovoltaic properties. Nanoscale, 2019, 11, 8260-8269.	5.6	70
79	Polymer-Mediated Self-Assembly of Amorphous Metalâ€“Organic Complexes toward Fabrication of Three-Dimensional Graphene Supported CoP Nanoparticle-Embedded N-Doped Carbon as a Superior Hydrogen Evolution Catalyst. ACS Applied Energy Materials, 2019, 2, 8851-8861.	5.1	30
80	A nonvolatile organic resistive switching memory based on lotus leaves. Chemical Physics, 2019, 516, 168-174.	1.9	57
81	The pressure-induced chemical structures and properties trend for compressed iron-boride compounds. Journal of Physics and Chemistry of Solids, 2019, 127, 238-244.	4.0	7
82	Nanorod Array of SnO₂ Quantum Dot Interspersed Multiphase TiO₂ Heterojunctions with Highly Photocatalytic Water Splitting and Self-Rechargeable Battery-Like Applications. ACS Applied Materials & Interfaces, 2019, 11, 2071-2081.	8.0	48
83	Twisted palladium-copper nanochains toward efficient electrocatalytic oxidation of formic acid. Journal of Colloid and Interface Science, 2019, 537, 366-374.	9.4	68
84	Pressure induced structural phase of lithium disulfide with a close to intermediate product character of lithium-sulfur battery. Journal of Alloys and Compounds, 2019, 778, 588-592.	5.5	6
85	Photo-induced negative differential resistance in a resistive switching memory device based on BiFeO3/ZnO heterojunctions. Applied Materials Today, 2019, 14, 21-28.	4.3	76
86	Binder and conductive additive-free NiO nanorod electrodes prepared by the sputtering method for Li-ion battery anodes with an ultra-long life cycle. Journal of Solid State Chemistry, 2019, 269, 132-137.	2.9	17
87	A flexible nonvolatile resistive switching memory device based on ZnO film fabricated on a foldable PET substrate. Journal of Colloid and Interface Science, 2018, 520, 19-24.	9.4	59
88	Origin of a continuously enlarge memristor effect in Nb inserted into MgB 2 multilayer constructed heterojunctions. Vacuum, 2018, 151, 261-265.	3.5	10
89	Effect of Joule heating current on phase formation and superconducting properties based on Nb3Al for applications in nuclear fusion magnet energy. Journal of Alloys and Compounds, 2018, 742, 130-134.	5.5	16
90	Improved Rate and Cycling Performances of Electrodes Based on BiFeO₃ Nanoflakes by Compositing with Organic Pectin for Advanced Rechargeable Na-Ion Batteries. ACS Applied Nano Materials, 2018, 1, 1291-1299.	5.0	34

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91	Coexistence of Negative Differential Resistance and Resistive Switching Memory at Room Temperature in TiO_x Modulated by Moisture. Advanced Electronic Materials, 2018, 4, 1700567.	5.1	147
92	Multi-stage switching phenomenon in ultra-thin Ag films embedded into SrCoO3 multilayer films constructed resistive switching memory devices. Functional Materials Letters, 2018, 11, 1850038.	1.2	7
93	A resistance ratio change phenomenon observed in Al doped ZnO (AZO)/Cu(In 1-x Ga x)Se 2 /Mo resistive switching memory device. Applied Surface Science, 2018, 433, 535-539.	6.1	15
94	From dead leaves to sustainable organic resistive switching memory. Journal of Colloid and Interface Science, 2018, 513, 774-778.	9.4	72
95	The interface superconductivity of Bi2Se3/Feâ€“Se heterostructure. International Journal of Modern Physics B, 2018, 32, 1850355.	2.0	2
96	The redox of hydroxyl-assisted metallic filament induced resistive switching memory based on a biomaterial-constructed sustainable and environment-friendly device. Materials Today Chemistry, 2018, 10, 167-174.	3.5	20
97	From natural biomaterials to environment-friendly and sustainable nonvolatile memory device. Chemical Physics, 2018, 513, 7-12.	1.9	23
98	Effect of anodic oxidation time on resistive switching memory behavior based on amorphous TiO2 thin films device. Chemical Physics Letters, 2018, 706, 477-482.	2.6	34
99	A resistive switching memory device with a negative differential resistance at room temperature. Applied Physics Letters, 2018, 113, .	3.3	41
100	Overwhelming coexistence of negative differential resistance effect and RRAM. Physical Chemistry Chemical Physics, 2018, 20, 20635-20640.	2.8	57
101	Influence of the voltage window on resistive switching memory characteristics based on g-C3N4 device. Ceramics International, 2018, 44, 18108-18112.	4.8	15
102	Metal Ions Redox Induced Repeatable Nonvolatile Resistive Switching Memory Behavior in Biomaterials. ACS Applied Bio Materials, 2018, 1, 496-501.	4.6	47
103	A persistently increasing resistance ratio and repeatable non-volatile memory in AZO/CZTSe/FTO resistive switching devices. Functional Materials Letters, 2018, 11, 1850023.	1.2	2
104	Photo-Induced Multiple-State Memory Behaviour in Non-Volatile Bipolar Resistive-Switching Devices. Journal of Nanoscience and Nanotechnology, 2018, 18, 2650-2656.	0.9	2
105	Tunneling of carrier at the interface barrier induced nonvolatile resistive switching memory behaviors. Materials Today Communications, 2018, 16, 164-168.	1.9	5
106	Effect of Electrode Materials on Nonvolatile Resistive Switching Memory Behaviors of Metal/In2S3/Mo/Glass Devices. Journal of Electronic Materials, 2018, 47, 5417-5421.	2.2	4
107	Photoelectric properties of BiFeO3-BaTiO3 granular films. Scientia Sinica: Physica, Mechanica Et Astronomica, 2018, 48, 107001.	0.4	0
108	Preparation of Sm1â^'Ca BiO3 buffer layers for coated conductor by polymer-assisted chemical solution deposition. Journal of Alloys and Compounds, 2017, 695, 3360-3363.	5.5	3

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109	Bipolar resistive switching memory behaviors of the micro-size composite particles. Composite Structures, 2017, 166, 177-183.	5.8	17
110	Simple sol-gel method synthesis of 3-dimension Li4Ti5O12-TiO2 nanostructures using butterfly wings as biotemplates for high rate performance lithium-ion batteries. Journal of Alloys and Compounds, 2017, 705, 58-63.	5.5	38
111	Modification of Bi₂WO₆ composites with rGO for enhanced visible light driven NO removal. Asia-Pacific Journal of Chemical Engineering, 2017, 12, 121-127.	1.5	9
112	Controlled self-assembly of Ni foam supported poly(ethyleneimine)/reduced graphene oxide three-dimensional composite electrodes with remarkable synergistic effects for efficient oxygen evolution. Journal of Materials Chemistry A, 2017, 5, 1201-1210.	10.3	38
113	Effect of temperature on the magnetism and memristive memory behavior of MoSe 2 nanosheets. Materials Letters, 2017, 202, 13-16.	2.6	19
114	Ag filament induced nonvolatile resistive switching memory behaviour in hexagonal MoSe2 nanosheets. Journal of Colloid and Interface Science, 2017, 505, 148-153.	9.4	32
115	An organic nonvolatile resistive switching memory device fabricated with natural pectin from fruit peel. Organic Electronics, 2017, 42, 181-186.	2.6	119
116	Synthesis of Cobalt Phosphide Nanoparticles Supported on Pristine Graphene by Dynamically Selfâ€Assembled Graphene Quantum Dots for Hydrogen Evolution. ChemSusChem, 2017, 10, 1014-1021.	6.8	42
117	Metal ion formed conductive filaments by redox process induced nonvolatile resistive switching memories in MoS 2 film. Applied Surface Science, 2017, 426, 812-816.	6.1	50
118	Diethylenetriamine-mediated self-assembly of three-dimensional hierarchical nanoporous CoP nanoflowers/pristine graphene interconnected networks as efficient electrocatalysts toward hydrogen evolution. Sustainable Energy and Fuels, 2017, 1, 2172-2180.	4.9	35
119	Light regulated Iâ€“V hysteresis loop of Ag/BiFeO3/FTO thin film. Applied Surface Science, 2017, 393, 325-329.	6.1	16
120	A larger nonvolatile bipolar resistive switching memory behaviour fabricated using eggshells. Current Applied Physics, 2017, 17, 235-239.	2.4	33
121	Effect of Cu ions assisted conductive filament on resistive switching memory behaviors in ZnFe2O4-based devices. Journal of Alloys and Compounds, 2017, 694, 464-470.	5.5	52
122	Light-modulated resistive switching memory behavior in ZnO/BaTiO₃/ZnO multilayer. Modern Physics Letters B, 2016, 30, 1650141.	1.9	3
123	Investigation of the behaviour of electronic resistive switching memory based on MoSe2-doped ultralong Se microwires. Applied Physics Letters, 2016, 109, .	3.3	86
124	An optoelectronic resistive switching memory behavior of Ag/Î±-SnWO4/FTO device. Journal of Alloys and Compounds, 2016, 681, 516-521.	5.5	17
125	Controllably self-assembled graphene-supported Au@Pt bimetallic nanodendrites as superior electrocatalysts for methanol oxidation in direct methanol fuel cells. Journal of Materials Chemistry A, 2016, 4, 7352-7364.	10.3	57
126	Biomassâ€Derived Hierarchical Nanoporous Carbon with Rich Functional Groups for Directâ€Electronâ€Transferâ€Based Glucose Sensing. ChemElectroChem, 2016, 3, 144-151.	3.4	26

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127	Development of a nanosphere adsorbent for the removal of fluoride from water. Journal of Colloid and Interface Science, 2016, 475, 17-25.	9.4	44
128	CoP Nanoparticles in Situ Grown in Three-Dimensional Hierarchical Nanoporous Carbons as Superior Electrocatalysts for Hydrogen Evolution. ACS Applied Materials & Interfaces, 2016, 8, 20720-20729.	8.0	67
129	Unique Coâ€Catalytic Behavior of Protic Ionic Liquids as Multifunctional Electrolytes for Water Splitting. ChemElectroChem, 2016, 3, 204-208.	3.4	8
130	Lightâ€Controlled Simultaneous Resistive and Ferroelectricity Switching Effects of BiFeO₃ Film for a Flexible Multistate Highâ€Storage Memory Device. ChemElectroChem, 2016, 3, 896-901.	3.4	34
131	Band gap energies for white nanosheets/yellow nanoislands/purple nanorods of CeO₂. RSC Advances, 2016, 6, 59370-59374.	3.6	21
132	Light enhanced resistive switching in BaTiO3/CoFeB/BaTiO3 structure. Functional Materials Letters, 2016, 09, 1650052.	1.2	3
133	Effect of visible-light illumination on resistive switching characteristics in Ag/Ce2W3O12/FTO devices. Chemical Physics Letters, 2016, 643, 66-70.	2.6	11
134	Effective removal of fluoride by porous MgO nanoplates and its adsorption mechanism. Journal of Alloys and Compounds, 2016, 675, 292-300.	5.5	103
135	Photoelectricity properties of BaTiO₃/Î³-Fe₂O₃composite granular film. Materials Technology, 2016, 31, 48-52.	3.0	1
136	Preparation of MoSe2 nano-islands array embedded in a TiO2 matrix for photo-regulated resistive switching memory. Journal of Alloys and Compounds, 2016, 664, 619-625.	5.5	30
137	Ionic liquid functionalized carbon nanotubes: metal-free electrocatalyst for hydrogen evolution reaction. RSC Advances, 2016, 6, 12792-12796.	3.6	21
138	Two-bit memory and quantized storage phenomenon in conventional MOS structures with double-stacked Pt-NCs in an HfAlO matrix. Physical Chemistry Chemical Physics, 2016, 18, 6509-6514.	2.8	26
139	Polymer-Mediated Self-Assembly of TiO₂@Cu₂O Coreâ€“Shell Nanowire Array for Highly Efficient Photoelectrochemical Water Oxidation. ACS Applied Materials & Interfaces, 2016, 8, 6082-6092.	8.0	105
140	High performance white-light-controlled resistance switching memory of an Ag/Î±-Fe₂O₃/FTO thin film. RSC Advances, 2016, 6, 25028-25033.	3.6	10
141	Facile one-pot surfactant-free synthesis of uniform Pd₆Co nanocrystals on 3D graphene as an efficient electrocatalyst toward formic acid oxidation. Nanoscale, 2016, 8, 1905-1909.	5.6	52
142	Nonvolatile bio-memristor fabricated with natural bio-materials from spider silk. Journal of Materials Science: Materials in Electronics, 2016, 27, 3957-3962.	2.2	34
143	Resistive switching memory of single BiMnO3+Î´ nanorods. Journal of Materials Science: Materials in Electronics, 2016, 27, 512-516.	2.2	7
144	White-light-controlled resistive switching chearacteristics of TiO 2 /Cu 2 O composite nanorods array. Chemical Physics, 2015, 457, 28-31.	1.9	20

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145	Preparation and light-controlled resistive switching memory behavior of CuCr2O4. Journal of Sol-Gel Science and Technology, 2015, 75, 664-669.	2.4	13
146	Photo-regulated magnetism and photoferroelectric effect in BiFeO3 nanoribbons at room temperature. Scripta Materialia, 2015, 105, 26-29.	5.2	12
147	The DNA strand assisted conductive filament mechanism for improved resistive switching memory. Journal of Materials Chemistry C, 2015, 3, 12149-12155.	5.5	82
148	Resistive switching memory characteristics of single MoSe2 nanorods. Chemical Physics Letters, 2015, 638, 103-107.	2.6	30
149	Hydrothermal Preparation and White-Light-Controlled Resistive Switching Behavior of BaWO4 Nanospheres. Nano-Micro Letters, 2015, 7, 80-85.	27.0	32
150	Resistive switching of multiferroic BiCoO₃ nanoflowers. Functional Materials Letters, 2015, 08, 1550001.	1.2	9
151	Photoinduced p-Type Conductivity in n-Type ZnO. Journal of Electronic Materials, 2015, 44, 1003-1007.	2.2	2
152	Wide pH range for fluoride removal from water by MHS-MgO/MgCO3 adsorbent: Kinetic, thermodynamic and mechanism studies. Journal of Colloid and Interface Science, 2015, 446, 194-202.	9.4	62
153	Magnetic-field and white-light controlled resistive switching behaviors in Ag/[BiFeO3/Î³-Fe2O3]/FTO device. RSC Advances, 2015, 5, 13513-13518.	3.6	72
154	Resistive switching effect of Ag/MoS₂/FTO device. Functional Materials Letters, 2015, 08, 1550010.	1.2	31
155	Controlled synthesis and room-temperature ferromagnetism of CaWO4 nanostructures. Journal of Alloys and Compounds, 2015, 653, 95-99.	5.5	9
156	Significance of wall number on the carbon nanotube support-promoted electrocatalytic activity of Pt NPs towards methanol/formic acid oxidation reactions in direct alcohol fuel cells. Journal of Materials Chemistry A, 2015, 3, 1961-1971.	10.3	47
157	Efficient removal of fluoride by hierarchical MgO microspheres: Performance and mechanism study. Applied Surface Science, 2015, 357, 1080-1088.	6.1	60
158	Photo-electron double regulated resistive switching memory behaviors of Ag/CuWO4/FTO device. Solid State Communications, 2015, 223, 1-5.	1.9	6
159	Resistive Switching Effect Enhanced by Illumination in Ag/GeO2/FTO Device. Nanoscience and Nanotechnology Letters, 2015, 7, 406-410.	0.4	2
160	White-light-controlled resistive switching and photovoltaic effects in TiO2/ZnO composite nanorods array at room temperature. Journal of Materials Science: Materials in Electronics, 2014, 25, 4306-4311.	2.2	19
161	Difference in Molecular Composition of the Carbon Disulfide/Acetone-extractable Fraction between Xilinhaote Lignite and Geting Bituminous Coal. Energy Sources, Part A: Recovery, Utilization and Environmental Effects, 2014, 36, 2651-2659.	2.3	1
162	Roomâ€temperature ferromagnetism of singleâ€crystalline MoS ₂ nanowires. Micro and Nano Letters, 2014, 9, 468-470.	1.3	12

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163	Light-controlled resistive switching of ZnWO4 nanowires array. AIP Advances, 2014, 4, .	1.3	13
164	Perpendicular coercive force of thick CoFeB thin films grown on silicon substrate. Materials Letters, 2014, 123, 221-223.	2.6	16
165	White-light-controlled resistance switching in TiO2/Î±-Fe2O3 composite nanorods array. Journal of Nanoparticle Research, 2014, 16, 1.	1.9	18
166	Superior resistive switching behaviors of FeWO4 single-crystalline nanowires array. Chemical Physics Letters, 2014, 604, 127-130.	2.6	26
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