Yichun Liu

List of Publications by Year in Descending Order

558 papers	28,393 citations	79 h-index	147 g-index
568 ext. papers	31,200 ext. citations	5.7 avg, IF	7.21 L-index

#	Paper	IF	Citations
558	Synchronous-ultrahigh conductive-reactive N-atoms doping strategy of carbon nanofibers networks for high-performance flexible energy storage. *Energy Storage Materials*, **2022**, 44, 250-262	19.4	6
557	Recent progress in optoelectronic memristive devices for in-sensor computing. *Wuli Xuebao/Acta Physica Sinica*, **2022**,	0.6	1
556	Pavlovian conditioning achieved via one-transistor/one-resistor memristive synapse. *Applied Physics Letters*, **2022**, 120, 133503	3.4	1
555	High-Mobility Fungus-Triggered Biodegradable Ultraflexible Organic Transistors.. *Advanced Science*, **2022**, e2105125	13.6	0
554	Highly permeable WO3/CuWO4 heterostructure with 3D hierarchical porous structure for high-sensitive room-temperature visible-light driven gas sensor. *Sensors and Actuators B: Chemical*, **2022**, 365, 131926	8.5	2
553	Three-dimensional porous CuFe2O4 for visible-light-driven peroxymonosulfate activation with superior performance for the degradation of tetracycline hydrochloride. *Chemical Engineering Journal*, **2022**, 445, 136616	14.7	1
552	Conductance Quantization in CH3NH3PbI3 Memristor. *IEEE Electron Device Letters*, **2022**, 1-1	4.4	0
551	Natural Acidic Polysaccharide-Based Memristors for Transient Electronics: Highly Controllable Quantized Conductance for Integrated Memory and Nonvolatile Logic Applications.. *Advanced Materials*, **2021**, 33, e2104023	24	4
550	Anchoring bismuth oxybromo-iodide solid solutions on flexible electrospun polyacrylonitrile nanofiber mats for floating photocatalysis. *Journal of Colloid and Interface Science*, **2021**, 608, 3178-3178	9.3	2
549	Highly Photoluminescent Monolayer MoS2 and WS2 Achieved via Superacid Assisted Vacancy Reparation and Doping Strategy. *Laser and Photonics Reviews*, **2021**, 15, 2100104	8.3	0
548	Thermal-assisted electroforming enables performance improvement by suppressing the overshoot current in amorphous carbon-based electrochemical metallization memory. *Applied Physics Letters*, **2021**, 119, 143505	3.4	2
547	Flexible All-Inorganic Room-Temperature Chemiresistors Based on Fibrous Ceramic Substrate and Visible-Light-Powered Semiconductor Sensing Layer. *Advanced Science*, **2021**, 8, e2102471	13.6	6
546	Dual Buffer Layers for Developing Electrochemical Metallization Memory With Low Current and High Endurance. *IEEE Electron Device Letters*, **2021**, 42, 308-311	4.4	10
545	Self-Powered Memristive Systems for Storage and Neuromorphic Computing. *Frontiers in Neuroscience*, **2021**, 15, 662457	5.1	1
544	Enhanced Photostability and Photoluminescence of PbI2 via Constructing Type-I Heterostructure with ZnO. *Advanced Photonics Research*, **2021**, 2, 2000183	1.9	0
543	Zeolite-Based Memristive Synapse with Ultralow Sub-10-fJ Energy Consumption for Neuromorphic Computation. *Small*, **2021**, 17, e2006662	11	6
542	Selection of Insulating Elastomers for High-Performance Intrinsically Stretchable Transistors. *ACS Applied Electronic Materials*, **2021**, 3, 1458-1467	4	1

541	Plasmon-driven light harvesting in poly(vinyl alcohol) films for precise surface topography modulation. *Optics Letters*, **2021**, 46, 1828-1831	3	
540	Nondestructive readout of holographic memory in Ag/TiO2 heterojunction via carbon-dots and hydrogel co-modification. *Applied Physics Letters*, **2021**, 118, 141601	3.4	1
539	Brain-inspired computing via memory device physics. *APL Materials*, **2021**, 9, 050702	5.7	16
538	Hyaluronic acid nanofibers crosslinked with a nontoxic reagent. *Carbohydrate Polymers*, **2021**, 259, 117757	10.3	7
537	Humidity Effect on Resistive Switching Characteristics of the CHNHPbI Memristor. *ACS Applied Materials & Interfaces*, **2021**, 13, 28555-28563	9.5	16
536	High switching uniformity and 50 fJ/bit energy consumption achieved in amorphous silicon-based memristive device with an AgInSbTe buffer layer. *Applied Physics Letters*, **2021**, 118, 263507	3.4	2
535	Crosslinked carboxymethyl starch nanofiber mats: Preparation, water resistance and exudates control ability. *European Polymer Journal*, **2021**, 154, 110568	5.2	2
534	AgNPs-incorporated nanofiber mats: Relationship between AgNPs size/content, silver release, cytotoxicity, and antibacterial activity. *Materials Science and Engineering C*, **2021**, 118, 111331	8.3	18
533	Construction of InO/ZnO yolk-shell nanofibers for room-temperature NO detection under UV illumination. *Journal of Hazardous Materials*, **2021**, 403, 124093	12.8	34
532	An antimicrobial peptide-immobilized nanofiber mat with superior performances than the commercial silver-containing dressing. *Materials Science and Engineering C*, **2021**, 119, 111608	8.3	5
531	Sub-Femtojoule-Energy-Consumption Conformable Synaptic Transistors Based on Organic Single-Crystalline Nanoribbons. *Advanced Functional Materials*, **2021**, 31, 2007894	15.6	20
530	Blurred Electrode for Low Contact Resistance in Coplanar Organic Transistors. *ACS Nano*, **2021**, 15, 11551-11566	15.6	9
529	Flexible and transparent memristive synapse based on polyvinylpyrrolidone/N-doped carbon quantum dot nanocomposites for neuromorphic computing. *Nanoscale Advances*, **2021**, 3, 2623-2631	5.1	4
528	Neutron irradiation-induced effects on the reliability performance of electrochemical metallization memory devices. *Journal of Semiconductors*, **2021**, 42, 014103	2.3	2
527	Facile sputtering enables double-layered ZnO electron transport layer for PbS quantum dot solar cells. *Solar Energy*, **2021**, 214, 599-605	6.8	0
526	Facile preparation of flexible polyacrylonitrile/BiOCl/BiOI nanofibers via SILAR method for effective floating photocatalysis. *Journal of Sol-Gel Science and Technology*, **2021**, 97, 610-621	2.3	4
525	Self-Standing and Flexible Thermoelectric Nanofiber Mat of an n-Type Conjugated Polymer. *ACS Applied Electronic Materials*, **2021**, 3, 3641-3647	4	2
524	Effects of preparation parameters on the properties of the crosslinked pectin nanofiber mats. *Carbohydrate Polymers*, **2021**, 269, 118314	10.3	3

523	Ternary NiTiO3@g-C3N4Au nanofibers with a synergistic Z-scheme core@shell interface and dispersive Schottky contact surface for enhanced solar photocatalytic activity. *Materials Chemistry Frontiers*, **2021**, 5, 2730-2741	7.8	1
522	Plasmonic Optoelectronic Memristor Enabling Fully Light-Modulated Synaptic Plasticity for Neuromorphic Vision.. *Advanced Science*, **2021**, e2104632	13.6	16
521	Highly Stable Nonhydroxyl Antisolvent Polymer Dielectric: A New Strategy towards High-Performance Low-Temperature Solution-Processed Ultraflexible Organic Transistors for Skin-Inspired Electronics.. *Research*, **2021**, 2021, 9897353	7.8	2
520	CuSx hole transport layer for PbS quantum dot solar cell. *Solar Energy*, **2020**, 209, 118-122	6.8	0
519	Reduced Graphene Oxide Conformally Wrapped Silver Nanowire Networks for Flexible Transparent Heating and Electromagnetic Interference Shielding. *ACS Nano*, **2020**, 14, 8754-8765	16.7	65
518	Enhanced Solar Photothermal Catalysis over Solution Plasma Activated TiO. *Advanced Science*, **2020**, 7, 2000204	13.6	38
517	Flexible, Conformable Organic Semiconductor Proximity Sensor Array for Electronic Skin. *Advanced Materials Interfaces*, **2020**, 7, 2000306	4.6	10
516	Enhanced Carrier-Exciton Interactions in Monolayer MoS under Applied Voltages. *ACS Applied Materials & Interfaces*, **2020**, 12, 18870-18876	9.5	3
515	Toward a generalized Bienenstock-Cooper-Munro rule for spatiotemporal learning via triplet-STDP in memristive devices. *Nature Communications*, **2020**, 11, 1510	17.4	64
514	TiO/SrTiO/g-CN ternary heterojunction nanofibers: gradient energy band, cascade charge transfer, enhanced photocatalytic hydrogen evolution, and nitrogen fixation. *Nanoscale*, **2020**, 12, 8320-8329	7.7	49
513	Spray-processed nanoporous BiVO4 photoanodes with high charge separation efficiency for oxygen evolution. *APL Materials*, **2020**, 8, 031112	5.7	3
512	Discrete heterojunction nanofibers of BiFeO/BiWO: Novel architecture for effective charge separation and enhanced photocatalytic performance. *Journal of Colloid and Interface Science*, **2020**, 572, 257-268	9.3	25
511	Photoassisted Electroforming Method for Reliable Low-Power OrganicInorganic Perovskite Memristors. *Advanced Functional Materials*, **2020**, 30, 1910151	15.6	39
510	Two-terminal optoelectronic memory device **2020**, 75-105		
509	Directly Spin Coating a Low-Viscosity Organic Semiconductor Solution onto Hydrophobic Surfaces: Toward High-Performance Solution-Processable Organic Transistors. *Advanced Materials Interfaces*, **2020**, 7, 1901950	4.6	6
508	MoSe2/TiO2 Nanofibers for Cycling Photocatalytic Removing Water Pollutants under UVVisNIR Light. *ACS Applied Nano Materials*, **2020**, 3, 2278-2287	5.6	19
507	Moisture-powered memristor with interfacial oxygen migration for power-free reading of multiple memory states. *Nano Energy*, **2020**, 71, 104628	17.1	25
506	Bidirectional Photochromism via Anchoring of Carbon Dots to TiO Porous Films. *ACS Applied Materials & Interfaces*, **2020**, 12, 6262-6267	9.5	9

505	Solution-processed PDMS/SWCNT porous electrodes with high mass loading: toward high performance all-stretchable-component lithium ion batteries. *Sustainable Energy and Fuels*, **2020**, 4, 2718-2726	5.8	10
504	Sn-doping induced oxygen vacancies on the surface of the In2O3 nanofibers and their promoting effect on sensitive NO2 detection at low temperature. *Sensors and Actuators B: Chemical*, **2020**, 317, 128194	8.5	28
503	Gelatin-crosslinked pectin nanofiber mats allowing cell infiltration. *Materials Science and Engineering C*, **2020**, 112, 110941	8.3	11
502	Enhancing hologram memory via deposition of plasmonic nanocubes on orderly mesoporous titania. *Optics Express*, **2020**, 28, 13008-13018	3.3	3
501	Revisiting Pt/TiO photocatalysts for thermally assisted photocatalytic reduction of CO. *Nanoscale*, **2020**, 12, 7000-7010	7.7	42
500	Nitrogen doping polyvinylpyrrolidone-based carbon nanofibers via pyrolysis of g-C3N4 with tunable chemical states and capacitive energy storage. *Electrochimica Acta*, **2020**, 330, 135212	6.7	18
499	Facile Fabrication of Ultraflexible Transparent Electrodes Using Embedded Copper Networks for Wearable Pressure Sensors. *Advanced Materials Technologies*, **2020**, 5, 1900823	6.8	11
498	Analytical modeling of electrochemical metallization memory device with dual-layer structure of Ag/AgInSbTe/amorphous C/Pt. *Semiconductor Science and Technology*, **2020**, 35, 02LT01	1.8	1
497	Thermal coupled photoconductivity as a tool to understand the photothermal catalytic reduction of CO2. *Chinese Journal of Catalysis*, **2020**, 41, 154-160	11.3	32
496	Unveiling Bandgap Evolution and Carrier Redistribution in Multilayer WSe2: Enhanced Photon Emission via Heat Engineering. *Advanced Optical Materials*, **2020**, 8, 1901226	8.1	8
495	A coral-like hematite photoanode on a macroporous SnO2: Sb substrate for enhanced photoelectrochemical water oxidation. *Electrochimica Acta*, **2020**, 360, 137012	6.7	2
494	Photoreduced nanocomposites of graphene oxide/N-doped carbon dots toward all-carbon memristive synapses. *NPG Asia Materials*, **2020**, 12,	10.3	17
493	Synchronously improved stretchability and mobility by tuning the molecular weight for intrinsically stretchable transistors. *Journal of Materials Chemistry C*, **2020**, 8, 15646-15654	7.1	9
492	Strain-Discriminable Pressure/Proximity Sensing of Transparent Stretchable Electronic Skin Based on PEDOT:PSS/SWCNT Electrodes. *ACS Applied Materials & Interfaces*, **2020**, 12, 55083-55093	9.5	24
491	Cobweb-like, Ultrathin Porous Polymer Films for Ultrasensitive NO Detection. *ACS Applied Materials & Interfaces*, **2020**, 12, 52992-53002	9.5	4
490	Photo-tunable organic resistive random access memory based on PVP/N-doped carbon dot nanocomposites for encrypted image storage. *Journal of Materials Chemistry C*, **2020**, 8, 14789-14795	7.1	6
489	Cellulose nanofibers electrospun from aqueous conditions. *Cellulose*, **2020**, 27, 8695-8708	5.5	3
488	Ultraflexible, Degradable Organic Synaptic Transistors Based on Natural Polysaccharides for Neuromorphic Applications. *Advanced Functional Materials*, **2020**, 30, 2006271	15.6	19

487	Crosslinked starch nanofibers with high mechanical strength and excellent water resistance for biomedical applications. *Biomedical Materials (Bristol)*, **2020**, 15, 025007	3.5	12
486	Ultrasonic spray pyrolysis-assisted preparation of CoS for stable, uniform and efficient counter electrode in dye-sensitized solar cells. *Solar Energy*, **2019**, 189, 398-403	6.8	5
485	Improved near-UV electroluminescence of ZnO nanorod array LEDs by coupling with a graphene plasmon layer. *Nanophotonics*, **2019**, 8, 2203-2213	6.3	4
484	Cesium-functionalized pectin as a cathode interlayer for polymer solar cells. *Journal of Materials Chemistry C*, **2019**, 7, 1592-1596	7.1	8
483	Composition-controllable p-CuO/n-ZnO hollow nanofibers for high-performance H2S detection. *Sensors and Actuators B: Chemical*, **2019**, 285, 495-503	8.5	53
482	Enhancing the Intrinsic Stretchability of Micropatterned Gold Film by Covalent Linkage of Carbon Nanotubes for Wearable Electronics. *ACS Applied Electronic Materials*, **2019**, 1, 1295-1303	4	8
481	Memristors with organic-inorganic halide perovskites. *Informa□□Materi□y*, **2019**, 1, 183	23.1	50
480	Direct Z-scheme heterostructure of p-CuAlO/n-BiWO composite nanofibers for efficient overall water splitting and photodegradation. *Journal of Colloid and Interface Science*, **2019**, 550, 170-179	9.3	45
479	Reusable and Flexible g-C3N4/Ag3PO4/Polyacrylonitrile Heterojunction Nanofibers for Photocatalytic Dye Degradation and Oxygen Evolution. *ACS Applied Nano Materials*, **2019**, 2, 3081-3090	5.6	33
478	Analog□Digital Hybrid Memristive Devices for Image Pattern Recognition with Tunable Learning Accuracy and Speed. *Small Methods*, **2019**, 3, 1900160	12.8	22
477	Engineering fluorescence intensity and electron concentration of monolayer MoS by forming heterostructures with semiconductor dots. *Nanoscale*, **2019**, 11, 6544-6551	7.7	10
476	Construction of hierarchical hetero-structured TiO2 photoanodes for dye-sensitized solar energy conversion: Case study of anatase nanobranches on rutile nanorod arrays. *Chemical Physics*, **2019**, 522, 129-133	2.3	3
475	Nature of vacuum-deposited electrode induced thermal irradiation damage on organic transistors. *Applied Surface Science*, **2019**, 480, 523-528	6.7	8
474	A crosslinking strategy to make neutral polysaccharide nanofibers robust and biocompatible: With konjac glucomannan as an example. *Carbohydrate Polymers*, **2019**, 215, 130-136	10.3	27
473	Interface engineering of solution-grown silver nanofiber networks designed as flexible transparent electrodes. *Journal of Materials Chemistry C*, **2019**, 7, 3924-3933	7.1	7
472	Flexible, Conformal Organic Synaptic Transistors on Elastomer for Biomedical Applications. *Advanced Functional Materials*, **2019**, 29, 1901107	15.6	40
471	Dielectric Selection for Solution-Processed High-Mobility TIPS-Pentacene Microwire Field-Effect Transistors. *Advanced Materials Interfaces*, **2019**, 6, 1801984	4.6	9
470	A photolithographic stretchable transparent electrode for an all-solution-processed fully transparent conformal organic transistor array. *Journal of Materials Chemistry C*, **2019**, 7, 5385-5393	7.1	25

469	A flexible conformable artificial organ-damage memory system towards hazardous gas leakage based on a single organic transistor. *Materials Horizons*, **2019**, 6, 717-726	14.4	30
468	Resistive switching performance improvement of amorphous carbon-based electrochemical metallization memory via current stressing. *Applied Physics Letters*, **2019**, 115, 073501	3.4	5
467	Ultrasensitive Charged Object Detection Based on Rubrene Crystal Sensor. *IEEE Transactions on Electron Devices*, **2019**, 66, 3139-3143	2.9	2
466	The role of DUV laser irradiation in the optical and electrical properties of indium zinc oxide films synthesized by self-combustion. *Journal of Alloys and Compounds*, **2019**, 806, 327-334	5.7	4
465	Highly electron-depleted ZnO/ZnFe2O4/Au hollow meshes as an advanced material for gas sensing application. *Sensors and Actuators B: Chemical*, **2019**, 297, 126769	8.5	21
464	Hierarchically Porous In2O3/In2S3 Heterostructures as Micronano Photocatalytic Reactors Prepared by a Novel Polymer-Assisted Sol□el Freeze-Drying Method. *Industrial & Engineering Chemistry Research*, **2019**, 58, 14106-14114	3.9	14
463	ZnO/ZnFe2O4 Janus Hollow Nanofibers with Magnetic Separability for Photocatalytic Degradation of Water-Soluble Organic Dyes. *ACS Applied Nano Materials*, **2019**, 2, 4879-4890	5.6	17
462	Multifunctional NaYF:Yb,Er@PE@FeO nanocomposites for magnetic-field-assisted upconversion imaging guided photothermal therapy of cancer cells. *Dalton Transactions*, **2019**, 48, 12850-12857	4.3	9
461	Polylactide nanofibers delivering doxycycline for chronic wound treatment. *Materials Science and Engineering C*, **2019**, 104, 109745	8.3	42
460	Graphene-oxide/TiO nanocomposite films with electron-donors for multicolor holography. *Optics Express*, **2019**, 27, 1740-1749	3.3	2
459	Bi-photonic reduction of anisotropic Ag nanoparticles for color-tunable hologram reconstruction. *Optics Express*, **2019**, 27, 11991-11999	3.3	4
458	Recent Advances in Magnetic Upconversion Nanocomposites for Bioapplications. *Current Pharmaceutical Design*, **2019**, 25, 2007-2015	3.3	1
457	Low surface energy interface-derived low-temperature recrystallization behavior of organic thin films for boosting carrier mobility. *Journal of Materials Chemistry C*, **2019**, 7, 13778-13785	7.1	3
456	A comparison of computational equations for understanding the effect of adhesion energy on mobility of DNTT thin-film transistors. *Modern Physics Letters B*, **2019**, 33, 1950282	1.6	0
455	Insertion of Nanoscale AgInSbTe Layer between the Ag Electrode and the CH3NH3PbI3 Electrolyte Layer Enabling Enhanced Multilevel Memory. *ACS Applied Nano Materials*, **2019**, 2, 307-314	5.6	18
454	Revisiting cocatalyst/TiO2 photocatalyst in blue light photothermalcatalysis. *Catalysis Today*, **2019**, 335, 286-293	5.3	9
453	TiO2-x/CoOx photocatalyst sparkles in photothermocatalytic reduction of CO2 with H2O steam. *Applied Catalysis B: Environmental*, **2019**, 243, 760-770	21.8	82
452	An infrared IgG immunoassay based on the use of a nanocomposite consisting of silica coated FeO superparticles. *Mikrochimica Acta*, **2019**, 186, 99	5.8	3

451	Cycling-Induced Degradation of Organic–Inorganic Perovskite-Based Resistive Switching Memory. *Advanced Materials Technologies*, **2019**, 4, 1800238	6.8	34
450	Biodegradable Natural Pectin-Based Flexible Multilevel Resistive Switching Memory for Transient Electronics. *Small*, **2019**, 15, e1803970	11	77
449	An "off-on" colorimetric and fluorometric assay for Cu(II) based on the use of NaYF:Yb(III),Er(III) upconversion nanoparticles functionalized with branched polyethylenimine. *Mikrochimica Acta*, **2018**, 185, 211	5.8	15
448	Hollow CuFe2O4/Fe2O3 composite with ultrathin porous shell for acetone detection at ppb levels. *Sensors and Actuators B: Chemical*, **2018**, 258, 436-446	8.5	47
447	Complementary Resistive Switching Observed in Graphene Oxide-Based Memory Device. *IEEE Electron Device Letters*, **2018**, 39, 488-491	4.4	19
446	Analytical Modeling of Organic–Inorganic CH3NH3PbI3 Perovskite Resistive Switching and its Application for Neuromorphic Recognition. *Advanced Theory and Simulations*, **2018**, 1, 1700035	3.5	26
445	Performance enhancement of ZnO nanowires/PbS quantum dot depleted bulk heterojunction solar cells with an ultrathin Al 2 O 3 interlayer. *Chinese Physics B*, **2018**, 27, 018503	1.2	5
444	Color-Tunable ZnO/GaN Heterojunction LEDs Achieved by Coupling with Ag Nanowire Surface Plasmons. *ACS Applied Materials & Interfaces*, **2018**, 10, 15812-15819	9.5	26
443	Bismuth oxychloride (BiOCl)/copper phthalocyanine (CuTNPc) heterostructures immobilized on electrospun polyacrylonitrile nanofibers with enhanced activity for floating photocatalysis. *Journal of Colloid and Interface Science*, **2018**, 525, 187-195	9.3	26
442	Direct Effect of Dielectric Surface Energy on Carrier Transport in Organic Field-Effect Transistors. *ACS Applied Materials & Interfaces*, **2018**, 10, 15943-15951	9.5	24
441	Immobilization of ZnO/polyaniline heterojunction on electrospun polyacrylonitrile nanofibers and enhanced photocatalytic activity. *Materials Chemistry and Physics*, **2018**, 214, 507-515	4.4	26
440	Controllable preparation of three-dimensional porous WO3 with enhanced visible light photocatalytic activity via a freeze-drying method. *Journal of Materials Science: Materials in Electronics*, **2018**, 29, 9605-9612	2.1	3
439	Effect of the Deformation State on the Response of a Flexible H2S Sensor Based on a Ph5T2 Single-Crystal Transistor. *IEEE Electron Device Letters*, **2018**, 39, 119-122	4.4	12
438	Molybdenum diselenide nanosheet/carbon nanofiber heterojunctions: Controllable fabrication and enhanced photocatalytic properties with a broad-spectrum response from visible to infrared light. *Journal of Colloid and Interface Science*, **2018**, 518, 1-10	9.3	21
437	Accurate identification of layer number for few-layer WS and WSe via spectroscopic study. *Nanotechnology*, **2018**, 29, 124001	3.4	33
436	Oxidized carbon quantum dot–graphene oxide nanocomposites for improving data retention of resistive switching memory. *Journal of Materials Chemistry C*, **2018**, 6, 2026-2033	7.1	27
435	Heterojunction of g-C3N4/BiOI Immobilized on Flexible Electrospun Polyacrylonitrile Nanofibers: Facile Preparation and Enhanced Visible Photocatalytic Activity for Floating Photocatalysis. *ACS Sustainable Chemistry and Engineering*, **2018**, 6, 2316-2323	8.3	98
434	Ultrasensitive Flexible Proximity Sensor Based on Organic Crystal for Location Detection. *ACS Applied Materials & Interfaces*, **2018**, 10, 2785-2792	9.5	35

433	Cross-Linked Pectin Nanofibers with Enhanced Cell Adhesion. *Biomacromolecules*, **2018**, 19, 490-498	6.9	37
432	Ultra-facile and rapid colorimetric detection of Cu with branched polyethylenimine in 100% aqueous solution. *Analyst, The*, **2018**, 143, 409-414	5	18
431	Improved switching reliability achieved in HfOx based RRAM with mountain-like surface-graphited carbon layer. *Applied Surface Science*, **2018**, 440, 107-112	6.7	12
430	Fully transparent conformal organic thin-film transistor array and its application as LED front driving. *Nanoscale*, **2018**, 10, 3613-3620	7.7	17
429	Hierarchical heterostructures of p-type bismuth oxychloride nanosheets on n-type zinc ferrite electrospun nanofibers with enhanced visible-light photocatalytic activities and magnetic separation properties. *Journal of Colloid and Interface Science*, **2018**, 516, 110-120	9.3	22
428	Control over energy level match in Keggin polyoxometallate-TiO2 microspheres for multielectron photocatalytic reactions. *Applied Catalysis B: Environmental*, **2018**, 234, 79-89	21.8	32
427	Global Control of CH3NH3PbI3 Formation with Multifunctional Ionic Liquid for Perovskite Hybrid Photovoltaics. *Journal of Physical Chemistry C*, **2018**, 122, 10699-10705	3.8	13
426	Bi2WO6/ZnFe2O4 heterostructures nanofibers: Enhanced visible-light photocatalytic activity and magnetically separable property. *Materials Research Bulletin*, **2018**, 104, 124-133	5.1	24
425	Effect of electrode design on crosstalk between neighboring organic field-effect transistors based on one single crystal. *Applied Physics Express*, **2018**, 11, 036502	2.4	1
424	Fluorescent Holographic Fringes with a Surface Relief Structure Based on Merocyanine Aggregation Driven by Blue-violet Laser. *Scientific Reports*, **2018**, 8, 3818	4.9	8
423	Solution-Processed Single-Crystal Array for High-Performance Conformable Transistors. *IEEE Electron Device Letters*, **2018**, 39, 595-598	4.4	7
422	Magnetically separable Bi2MoO6/ZnFe2O4 heterostructure nanofibers: Controllable synthesis and enhanced visible light photocatalytic activity. *Journal of Alloys and Compounds*, **2018**, 747, 916-925	5.7	35
421	Minimization of defects in Nb-doped TiO 2 photocatalysts by molten salt flux. *Ceramics International*, **2018**, 44, 10249-10257	5.1	5
420	Three dimensional hierarchical heterostructures of g-CN nanosheets/TiO nanofibers: Controllable growth via gas-solid reaction and enhanced photocatalytic activity under visible light. *Journal of Hazardous Materials*, **2018**, 344, 113-122	12.8	90
419	Photocatalytic Reduction of Graphene Oxide-TiO Nanocomposites for Improving Resistive-Switching Memory Behaviors. *Small*, **2018**, 14, e1801325	11	45
418	UV-resistant holographic data storage in noble-metal/semiconductor nanocomposite films with electron-acceptors. *Optical Materials Express*, **2018**, 8, 1143	2.6	9
417	Graphite Microislands Prepared for Reliability Improvement of Amorphous Carbon Based Resistive Switching Memory. *Physica Status Solidi - Rapid Research Letters*, **2018**, 12, 1800285	2.5	6
416	High-Performance, Ultrathin, Ultraflexible Organic Thin-Film Transistor Array Via Solution Process. *Small*, **2018**, 14, e1801020	11	52

415	Crosslinked pectin nanofibers with well-dispersed Ag nanoparticles: Preparation and characterization. *Carbohydrate Polymers*, **2018**, 199, 68-74	10.3	22
414	Highly uniform switching of HfO2 based RRAM achieved through Ar plasma treatment for low power and multilevel storage. *Applied Surface Science*, **2018**, 458, 216-221	6.7	25
413	Ionic Liquid-Assisted Improvements in the Thermal Stability of CH3NH3PbI3 Perovskite Photovoltaics. *Physica Status Solidi - Rapid Research Letters*, **2018**, 12, 1800130	2.5	19
412	The Nature of Lithium-Ion Transport in Low Power Consumption LiFePO4 Resistive Memory with Graphite as Electrode. *Physica Status Solidi - Rapid Research Letters*, **2018**, 12, 1800320	2.5	7
411	Stretchable and conformable synapse memristors for wearable and implantable electronics. *Nanoscale*, **2018**, 10, 18135-18144	7.7	49
410	The Auger process in multilayer WSe crystals. *Nanoscale*, **2018**, 10, 17585-17592	7.7	16
409	Flexible, high-sensitive, and wearable strain sensor based on organic crystal for human motion detection. *Organic Electronics*, **2018**, 61, 304-311	3.5	21
408	Interface State-Induced Negative Differential Resistance Observed in Hybrid Perovskite Resistive Switching Memory. *ACS Applied Materials & Interfaces*, **2018**, 10, 21755-21763	9.5	51
407	Graphitic carbon nitride/BiOI loaded on electrospun silica nanofibers with enhanced photocatalytic activity. *Applied Surface Science*, **2018**, 455, 952-962	6.7	29
406	Element substitution of kesterite CuZnSnS for efficient counter electrode of dye-sensitized solar cells. *Scientific Reports*, **2018**, 8, 8714	4.9	15
405	Ultrathin Free-Substrate n-Type PTCDI-C13 Transistors With Bilayer Polymer Dielectrics. *IEEE Electron Device Letters*, **2018**, 39, 1183-1186	4.4	8
404	BiMoO/BiFeO heterojunction nanofibers: Enhanced photocatalytic activity, charge separation mechanism and magnetic separability. *Journal of Colloid and Interface Science*, **2018**, 529, 404-414	9.3	62
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