Yichun Liu

List of Publications by Citations

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

#	Paper	IF	Citations
558	Photovoltaics. Interface engineering of highly efficient perovskite solar cells. *Science*, **2014**, 345, 542-6	33.3	5272
557	Electrospun nanofibers of p-type NiO/n-type ZnO heterojunctions with enhanced photocatalytic activity. *ACS Applied Materials & Interfaces*, **2010**, 2, 2915-23	9.5	504
556	In situ assembly of well-dispersed Ag nanoparticles (AgNPs) on electrospun carbon nanofibers (CNFs) for catalytic reduction of 4-nitrophenol. *Nanoscale*, **2011**, 3, 3357-63	7.7	501
555	Synaptic Learning and Memory Functions Achieved Using Oxygen Ion Migration/Diffusion in an Amorphous InGaZnO Memristor. *Advanced Functional Materials*, **2012**, 22, 2759-2765	15.6	477
554	High photocatalytic activity of ZnO-carbon nanofiber heteroarchitectures. *ACS Applied Materials & Interfaces*, **2011**, 3, 590-6	9.5	359
553	Electrospun Nanofibers of ZnO□SnO2 Heterojunction with High Photocatalytic Activity. *Journal of Physical Chemistry C*, **2010**, 114, 7920-7925	3.8	318
552	Hierarchical assembly of ultrathin hexagonal SnS2 nanosheets onto electrospun TiO2 nanofibers: enhanced photocatalytic activity based on photoinduced interfacial charge transfer. *Nanoscale*, **2013**, 5, 606-18	7.7	312
551	Structural and Optical Properties of Uniform ZnO Nanosheets. *Advanced Materials*, **2005**, 17, 586-590	24	296
550	SnO2 nanostructures-TiO2 nanofibers heterostructures: controlled fabrication and high photocatalytic properties. *Inorganic Chemistry*, **2009**, 48, 7261-8	5.1	278
549	Highly dispersed Fe3O4 nanosheets on one-dimensional carbon nanofibers: Synthesis, formation mechanism, and electrochemical performance as supercapacitor electrode materials. *Nanoscale*, **2011**, 3, 5034	7.7	276
548	Enhancement of the visible-light photocatalytic activity of In2O3-TiO2 nanofiber heteroarchitectures. *ACS Applied Materials & Interfaces*, **2012**, 4, 424-30	9.5	268
547	In situ assembly of well-dispersed gold nanoparticles on electrospun silica nanotubes for catalytic reduction of 4-nitrophenol. *Chemical Communications*, **2011**, 47, 3906-8	5.8	264
546	A facile in situ hydrothermal method to SrTiO3/TiO2 nanofiber heterostructures with high photocatalytic activity. *Langmuir*, **2011**, 27, 2946-52	4	247
545	A single Eu-activated high-color-rendering oxychloride white-light phosphor for white-light-emitting diodes. *Light: Science and Applications*, **2016**, 5, e16024	16.7	244
544	Low Threshold Voltage Transistors Based on Individual Single-Crystalline Submicrometer-Sized Ribbons of Copper Phthalocyanine. *Advanced Materials*, **2006**, 18, 65-68	24	236
543	An Ultra Closely □Stacked Organic Semiconductor for High Performance Field-Effect Transistors. *Advanced Materials*, **2007**, 19, 2613-2617	24	235
542	Photocatalytic properties BiOCl and Bi2O3 nanofibers prepared by electrospinning. *Scripta Materialia*, **2008**, 59, 332-335	5.6	226

541	Tubular nanocomposite catalysts based on size-controlled and highly dispersed silver nanoparticles assembled on electrospun silica nanotubes for catalytic reduction of 4-nitrophenol. *Journal of Materials Chemistry*, **2012**, 22, 1387-1395		225
540	Photoswitches and Phototransistors from Organic Single-Crystalline Sub-micro/nanometer Ribbons. *Advanced Materials*, **2007**, 19, 2624-2628	24	216
539	One-dimensional Bi2MoO6/TiO2 hierarchical heterostructures with enhanced photocatalytic activity. *CrystEngComm*, **2012**, 14, 605-612	3.3	213
538	Growth of ZnO nanostructures with different morphologies by using hydrothermal technique. *Journal of Physical Chemistry B*, **2006**, 110, 20263-7	3.4	190
537	Hierarchical heterostructures of Bi2MoO6 on carbon nanofibers: controllable solvothermal fabrication and enhanced visible photocatalytic properties. *Journal of Materials Chemistry*, **2012**, 22, 577-584		185
536	Facile in situ synthesis of plasmonic nanoparticles-decorated g-C3N4/TiO2 heterojunction nanofibers and comparison study of their photosynergistic effects for efficient photocatalytic H2 evolution. *Nanoscale*, **2016**, 8, 11034-43	7.7	184
535	White-light emission of polyvinyl alcohol□ZnO hybrid nanofibers prepared by electrospinning. *Applied Physics Letters*, **2005**, 87, 113115	3.4	178
534	ZnO Hollow Nanofibers: Fabrication from Facile Single Capillary Electrospinning and Applications in Gas Sensors. *Journal of Physical Chemistry C*, **2009**, 113, 19397-19403	3.8	176
533	Optical properties of ZnO and ZnO:In nanorods assembled by sol-gel method. *Journal of Chemical Physics*, **2005**, 123, 134701	3.9	174
532	Hierarchical nanostructures of copper(II) phthalocyanine on electrospun TiO(2) nanofibers: controllable solvothermal-fabrication and enhanced visible photocatalytic properties. *ACS Applied Materials & Interfaces*, **2011**, 3, 369-77	9.5	173
531	TiO(2)@carbon core/shell nanofibers: controllable preparation and enhanced visible photocatalytic properties. *Nanoscale*, **2011**, 3, 2943-9	7.7	172
530	Flexible solid-state supercapacitors based on freestanding nitrogen-doped porous carbon nanofibers derived from electrospun polyacrylonitrile@polyaniline nanofibers. *Journal of Materials Chemistry A*, **2016**, 4, 4180-4187	13	170
529	Electrospinning preparation, characterization and photocatalytic properties of Bi2O3 nanofibers. *Journal of Colloid and Interface Science*, **2009**, 333, 242-8	9.3	168
528	Superhydrophobic and ultraviolet-blocking cotton textiles. *ACS Applied Materials & Interfaces*, **2011**, 3, 1277-81	9.5	163
527	Gas dielectric transistor of CuPc single crystalline nanowire for SO□detection down to sub-ppm levels at room temperature. *Advanced Materials*, **2013**, 25, 2269-73, 2376	24	144
526	F-doping effects on electrical and optical properties of ZnO nanocrystalline films. *Applied Physics Letters*, **2005**, 86, 123107	3.4	144
525	A highly efficient white light (Sr3,Ca,Ba)(PO4)3Cl:Eu2+, Tb3+, Mn2+ phosphor via dual energy transfers for white light-emitting diodes. *Inorganic Chemistry*, **2014**, 53, 3441-8	5.1	129
524	Core/shell nanofibers of TiO2@carbon embedded by Ag nanoparticles with enhanced visible photocatalytic activity. *Journal of Materials Chemistry*, **2011**, 21, 17746		129

523	p-MoO3 nanostructures/n-TiO2 nanofiber heterojunctions: controlled fabrication and enhanced photocatalytic properties. *ACS Applied Materials & Interfaces*, **2014**, 6, 9004-12	9.5	125
522	Bi2MoO6 microtubes: Controlled fabrication by using electrospun polyacrylonitrile microfibers as template and their enhanced visible light photocatalytic activity. *Journal of Hazardous Materials*, **2012**, 225-226, 155-63	12.8	123
521	A novel method for making ZrO2 nanofibres via an electrospinning technique. *Journal of Crystal Growth*, **2004**, 267, 380-384	1.6	123
520	Structure and photoluminescence of Mn-passivated nanocrystalline ZnO thin films. *Journal of Crystal Growth*, **2003**, 254, 80-85	1.6	116
519	Growth and optical properties of faceted hexagonal ZnO nanotubes. *Journal of Physical Chemistry B* , **2006**, 110, 14714-8	3.4	113
518	Visible and ultraviolet light alternative photodetector based on ZnO nanowire/n-Si heterojunction. *Applied Physics Letters*, **2008**, 93, 163501	3.4	112
517	In Situ Patterning of Organic Single-Crystalline Nanoribbons on a SiO2 Surface for the Fabrication of Various Architectures and High-Quality Transistors. *Advanced Materials*, **2006**, 18, 3010-3014	24	111
516	Room-temperature ferromagnetism in (Mn, N)-codoped ZnO thin films prepared by reactive magnetron cosputtering. *Applied Physics Letters*, **2006**, 88, 242502	3.4	110
515	Bi4Ti3O12 nanosheets/TiO2 submicron fibers heterostructures: in situ fabrication and high visible light photocatalytic activity. *Journal of Materials Chemistry*, **2011**, 21, 6922		108
514	Enhanced Raman Scattering of ZnO Quantum Dots on Silver Colloids. *Journal of Physical Chemistry C*, **2007**, 111, 3290-3293	3.8	106
513	Defect-Induced Yellow Color in Nb-Doped TiO2 and Its Impact on Visible-Light Photocatalysis. *Journal of Physical Chemistry C*, **2015**, 119, 16623-16632	3.8	105
512	Flexible Resistive Switching Memory Device Based on Amorphous InGaZnO Film With Excellent Mechanical Endurance. *IEEE Electron Device Letters*, **2011**, 32, 1442-1444	4.4	105
511	Polyacrylonitrile and Carbon Nanofibers with Controllable Nanoporous Structures by Electrospinning. *Macromolecular Materials and Engineering*, **2009**, 294, 673-678	3.9	104
510	Preparation of Mn2O3 and Mn3O4 nanofibers via an electrospinning technique. *Journal of Solid State Chemistry*, **2004**, 177, 2628-2631	3.3	104
509	Electrospun nanofibers of V-doped TiO2 with high photocatalytic activity. *Journal of Colloid and Interface Science*, **2010**, 351, 57-62	9.3	103
508	Promotion of multi-electron transfer for enhanced photocatalysis: A review focused on oxygen reduction reaction. *Applied Surface Science*, **2015**, 358, 28-45	6.7	100
507	Photo-assisted preparation and patterning of large-area reduced graphene oxide-TiO(2) conductive thin film. *Chemical Communications*, **2010**, 46, 3499-501	5.8	100
506	In situ assembly of well-dispersed Au nanoparticles on TiO2/ZnO nanofibers: a three-way synergistic heterostructure with enhanced photocatalytic activity. *Journal of Hazardous Materials*, **2012**, 237-238, 331-8	12.8	99

505	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
504	Polyaniline-coated electrospun carbon nanofibers with high mass loading and enhanced capacitive performance as freestanding electrodes for flexible solid-state supercapacitors. *Energy*, **2016**, 95, 233-241	7.9	97
503	Heterostructured TiO2/WO3 porous microspheres: Preparation, characterization and photocatalytic properties. *Catalysis Today*, **2013**, 201, 195-202	5.3	97
502	Hydrothermal Growth of Layered Titanate Nanosheet Arrays on Titanium Foil and Their Topotactic Transformation to Heterostructured TiO2 Photocatalysts. *Journal of Physical Chemistry C*, **2011**, 115, 22276-22285	3.8	95
501	Biocompatible ZnO/Au nanocomposites for ultrasensitive DNA detection using resonance Raman scattering. *Journal of Physical Chemistry B*, **2008**, 112, 6484-9	3.4	95
500	Hydrothermal synthesis of carbon-rich graphitic carbon nitride nanosheets for photoredox catalysis. *Journal of Materials Chemistry A*, **2015**, 3, 3281-3284	13	92
499	One-dimensional hierarchical heterostructures of In$_2$S$_3$ nanosheets on electrospun TiO$_2$ nanofibers with enhanced visible photocatalytic activity. *Journal of Hazardous Materials*, **2013**, 260, 892-900	12.8	92
498	Performance improvement of resistive switching memory achieved by enhancing local-electric-field near electromigrated Ag-nanoclusters. *Nanoscale*, **2013**, 5, 4490-4	7.7	91
497	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
496	Optical properties and electrical characterization of p-type ZnO thin films prepared by thermally oxiding Zn3N2 thin films. *Journal of Materials Research*, **2003**, 18, 8-13	2.5	89
495	Phytotoxic and genotoxic effects of ZnO nanoparticles on garlic (Allium sativum L.): a morphological study. *Nanotoxicology*, **2012**, 6, 241-8	5.3	88
494	Water-dichloromethane interface controlled synthesis of hierarchical rutile TiO2 superstructures and their photocatalytic properties. *Inorganic Chemistry*, **2009**, 48, 1105-13	5.1	87
493	Structure and optically pumped lasing from nanocrystalline ZnO thin films prepared by thermal oxidation of ZnS thin films. *Journal of Applied Physics*, **2002**, 92, 3293-3298	2.5	87
492	Photoluminescence of polyethylene oxide–ZnO composite electrospun fibers. *Polymer*, **2007**, 48, 1459-1463	3.9	86
491	The structural and optical properties of Cu2O films electrodeposited on different substrates. *Semiconductor Science and Technology*, **2005**, 20, 44-49	1.8	86
490	Ultrafast Li-ion battery anode with superlong life and excellent cycling stability from strongly coupled ZnO nanoparticle/conductive nanocarbon skeleton hybrid materials. *Nano Energy*, **2013**, 2, 579-585	17.1	85
489	High quality ZnO thin films grown by plasma enhanced chemical vapor deposition. *Journal of Applied Physics*, **2002**, 91, 501	2.5	85
488	Electrospun nanofibers of TiO2/CdS heteroarchitectures with enhanced photocatalytic activity by visible light. *Journal of Colloid and Interface Science*, **2011**, 359, 220-7	9.3	83

487	A simple method for controllable preparation of polymer nanotubes via a single capillary electrospinning. *Langmuir*, **2007**, 23, 10920-3	4	83
486	Color tuning of (K1−x,Nax)SrPO4:0.005Eu2+, yTb3+ blue-emitting phosphors via crystal field modulation and energy transfer. *Journal of Materials Chemistry C*, **2013**, 1, 4570	7.1	82
485	Fabrication of NiCo2O4 nanofibers by electrospinning. *Solid State Communications*, **2004**, 131, 107-109	1.6	82
484	TiO2-x/CoOx photocatalyst sparkles in photothermocatalytic reduction of CO2 with H2O steam. *Applied Catalysis B: Environmental*, **2019**, 243, 760-770	21.8	82
483	Tin oxide (SnO2) nanoparticles/electrospun carbon nanofibers (CNFs) heterostructures: controlled fabrication and high capacitive behavior. *Journal of Colloid and Interface Science*, **2011**, 356, 706-12	9.3	80
482	Structural, optical, and magnetic properties of Mn-doped ZnO thin film. *Journal of Chemical Physics*, **2006**, 124, 74707	3.9	80
481	Structural and photoluminescent properties of ZnO hexagonal nanoprisms synthesized by microemulsion with polyvinyl pyrrolidone served as surfactant and passivant. *Chemical Physics Letters*, **2006**, 424, 340-344	2.5	79
480	Temperature dependence of excitonic luminescence from nanocrystalline ZnO films. *Journal of Luminescence*, **2002**, 99, 149-154	3.8	79
479	Bi2MoO6 ultrathin nanosheets on ZnTiO3 nanofibers: a 3D open hierarchical heterostructures synergistic system with enhanced visible-light-driven photocatalytic activity. *Journal of Hazardous Materials*, **2012**, 217-218, 422-8	12.8	78
478	The electrical properties and the interfaces of Cu2O/ZnO/ITO p□n heterojunction. *Physica B: Condensed Matter*, **2004**, 351, 178-183	2.8	78
477	Nanofibers of CeO2 via an electrospinning technique. *Thin Solid Films*, **2005**, 478, 228-231	2.2	78
476	Nonvolatile/volatile behaviors and quantized conductance observed in resistive switching memory based on amorphous carbon. *Carbon*, **2015**, 91, 38-44	10.4	77
475	Biodegradable Natural Pectin-Based Flexible Multilevel Resistive Switching Memory for Transient Electronics. *Small*, **2019**, 15, e1803970	11	77
474	High-quality ZnO thin films prepared by two-step thermal oxidation of the metallic Zn. *Journal of Crystal Growth*, **2002**, 240, 467-472	1.6	76
473	Electrospun Carbon Nanofibers/Carbon Nanotubes/Polyaniline Ternary Composites with Enhanced Electrochemical Performance for Flexible Solid-State Supercapacitors. *ACS Sustainable Chemistry and Engineering*, **2016**, 4, 1689-1696	8.3	75
472	Carbon-modified BiVO4 microtubes embedded with Ag nanoparticles have high photocatalytic activity under visible light. *Nanoscale*, **2012**, 4, 7501-8	7.7	75
471	Photoelectrochemical Water Splitting with Rutile TiO2 Nanowires Array: Synergistic Effect of Hydrogen Treatment and Surface Modification with Anatase Nanoparticles. *Electrochimica Acta*, **2014**, 130, 290-295	6.7	74
470	Size-Controlled Synthesis and Optical Properties of Small-Sized ZnO Nanorods. *Journal of Physical Chemistry C*, **2009**, 113, 7497-7502	3.8	74

469	Photoluminescence and Raman behaviors of ZnO nanostructures with different morphologies. *Journal of Crystal Growth*, **2006**, 289, 55-58	1.6	74
468	Structural and optical properties of ZnO nanotower bundles. *Applied Physics Letters*, **2006**, 88, 123111	3.4	71
467	Ultraviolet electroluminescence from p-GaN/i-ZnO/n-ZnO heterojunction light-emitting diodes. *Applied Physics B: Lasers and Optics*, **2005**, 80, 871-874	1.9	71
466	Three-dimensional freestanding hierarchically porous carbon materials as binder-free electrodes for supercapacitors: high capacitive property and long-term cycling stability. *Journal of Materials Chemistry A*, **2016**, 4, 5623-5631	13	70
465	Local chemical states and thermal stabilities of nitrogen dopants in ZnO film studied by temperature-dependent x-ray photoelectron spectroscopy. *Applied Physics Letters*, **2009**, 95, 191903	3.4	70
464	Highly efficient decomposition of organic dye by aqueous-solid phase transfer and in situ photocatalysis using hierarchical copper phthalocyanine hollow spheres. *ACS Applied Materials & Interfaces*, **2011**, 3, 2573-8	9.5	69
463	CuO/Cu2O nanofibers as electrode materials for non-enzymatic glucose sensors with improved sensitivity. *RSC Advances*, **2014**, 4, 31056	3.7	68
462	Synthesis of Fe3O4/CNTs magnetic nanocomposites at the liquid□quid interface using oleate as surfactant and reactant. *Journal of Magnetism and Magnetic Materials*, **2009**, 321, 408-412	2.8	68
461	Synthesis and luminescence properties of Eu3+-doped ZnO nanocrystals by a hydrothermal process. *Materials Chemistry and Physics*, **2007**, 106, 305-309	4.4	68
460	Electrospun nanofibers of NiO/ZnO composite. *Inorganic Chemistry Communication*, **2004**, 7, 625-627	3.1	68
459	In2O3 nanocubes/carbon nanofibers heterostructures with high visible light photocatalytic activity. *Journal of Materials Chemistry*, **2012**, 22, 1786-1793		66
458	The Optical Properties of ZnO Nanoparticles Capped with Polyvinyl Butyral. *Journal of Sol-Gel Science and Technology*, **2004**, 30, 157-161	2.3	66
457	Simple ethanol impregnation treatment can enhance photocatalytic activity of TiO2 nanoparticles under visible-light irradiation. *ACS Applied Materials & Interfaces*, **2015**, 7, 7752-8	9.5	65
456	Hierarchical heterostructures of p-type BiOCl nanosheets on electrospun n-type TiO2 nanofibers with enhanced photocatalytic activity. *Catalysis Communications*, **2015**, 67, 6-10	3.2	65
455	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
454	An electron-rich free-standing carbon@Au core-shell nanofiber network as a highly active and recyclable catalyst for the reduction of 4-nitrophenol. *Physical Chemistry Chemical Physics*, **2013**, 15, 10453-8	3.6	65
453	Toward a generalized Bienenstock-Cooper-Munro rule for spatiotemporal learning via triplet-STDP in memristive devices. *Nature Communications*, **2020**, 11, 1510	17.4	64
452	Solar photocatalytic activities of porous Nb-doped TiO2 microspheres prepared by ultrasonic spray pyrolysis. *Solid State Sciences*, **2012**, 14, 139-144	3.4	64

451	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
450	BiOCl nanosheets immobilized on electrospun polyacrylonitrile nanofibers with high photocatalytic activity and reusable property. *Applied Surface Science*, **2013**, 285, 509-516	6.7	61
449	Electrically pumped near-ultraviolet lasing from ZnO/MgO core/shell nanowires. *Applied Physics Letters*, **2011**, 99, 063115	3.4	61
448	Resonant Raman scattering and photoluminescence from high-quality nanocrystalline ZnO thin films prepared by thermal oxidation of ZnS thin films. *Journal Physics D: Applied Physics*, **2001**, 34, 3430-3433	3	61
447	Electrospun nanofibers of p-type BiFeO3/n-type TiO2 hetero-junctions with enhanced visible-light photocatalytic activity. *RSC Advances*, **2014**, 4, 31941	3.7	60
446	The optical properties of ZnO films grown on porous Si templates. *Journal Physics D: Applied Physics* , **2003**, 36, 2705-2708	3	60
445	Growth of single-crystalline rutile TiO2 nanowire array on titanate nanosheet film for dye-sensitized solar cells. *Journal of Materials Chemistry*, **2012**, 22, 6389		59
444	Fabrication, structure, and enhanced photocatalytic properties of hierarchical CeO2 nanostructures/TiO2 nanofibers heterostructures. *Materials Research Bulletin*, **2010**, 45, 1406-1412	5.1	59
443	Electrical and structural properties of p-type ZnO:N thin films prepared by plasma enhanced chemical vapour deposition. *Semiconductor Science and Technology*, **2005**, 20, 796-800	1.8	59
442	Preparation and characterization of ZnO particles embedded in SiO2 matrix by reactive magnetron sputtering. *Journal of Applied Physics*, **2005**, 97, 103509	2.5	59
441	Iron phthalocyanine/TiO2 nanofiber heterostructures with enhanced visible photocatalytic activity assisted with H2O2. *Journal of Hazardous Materials*, **2012**, 219-220, 156-63	12.8	57
440	The photoluminescence properties of ZnO:N films fabricated by thermally oxidizing Zn3N2films using plasma-assisted metal-organic chemical vapour deposition. *Journal of Physics Condensed Matter*, **2004**, 16, 4635-4642	1.8	56
439	3D MoS 2 nanosheet/TiO 2 nanofiber heterostructures with enhanced photocatalytic activity under UV irradiation. *Journal of Alloys and Compounds*, **2016**, 686, 137-144	5.7	55
438	Effects of thermal annealing on ZnO films grown by plasma enhanced chemical vapour deposition from Zn(C2H5)2and CO2gas mixtures. *Journal Physics D: Applied Physics*, **2003**, 36, 719-722	3	55
437	Enhanced photoelectrochemical performance of nanoporous BiVO 4 photoanode by combining surface deposited cobalt-phosphate with hydrogenation treatment. *Electrochimica Acta*, **2016**, 195, 51-58	6.7	55
436	Highly stable copper wire/alumina/polyimide composite films for stretchable and transparent heaters. *Journal of Materials Chemistry C*, **2016**, 4, 3581-3591	7.1	54
435	Multi-heterojunction photocatalysts based on WO3 nanorods: Structural design and optimization for enhanced photocatalytic activity under visible light. *Chemical Engineering Journal*, **2014**, 237, 29-37	14.7	54
434	Surface oxygen vacancies on WO 3 contributed to enhanced photothermo-synergistic effect. *Applied Surface Science*, **2017**, 391, 654-661	6.7	54

433	Single-phased white-emitting 12CaO·7Al2O3:Ce3+, Dy3+ phosphors with suitable electrical conductivity for field emission displays. *Journal of Materials Chemistry*, **2012**, 22, 16839		54
432	In situ generation of well-dispersed ZnO quantum dots on electrospun silica nanotubes with high photocatalytic activity. *ACS Applied Materials & Interfaces*, **2012**, 4, 785-90	9.5	54
431	Photocatalytic and photoelectrochemical studies on N-doped TiO2 photocatalyst. *Journal of Photochemistry and Photobiology A: Chemistry*, **2009**, 202, 39-47	4.7	54
430	Nitrogen-related recombination mechanisms in p-type ZnO films grown by plasma-assisted molecular beam epitaxy. *Journal of Applied Physics*, **2007**, 102, 043522	2.5	54
429	Effects of RF power on properties of ZnO thin films grown on Si (001) substrate by plasma enhanced chemical vapor deposition. *Journal of Crystal Growth*, **2003**, 249, 179-185	1.6	54
428	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
427	CuO nanoparticles/nitrogen-doped carbon nanofibers modified glassy carbon electrodes for non-enzymatic glucose sensors with improved sensitivity. *Ceramics International*, **2016**, 42, 11285-11293	5.1	53
426	High-Performance, Ultrathin, Ultraflexible Organic Thin-Film Transistor Array Via Solution Process. *Small*, **2018**, 14, e1801020	11	52
425	Heterostructured ZnO/Au nanoparticles-based resonant Raman scattering for protein detection. *Journal of Physical Chemistry B*, **2009**, 113, 1468-72	3.4	52
424	The synthesis and optical properties of the heterostructured ZnO/Au nanocomposites. *Journal of Colloid and Interface Science*, **2008**, 326, 392-5	9.3	52
423	Interface State-Induced Negative Differential Resistance Observed in Hybrid Perovskite Resistive Switching Memory. *ACS Applied Materials & Interfaces*, **2018**, 10, 21755-21763	9.5	51
422	Memristors with organic-inorganic halide perovskites. *InformaMaterly*, **2019**, 1, 183	23.1	50
421	Bioinspired preparation of ultrathin SiO(2) shell on ZnO nanowire array for ultraviolet-durable superhydrophobicity. *Langmuir*, **2009**, 25, 13619-24	4	50
420	Room-temperature blue luminescence from ZnO:Er thin films. *Thin Solid Films*, **2002**, 413, 257-261	2.2	50
419	Preparation of ZnO colloids by aggregation of the nanocrystal subunits. *Journal of Colloid and Interface Science*, **2005**, 283, 380-4	9.3	50
418	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
417	Stretchable and conformable synapse memristors for wearable and implantable electronics. *Nanoscale*, **2018**, 10, 18135-18144	7.7	49
416	Effects of pectin structure and crosslinking method on the properties of crosslinked pectin nanofibers. *Carbohydrate Polymers*, **2017**, 157, 766-774	10.3	49

415	Dandelion-like Fe3O4@CuTNPc hierarchical nanostructures as a magnetically separable visible-light photocatalyst. *Journal of Materials Chemistry*, **2011**, 21, 12083		49
414	Rutile TiO2 nanowires on anatase TiO2 nanofibers: a branched heterostructured photocatalysts via interface-assisted fabrication approach. *Journal of Colloid and Interface Science*, **2011**, 363, 157-64	9.3	48
413	Enhanced waveguide-type ultraviolet electroluminescence from ZnO/MgZnO core/shell nanorod array light-emitting diodes via coupling with Ag nanoparticles localized surface plasmons. *Nanoscale*, **2015**, 7, 1073-80	7.7	47
412	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
411	One-dimensional nanostructure field-effect sensors for gas detection. *Sensors*, **2014**, 14, 13999-4020	3.8	46
410	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
409	Photocatalytic Reduction of Graphene Oxide-TiO Nanocomposites for Improving Resistive-Switching Memory Behaviors. *Small*, **2018**, 14, e1801325	11	45
408	Rutile TiO2 nanowire array infiltrated with anatase nanoparticles as photoanode for dye-sensitized solar cells: enhanced cell performance via the rutile–anatase heterojunction. *Journal of Materials Chemistry A*, **2013**, 1, 3309	13	45
407	ZnO ultraviolet random laser diode on metal copper substrate. *Optics Express*, **2014**, 22, 16731-7	3.3	45
406	Stability of p-type conductivity in nitrogen-doped ZnO thin film. *Applied Physics Letters*, **2008**, 92, 052106	3.4	45
405	Pectinate nanofiber mat with high absorbency and antibacterial activity: A potential superior wound dressing to alginate and chitosan nanofiber mats. *Carbohydrate Polymers*, **2017**, 174, 591-600	10.3	44
404	Production, structure, and optical properties of ZnO nanocrystals embedded in CaF2 matrix. *Applied Physics Letters*, **2003**, 83, 1210-1212	3.4	44
403	Reversible alternation between bipolar and unipolar resistive switching in Ag/MoS2/Au structure for multilevel flexible memory. *Journal of Materials Chemistry C*, **2018**, 6, 7195-7200	7.1	44
402	Multifunctional ZnO/Ag nanorod array as highly sensitive substrate for surface enhanced Raman detection. *Colloids and Surfaces B: Biointerfaces*, **2012**, 94, 157-62	6	43
401	Synthesis and characterization of Sb/CNT and Bi/CNT composites as anode materials for lithium-ion batteries. *Materials Letters*, **2008**, 62, 2092-2095	3.3	43
400	Polylactide nanofibers delivering doxycycline for chronic wound treatment. *Materials Science and Engineering C*, **2019**, 104, 109745	8.3	42
399	Enhanced photoelectrochemical water splitting on hematite thin film with layer-by-layer deposited ultrathin TiO2 underlayer. *International Journal of Hydrogen Energy*, **2014**, 39, 16212-16219	6.7	42
398	Morphologically-tunable TiO2 nanorod film with high energy facets: green synthesis, growth mechanism and photocatalytic activity. *Nanoscale*, **2012**, 4, 5023-30	7.7	42

397	Excitonic properties of ZnO nanocrystalline films prepared by oxidation of zinc-implanted silica. *Journal Physics D: Applied Physics*, **2004**, 37, 3025-3029	3	42
396	Nanofibers of LiMn2O4 by electrospinning. *Journal of Colloid and Interface Science*, **2005**, 285, 163-6	9.3	42
395	Revisiting Pt/TiO photocatalysts for thermally assisted photocatalytic reduction of CO. *Nanoscale*, **2020**, 12, 7000-7010	7.7	42
394	Flexible, Conformal Organic Synaptic Transistors on Elastomer for Biomedical Applications. *Advanced Functional Materials*, **2019**, 29, 1901107	15.6	40
393	Enhanced ultraviolet emission and improved spatial distribution uniformity of ZnO nanorod array light-emitting diodes via Ag nanoparticles decoration. *Nanoscale*, **2013**, 5, 8634-9	7.7	40
392	Up-Conversion Luminescence of NaYF4:Yb3+/Er3+ Nanoparticles Embedded into PVP Nanotubes with Controllable Diameters. *Journal of Physical Chemistry C*, **2012**, 116, 5787-5791	3.8	40
391	Preferred orientation of ZnO nanoparticles formed by post-thermal annealing zinc implanted silica. *Solid State Communications*, **2002**, 121, 531-536	1.6	40
390	Flexible solid-state supercapacitors based on freestanding electrodes of electrospun polyacrylonitrile@polyaniline core-shell nanofibers. *Electrochimica Acta*, **2015**, 176, 293-300	6.7	39
389	Photoassisted Electroforming Method for Reliable Low-Power Organic–Inorganic Perovskite Memristors. *Advanced Functional Materials*, **2020**, 30, 1910151	15.6	39
388	Effect of SiO2 Spacer-Layer Thickness on Localized Surface Plasmon-Enhanced ZnO Nanorod Array LEDs. *ACS Applied Materials & Interfaces*, **2016**, 8, 1653-60	9.5	39
387	Coexistence of an anatase/TiO2(B) heterojunction and an exposed (001) facet in TiO2 nanoribbon photocatalysts synthesized via a fluorine-free route and topotactic transformation. *Nanoscale*, **2014**, 6, 5329-37	7.7	39
386	Enhanced electrochromic properties of a TiO2 nanowire array via decoration with anatase nanoparticles. *Journal of Materials Chemistry C*, **2014**, 2, 7891	7.1	39
385	Controllable fabrication of cadmium phthalocyanine nanostructures immobilized on electrospun polyacrylonitrile nanofibers with high photocatalytic properties under visible light. *Catalysis Communications*, **2011**, 12, 880-885	3.2	39
384	Enhanced ultraviolet emission from highly dispersed ZnO quantum dots embedded in poly(vinyl pyrrolidone) electrospun nanofibers. *Journal of Colloid and Interface Science*, **2010**, 347, 215-20	9.3	39
383	The photoluminescence of ZnO thin films grown on Si (1 0 0) substrate by plasma-enhanced chemical vapor deposition. *Journal of Crystal Growth*, **2002**, 240, 479-483	1.6	39
382	Enhanced Solar Photothermal Catalysis over Solution Plasma Activated TiO. *Advanced Science*, **2020** , 7, 2000204	13.6	38
381	Octahedral-Like CuO/InO Mesocages with Double-Shell Architectures: Rational Preparation and Application in Hydrogen Sulfide Detection. *ACS Applied Materials & Interfaces*, **2017**, 9, 44632-44640	9.5	38
380	Effect of oxygen-related surface adsorption on the efficiency and stability of ZnO nanorod array ultraviolet light-emitting diodes. *Applied Physics Letters*, **2012**, 100, 203101	3.4	38

379	Zinc phthalocyanine hierarchical nanostructure with hollow interior space: solvent-thermal synthesis and high visible photocatalytic property. *Journal of Colloid and Interface Science*, **2010**, 348, 37-42	9.3	38
378	The structure and photoluminescence of ZnO films prepared by post-thermal annealing zinc-implanted silica. *Journal of Crystal Growth*, **2002**, 240, 152-156	1.6	38
377	Freestanding hierarchically porous carbon framework decorated by polyaniline as binder-free electrodes for high performance supercapacitors. *Journal of Power Sources*, **2016**, 329, 516-524	8.9	38
376	Cross-Linked Pectin Nanofibers with Enhanced Cell Adhesion. *Biomacromolecules*, **2018**, 19, 490-498	6.9	37
375	Assembling n-Bi2MoO6 Nanosheets on Electrospun p-CuAl2O4 Hollow Nanofibers: Enhanced Photocatalytic Activity Based on Highly Efficient Charge Separation and Transfer. *ACS Sustainable Chemistry and Engineering*, **2018**, 6, 10714-10723	8.3	37
374	Photocatalytic activities of heterostructured TiO2-graphene porous microspheres prepared by ultrasonic spray pyrolysis. *Journal of Alloys and Compounds*, **2014**, 584, 180-184	5.7	37
373	Nanofibers and nanoplatelets of MoO3 via an electrospinning technique. *Journal of Physics and Chemistry of Solids*, **2006**, 67, 1869-1872	3.9	37
372	Reducing the content of carrier polymer in pectin nanofibers by electrospinning at low loading followed with selective washing. *Materials Science and Engineering C*, **2016**, 59, 885-893	8.3	36
371	Formation of holographic fringes on photochromic Ag/TiO2 nanocomposite films. *Applied Physics Letters*, **2009**, 94, 074104	3.4	36
370	Preparation of LiCoO2 nanofibers by electrospinning technique. *Journal of Physics and Chemistry of Solids*, **2006**, 67, 1423-1426	3.9	36
369	MgO nanofibres via an electrospinning technique. *Journal of Materials Science*, **2006**, 41, 3821-3824	4.3	36
368	Structural and optical properties of MgxZn1−xO thin films prepared by the sol–gel method. *Journal of Crystal Growth*, **2002**, 234, 427-430	1.6	36
367	Transferable and Flexible Artificial Memristive Synapse Based on WOx Schottky Junction on Arbitrary Substrates. *Advanced Electronic Materials*, **2018**, 4, 1800373	6.4	36
366	Interplay between Static and Dynamic Energy Transfer in Biofunctional Upconversion Nanoplatforms. *Journal of Physical Chemistry Letters*, **2015**, 6, 2518-23	6.4	35
365	Ultrasensitive Flexible Proximity Sensor Based on Organic Crystal for Location Detection. *ACS Applied Materials & Interfaces*, **2018**, 10, 2785-2792	9.5	35
364	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
363	Controllable fabrication of oriented micro/nanowire arrays of dibenzo-tetrathiafulvalene by a multiple drop-casting method. *Nanoscale*, **2014**, 6, 1323-8	7.7	35
362	Photovoltaic properties of graphene oxide sheets beaded with ZnO nanoparticles. *Journal of Solid State Chemistry*, **2011**, 184, 881-887	3.3	35

361	Enhanced near-UV electroluminescence from p-GaN/i-Al2O3/n-ZnO heterojunction LEDs by optimizing the insulator thickness and introducing surface plasmons of Ag nanowires. *Journal of Materials Chemistry C*, **2017**, 5, 3288-3295	7.1	34
360	Structural and optical properties of nanocrystalline ZnO films grown by cathodic electrodeposition on Si substrates. *Physica B: Condensed Matter*, **2002**, 322, 31-36	2.8	34
359	Cycling-Induced Degradation of Organic–Inorganic Perovskite-Based Resistive Switching Memory. *Advanced Materials Technologies*, **2019**, 4, 1800238	6.8	34
358	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
357	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
356	In[illegible]/carbon nanofibers/Au ternary synergetic system: hierarchical assembly and enhanced visible-light photocatalytic activity. *Journal of Hazardous Materials*, **2015**, 283, 599-607	12.8	33
355	Accurate identification of layer number for few-layer WS and WSe via spectroscopic study. *Nanotechnology*, **2018**, 29, 124001	3.4	33
354	Localized surface plasmon-enhanced ultraviolet electroluminescence from n-ZnO/i-ZnO/p-GaN heterojunction light-emitting diodes via optimizing the thickness of MgO spacer layer. *Applied Physics Letters*, **2012**, 101, 142101	3.4	33
353	Photoluminescence study of ZnO nanotubes under hydrostatic pressure. *Applied Physics Letters*, **2006**, 88, 133127	3.4	33
352	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
351	Simple route to self-assembled BiOCl networks photocatalyst from nanosheet with exposed (001) facet. *Micro and Nano Letters*, **2012**, 7, 152	0.9	32
350	Excitonic electroluminescence from ZnO-based heterojunction light emitting diodes. *Journal Physics D: Applied Physics*, **2008**, 41, 155103	3	32
349	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
348	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
347	Significant improvement of near-UV electroluminescence from ZnO quantum dot LEDs via coupling with carbon nanodot surface plasmons. *Nanoscale*, **2017**, 9, 14592-14601	7.7	30
346	Solvothermal synthesis and electrochemical properties of 3D flower-like iron phthalocyanine hierarchical nanostructure. *Nanoscale*, **2011**, 3, 5126	7.7	30
345	Pulsed laser deposition of high Mg-content MgZnO films: Effects of substrate temperature and oxygen pressure. *Journal of Applied Physics*, **2009**, 106, 073518	2.5	30
344	High intense UV-luminescence of nanocrystalline ZnO thin films prepared by thermal oxidation of ZnS thin films. *Journal of Crystal Growth*, **2002**, 240, 463-466	1.6	30

343	Heterojunctions of p-BiOI Nanosheets/n-TiO2 Nanofibers: Preparation and Enhanced Visible-Light Photocatalytic Activity. *Materials*, **2016**, 9,	3.5	30
342	Graphitic carbon nitride/BiOI loaded on electrospun silica nanofibers with enhanced photocatalytic activity. *Applied Surface Science*, **2018**, 455, 952-962	6.7	29
341	A facile fabrication of nitrogen-doped electrospun In 2 O 3 nanofibers with improved visible-light photocatalytic activity. *Applied Surface Science*, **2017**, 391, 668-676	6.7	29
340	Heteroepitaxial Growth and Spatially Resolved Cathodoluminescence of ZnO/MgZnO Coaxial Nanorod Arrays. *Journal of Physical Chemistry C*, **2010**, 114, 16148-16152	3.8	29
339	Structural properties and photoluminescence of ZnO nanowalls prepared by two-step growth with oxygen-plasma-assisted molecular beam epitaxy. *Journal of Physics Condensed Matter*, **2005**, 17, 3035-3042	1.8	29
338	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
337	The structure and photoluminescence properties of ZnO nanobelts prepared by a thermal evaporation process. *Journal of Luminescence*, **2009**, 129, 340-343	3.8	28
336	Electrospun nanofibers of poly(ethylene oxide)/teraamino-phthalocyanine copper(II) hybrids and its photoluminescence properties. *Journal of Physics and Chemistry of Solids*, **2007**, 68, 2337-2340	3.9	28
335	Effect of the growth temperature on ZnO thin films grown by plasma enhanced chemical vapor deposition. *Thin Solid Films*, **2002**, 414, 170-174	2.2	28
334	Structure and photoluminescence properties of ZnO microrods. *Journal of Applied Physics*, **2003**, 94, 5605-5608	2.5	28
333	Growth of ultrathin SiO2 on Si by surface irradiation with an O2+Ar electron cyclotron resonance microwave plasma at low temperatures. *Journal of Applied Physics*, **1999**, 85, 1911-1915	2.5	28
332	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
331	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
330	Thermally Stable Pyrochlore Y2Ti2O7: Eu3+ Orange-Red Emitting Phosphors. *Journal of the American Ceramic Society*, **2012**, 95, 658-662	3.8	27
329	Effects of compliance currents on the formation and rupture of conducting filaments in unipolar resistive switching of CoO film. *Journal Physics D: Applied Physics*, **2010**, 43, 385105	3	27
328	Three-dimensional hierarchical CeO2 nanowalls/TiO2 nanofibers heterostructure and its high photocatalytic performance. *Journal of Sol-Gel Science and Technology*, **2010**, 55, 105-110	2.3	27
327	Formation and luminescence of ZnO nanoparticles embedded in MgO films. *Physical Review B*, **2005**, 71,	3.3	27
326	Effects of thermal annealing on the structural and optical properties of Mg(x)Zn(1-x)O nanocrystals. *Journal of Colloid and Interface Science*, **2005**, 283, 513-7	9.3	27

325	Protecting hydrogenation-generated oxygen vacancies in BiVO4 photoanode for enhanced water oxidation with conformal ultrathin amorphous TiO2 layer. *Applied Surface Science*, **2017**, 403, 389-395	6.7	26
324	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
323	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
322	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
321	Immobilization of ZnO/polyaniline heterojunction on electrospun polyacrylonitrile nanofibers and enhanced photocatalytic activity. *Materials Chemistry and Physics*, **2018**, 214, 507-515	4.4	26
320	. *IEEE Journal of the Electron Devices Society*, **2018**, 6, 714-720	2.3	26
319	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
318	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
317	Moisture-powered memristor with interfacial oxygen migration for power-free reading of multiple memory states. *Nano Energy*, **2020**, 71, 104628	17.1	25
316	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
315	Fabrication of Cr2O3/Al2O3 composite nanofibers by electrospinning. *Journal of Materials Science*, **2007**, 42, 8470-8472	4.3	25
314	Photoluminescence of F-passivated ZnO nanocrystalline films made from thermally oxidized ZnF2films. *Journal of Physics Condensed Matter*, **2004**, 16, 5143-5150	1.8	25
313	Fabrication of efficient PbS colloidal quantum dot solar cell with low temperature sputter-deposited ZnO electron transport layer. *Solar Energy Materials and Solar Cells*, **2017**, 169, 264-269	6.4	24
312	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
311	Bi2WO6/ZnFe2O4 heterostructures nanofibers: Enhanced visible-light photocatalytic activity and magnetically separable property. *Materials Research Bulletin*, **2018**, 104, 124-133	5.1	24
310	Flexible transparent heaters based on silver nanotrough meshes. *Journal of Alloys and Compounds*, **2016**, 664, 764-769	5.7	24
309	Size-dependent photochromism-based holographic storage of Ag/TiO2 nanocomposite film. *Applied Physics Letters*, **2011**, 98, 221905	3.4	24
308	The ultralow driven current ultraviolet-blue light-emitting diode based on n-ZnO nanowires/i-polymer/p-GaN heterojunction. *Applied Physics Letters*, **2010**, 97, 173508	3.4	24

307	Magnetic-field-assisted rapid ultrasensitive immunoassays using Fe3O4/ZnO/Au nanorices as Raman probes. *Biosensors and Bioelectronics*, **2010**, 26, 918-22	11.8	24
306	Heterostructures of ZnO Microrods Coated with Iron Oxide Nanoparticles. *Journal of Physical Chemistry C*, **2008**, 112, 15980-15984	3.8	24
305	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
304	Controlled synthesis of Ag-coated TiO2 nanofibers and their enhanced effect in photocatalytic applications. *Applied Surface Science*, **2013**, 280, 720-725	6.7	23
303	Improved resistive switching reliability by using dual-layer nanoporous carbon structure. *Applied Physics Letters*, **2017**, 111, 183504	3.4	23
302	Oxygen-concentration effect on p-type CuAlOx resistive switching behaviors and the nature of conducting filaments. *Applied Physics Letters*, **2014**, 104, 093512	3.4	23
301	A new approach to white light emitting diodes of p-GaN/i-ZnO/n-ZnO heterojunctions. *Applied Physics B: Lasers and Optics*, **2008**, 92, 185-188	1.9	23
300	ZnO hexagonal prisms grown onto p-Si (111) substrate from poly (vinylpyrrolidone) assisted electrochemical assembly. *Journal of Crystal Growth*, **2006**, 290, 405-409	1.6	23
299	Sp2 clustering-induced improvement of resistive switching uniformity in Cu/amorphous carbon/Pt electrochemical metallization memory. *Journal of Materials Chemistry C*, **2017**, 5, 5420-5425	7.1	22
298	Analog□Digital Hybrid Memristive Devices for Image Pattern Recognition with Tunable Learning Accuracy and Speed. *Small Methods*, **2019**, 3, 1900160	12.8	22
297	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
296	Crosslinked pectin nanofibers with well-dispersed Ag nanoparticles: Preparation and characterization. *Carbohydrate Polymers*, **2018**, 199, 68-74	10.3	22
295	High ON/OFF ratio single crystal transistors based on ultrathin thienoacene microplates. *Journal of Materials Chemistry C*, **2014**, 2, 5382-5388	7.1	22
294	Controllable synthesis of Zn2TiO4@carbon core/shell nanofibers with high photocatalytic performance. *Journal of Hazardous Materials*, **2012**, 229-230, 265-72	12.8	22
293	Detection of label-free H2O2 based on sensitive Au nanorods as sensor. *Colloids and Surfaces B: Biointerfaces*, **2013**, 102, 327-30	6	22
292	The optical properties of ZnO hexagonal prisms grown from poly (vinylpyrrolidone)-assisted electrochemical assembly onto Si (111) substrate. *Journal of Chemical Physics*, **2005**, 122, 174703	3.9	22
291	The effect of surface properties on visible luminescence of nanosized colloidal ZnO membranes. *Journal of Colloid and Interface Science*, **2005**, 282, 403-7	9.3	22
290	Fabrication of g-C3N4/SiO2-Au composite nanofibers with enhanced visible photocatalytic activity. *Ceramics International*, **2017**, 43, 15699-15707	5.1	22

289	Fabrication of silver nanowires and metal oxide composite transparent electrodes and their application in UV light-emitting diodes. *Journal Physics D: Applied Physics*, **2016**, 49, 325103	3	22
288	Correlation between band alignment and enhanced photocatalysis: a case study with anatase/TiO2(B) nanotube heterojunction. *Dalton Transactions*, **2015**, 44, 13331-9	4.3	21
287	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
286	Forming-free electrochemical metallization resistive memory devices based on nanoporous TiOxNy thin film. *Journal of Alloys and Compounds*, **2016**, 656, 612-617	5.7	21
285	Flexible, high-sensitive, and wearable strain sensor based on organic crystal for human motion detection. *Organic Electronics*, **2018**, 61, 304-311	3.5	21
284	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
283	Influence of Flux on Morphology and Luminescence Properties of Phosphors: A Case Study on Y1.55Ti2O7:0.45Eu3+. *Journal of the American Ceramic Society*, **2012**, 95, 1447-1453	3.8	21
282	Size-controlled growth of ZnO nanowires by catalyst-free high-pressure pulsed laser deposition and their optical properties. *AIP Advances*, **2011**, 1, 022145	1.5	21
281	The infrared fingerprint signals of silica nanoparticles and its application in immunoassay. *Applied Physics Letters*, **2012**, 100, 013701	3.4	21
280	The effect of nitrogen on the microstructure and the luminescence properties of a-C:H thin films. *Solid State Communications*, **1996**, 100, 597-602	1.6	21
279	Bright and High-Color-Rendering White Light-Emitting Diode Using Color-Tunable Oxychloride and Oxyfluoride Phosphors. *Journal of Physical Chemistry C*, **2016**, 120, 18713-18720	3.8	20
278	Waveband-dependent photochemical processing of graphene oxide in fabricating reduced graphene oxide film and graphene oxide–Ag nanoparticles film. *RSC Advances*, **2014**, 4, 2404-2408	3.7	20
277	A multiphase strategy for realizing green cathodoluminescence in 12CaO·7Al2O3-CaCeAl3O7:Ce3+,Tb3+ conductive phosphor. *Dalton Transactions*, **2013**, 42, 16311-7	4.3	20
276	Photoluminescence properties of highly dispersed ZnO quantum dots in polyvinylpyrrolidone nanotubes prepared by a single capillary electrospinning. *Journal of Chemical Physics*, **2008**, 129, 114708	3.9	20
275	Electrical transport properties in nitrogen-doped p-type ZnO thin film. *Semiconductor Science and Technology*, **2006**, 21, 1522-1526	1.8	20
274	Photo-induced birefringence and polarization holography in polymer films containing spirooxazine compounds pre-irradiated by UV light. *Optics Communications*, **2004**, 242, 115-122	2	20
273	The structure and character of CdSe nanocrystals capped ZnO layer for phase transfer from hexane to ethanol solution. *Surface Science*, **2005**, 582, 61-68	1.8	20
272	Sub-Femtojoule-Energy-Consumption Conformable Synaptic Transistors Based on Organic Single-Crystalline Nanoribbons. *Advanced Functional Materials*, **2021**, 31, 2007894	15.6	20

271	Bilayer TiO2 photoanode consisting of a nanowire□anoparticle bottom layer and a spherical voids scattering layer for dye-sensitized solar cells. *New Journal of Chemistry*, **2015**, 39, 4845-4851	3.6	19
270	MoSe2/TiO2 Nanofibers for Cycling Photocatalytic Removing Water Pollutants under UV□Vis□NIR Light. *ACS Applied Nano Materials*, **2020**, 3, 2278-2287	5.6	19
269	Complementary Resistive Switching Observed in Graphene Oxide-Based Memory Device. *IEEE Electron Device Letters*, **2018**, 39, 488-491	4.4	19
268	Reliability Improvement of Amorphous Carbon Based Resistive Switching Memory by Inserting Nanoporous Layer. *IEEE Electron Device Letters*, **2016**, 37, 1430-1433	4.4	19
267	Coexistence of bipolar and unipolar resistive switching behaviors in the double-layer Ag/ZnS-Ag/CuAlO2/Pt memory device. *Applied Surface Science*, **2016**, 360, 338-341	6.7	19
266	Ionic Liquid-Assisted Improvements in the Thermal Stability of CH3NH3PbI3 Perovskite Photovoltaics. *Physica Status Solidi - Rapid Research Letters*, **2018**, 12, 1800130	2.5	19
265	Controlled Gas Molecules Doping of Monolayer MoS via Atomic-Layer-Deposited AlO Films. *ACS Applied Materials & Interfaces*, **2017**, 9, 27402-27408	9.5	19
264	Wafer-Scale Coplanar Electrodes for 3D Conformal Organic Single-Crystal Circuits. *Advanced Electronic Materials*, **2015**, 1, 1500239	6.4	19
263	The effect of PVP on the formation and optical properties ZnO/Ag nanocomposites. *Colloids and Surfaces A: Physicochemical and Engineering Aspects*, **2012**, 405, 1-5	5.1	19
262	Controlled synthesis of PAN/Ag2S composites nanofibers via electrospinning-assisted hydro(solvo)thermal method. *Journal of Non-Crystalline Solids*, **2011**, 357, 1488-1493	3.9	19
261	A simple route to controllable growth of ZnO nanorod arrays on conducting substrates. *CrystEngComm*, **2010**, 12, 940-946	3.3	19
260	Photoinduced anisotropy and polarization holographic gratings formed in Ag/TiO2 nanocomposite films. *Applied Optics*, **2012**, 51, 3357-63	1.7	19
259	Electrospun nanofibers of poly(acrylonitrile)/Eu3+ and their photoluminescence properties. *Journal of Physics and Chemistry of Solids*, **2010**, 71, 273-278	3.9	19
258	Ultraflexible, Degradable Organic Synaptic Transistors Based on Natural Polysaccharides for Neuromorphic Applications. *Advanced Functional Materials*, **2020**, 30, 2006271	15.6	19
257	Highly photosensitive thienoacene single crystal microplate transistors via optimized dielectric. *Organic Electronics*, **2015**, 16, 171-176	3.5	18
256	Ultra-facile and rapid colorimetric detection of Cu with branched polyethylenimine in 100% aqueous solution. *Analyst, The*, **2018**, 143, 409-414	5	18
255	Blu-ray-sensitive localized surface plasmon resonance for high-density optical memory. *Scientific Reports*, **2016**, 6, 36701	4.9	18
254	Photolithography-compatible conformal electrodes for high-performance bottom-contact organic single-crystal transistors. *Journal of Materials Chemistry C*, **2017**, 5, 12699-12706	7.1	18

253	Multifunctional Fe3O4/ZnO nanocomposites with magnetic and optical properties. *Journal of Nanoscience and Nanotechnology*, **2010**, 10, 1992-7	1.3	18
252	Effects of thermal treatment on the properties of ZnO films deposited on MgO-buffered Si substrates. *Journal of Crystal Growth*, **2003**, 254, 86-91	1.6	18
251	Growth of high quality ZnO thin films at low temperature on Si(100) substrates by plasma enhanced chemical vapor deposition. *Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films*, **2002**, 20, 265-269	2.9	18
250	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
249	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
248	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
247	Adsorption Energy Optimization of Co3O4 through Rapid Surface Sulfurization for Efficient Counter Electrode in Dye-Sensitized Solar Cells. *Journal of Physical Chemistry C*, **2017**, 121, 12524-12530	3.8	17
246	Fully transparent conformal organic thin-film transistor array and its application as LED front driving. *Nanoscale*, **2018**, 10, 3613-3620	7.7	17
245	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
244	Synthesis of heteroarchitectures of PbS nanostructures well-erected on electrospun TiO2 nanofibers. *Journal of Colloid and Interface Science*, **2010**, 346, 324-9	9.3	17
243	Photoreduced nanocomposites of graphene oxide/N-doped carbon dots toward all-carbon memristive synapses. *NPG Asia Materials*, **2020**, 12,	10.3	17
242	Enhancement of Exciton Emission from Multilayer MoS at High Temperatures: Intervalley Transfer versus Interlayer Decoupling. *Small*, **2017**, 13, 1700157	11	16
241	Polarization-Controlled Bicolor Recording Enhances Holographic Memory in Ag/TiO2 Nanocomposite Films. *Journal of Physical Chemistry C*, **2015**, 119, 18559-18566	3.8	16
240	The Auger process in multilayer WSe crystals. *Nanoscale*, **2018**, 10, 17585-17592	7.7	16
239	Enhanced Electroluminescence from ZnO Quantum Dot Light-Emitting Diodes via Introducing Al2O3 Retarding Layer and Ag@ZnO Hybrid Nanodots. *Advanced Optical Materials*, **2017**, 5, 1700493	8.1	16
238	Red-emitting LiEuMo2□SixO8 phosphors for white light-emitting diodes. *Journal of Luminescence*, **2011**, 131, 653-656	3.8	16
237	Growth and optical properties of ZnO nanorods by introducing ZnO sols prior to hydrothermal process. *Materials Letters*, **2007**, 61, 3578-3581	3.3	16
236	Photochromism and holographic recording in polymer film containing chiral azo molecules derived from amino acid. *Optical Materials*, **2003**, 22, 187-192	3.3	16

235	Structure and Photoluminescence of Nano-ZnO Films Grown on a Si (100) Substrate by Oxygen- and Argon-Plasma-Assisted Thermal Evaporation of Metallic Zn. *Chinese Physics Letters*, **2005**, 22, 998-1001	1.8	16
234	Brain-inspired computing via memory device physics. *APL Materials*, **2021**, 9, 050702	5.7	16
233	Humidity Effect on Resistive Switching Characteristics of the CHNHPbI Memristor. *ACS Applied Materials & Interfaces*, **2021**, 13, 28555-28563	9.5	16
232	Increased open-circuit voltage of ZnO nanowire/PbS quantum dot bulk heterojunction solar cells with solution-deposited Mg(OH)2 interlayer. *Physica Status Solidi - Rapid Research Letters*, **2016**, 10, 745-748	2.5	16
231	Laser-induced formation of Au/Pt nanorods with peroxidase mimicking and SERS enhancement properties for application to the colorimetric determination of HO. *Mikrochimica Acta*, **2018**, 185, 445	5.8	16
230	Plasmonic Optoelectronic Memristor Enabling Fully Light-Modulated Synaptic Plasticity for Neuromorphic Vision.. *Advanced Science*, **2021**, e2104632	13.6	16
229	Improved resistive switching characteristics by introducing Ag-nanoclusters in amorphous-carbon memory. *Materials Letters*, **2015**, 154, 98-102	3.3	15
228	Bismuth oxychloride/carbon nanofiber heterostructures for the degradation of 4-nitrophenol. *CrystEngComm*, **2015**, 17, 7276-7282	3.3	15
227	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
226	Element substitution of kesterite CuZnSnS for efficient counter electrode of dye-sensitized solar cells. *Scientific Reports*, **2018**, 8, 8714	4.9	15
225	Polarization-dependent and rewritable holographic gratings in Ag/TiO2 nanocomposite films. *Optics Communications*, **2014**, 318, 1-6	2	15
224	. *IEEE Electron Device Letters*, **2017**, 38, 1598-1601	4.4	15
223	Conductive SnO2:Sb nanobelts as electrodes for detection of NO2 in ppb level with ultrahigh sensitivity. *Applied Physics Letters*, **2014**, 104, 073112	3.4	15
222	Room temperature excitonic spontaneous and stimulated emission properties in ZnO/MgZnO multiple quantum wells grown on sapphire substrate. *Journal Physics D: Applied Physics*, **2007**, 40, 6541-6544	3	15
221	Immobilization of ultrafine Ag nanoparticles on well-designed hierarchically porous silica for high-performance catalysis. *Journal of Colloid and Interface Science*, **2018**, 530, 345-352	9.3	15
220	Controllable gas selectivity at room temperature based on Ph5T2-modified CuPc nanowire field-effect transistors. *Organic Electronics*, **2017**, 48, 68-76	3.5	14
219	Improvement of resistive switching memory achieved by using arc-shaped bottom electrode. *Applied Physics Express*, **2015**, 8, 014101	2.4	14
218	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

217	One-dimensional heterostructures of beta-nickel hydroxide nanoplates/electrospun carbon nanofibers: Controlled fabrication and high capacitive property. *International Journal of Hydrogen Energy*, **2014**, 39, 16162-16170	6.7	14
216	A novel method for measuring distribution of orientation of one-dimensional ZnO using resonance Raman spectroscopy. *Journal of Raman Spectroscopy*, **2005**, 36, 1101-1105	2.3	14
215	Photoluminescence and Optically Pumped Ultraviolet Lasing from Nanocrystalline ZnO Thin Films Prepared by Thermal Oxidation of High-Quality ZnS Thin Films. *Chinese Physics Letters*, **2002**, 19, 127-130	1.8	14
214	Ultrathin Air-Stable n-Type Organic Phototransistor Array for Conformal Optoelectronics. *Scientific Reports*, **2018**, 8, 16612	4.9	14
213	Enhanced Full-Spectrum-Response Photocatalysis and Reusability of MoSe2 via Hierarchical N-Doped Carbon Nanofibers as Heterostructural Supports. *ACS Sustainable Chemistry and Engineering*, **2018**, 6, 14314-14322	8.3	14
212	The detection of copper ions based on photothermal effect of cysteine modified Au nanorods. *Sensors and Actuators B: Chemical*, **2017**, 248, 761-768	8.5	13
211	SERS-active liposome@Ag/Au nanocomposite for NIR light-driven drug release. *Colloids and Surfaces B: Biointerfaces*, **2017**, 154, 150-159	6	13
210	TiO2 nanoparticle-based electron transport layer with improved wettability for efficient planar-heterojunction perovskite solar cell. *Journal of Energy Chemistry*, **2015**, 24, 717-721	12	13
209	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
208	Brush-controlled oriented growth of TCNQ microwire arrays for field-effect transistors. *Journal of Materials Chemistry C*, **2016**, 4, 433-439	7.1	13
207	Electronic and optoelectronic properties of zinc phthalocyanine single-crystal nanobelt transistors. *Organic Electronics*, **2016**, 30, 158-164	3.5	13
206	TiO2 (B) nanosheets mediate phase selective synthesis of TiO2 nanostructured photocatalyst. *Applied Surface Science*, **2014**, 292, 937-943	6.7	13
205	Electrospinning preparation and photoluminescence properties of poly (methyl methacrylate)/Eu3+ ions composite nanofibers and nanoribbons. *Materials Research Bulletin*, **2012**, 47, 321-327	5.1	13
204	High-Response Identifiable Gas Sensor Based on a Gas-Dielectric ZnPc Nanobelt FET. *IEEE Electron Device Letters*, **2017**, 38, 1586-1589	4.4	13
203	Local microstructure and photoluminescence of Er-doped 12CaO□7Al2O3 powder. *Journal of Rare Earths*, **2008**, 26, 433-438	3.7	13
202	Growth mechanism of ZnO nanocrystals with Zn-rich from dots to rods. *Journal of Colloid and Interface Science*, **2006**, 298, 172-6	9.3	13
201	Abnormal high-temperature luminescence enhancement observed in monolayer MoS2 flakes: thermo-driven transition from negatively charged trions to neutral excitons. *Journal of Materials Chemistry C*, **2016**, 4, 9187-9196	7.1	13
200	Deposition of Pentacene Thin Film on Polydimethylsiloxane Elastic Dielectric Layer for Flexible Thin-Film Transistors. *IEEE Electron Device Letters*, **2017**, 38, 1031-1034	4.4	12

199	The W@WO ohmic contact induces a high-efficiency photooxidation performance. *Dalton Transactions*, **2017**, 46, 1487-1494	4.3	12
198	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
197	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
196	Room temperature immobilized BiOI nanosheets on flexible electrospun polyacrylonitrile nanofibers with high visible-light photocatalytic activity. *Journal of Sol-Gel Science and Technology*, **2016**, 80, 783-792	2.3	12
195	Conformal transistor arrays based on solution-processed organic crystals. *Scientific Reports*, **2017**, 7, 15367	4.9	12
194	Coexistence of unipolar and bipolar modes in Ag/ZnO/Pt resistive switching memory with oxygen-vacancy and metal-Ag filaments. *Chinese Physics B*, **2016**, 25, 127303	1.2	12
193	Crosslinked starch nanofibers with high mechanical strength and excellent water resistance for biomedical applications. *Biomedical Materials (Bristol)*, **2020**, 15, 025007	3.5	12
192	Solution-Grown Serpentine Silver Nanofiber Meshes for Stretchable Transparent Conductors. *Advanced Electronic Materials*, **2018**, 4, 1800346	6.4	12
191	Interspace modification of titania-nanorod arrays for efficient mesoscopic perovskite solar cells. *Applied Surface Science*, **2017**, 402, 86-91	6.7	11
190	Bending-durable colloidal quantum dot solar cell using a ZnO nanowire array as a three-dimensional electron transport layer. *Applied Physics Letters*, **2017**, 110, 163902	3.4	11
189	Gelatin-crosslinked pectin nanofiber mats allowing cell infiltration. *Materials Science and Engineering C*, **2020**, 112, 110941	8.3	11
188	Rationally designed particle preloading method to improve protein delivery performance of electrospun polyester nanofibers. *International Journal of Pharmaceutics*, **2016**, 512, 204-212	6.5	11
187	Solvent-Induced Luminescence Variation of Upconversion Nanoparticles. *Langmuir*, **2016**, 32, 13200-13206	4	11
186	Enhanced Ultraviolet Random Lasing from Au/MgO/ZnO Heterostructure by Introducing p-CuO Hole-Injection Layer. *ACS Applied Materials & Interfaces*, **2016**, 8, 31485-31490	9.5	11
185	Magnetic-bead-based sub-femtomolar immunoassay using resonant Raman scattering signals of ZnS nanoparticles. *Analytical and Bioanalytical Chemistry*, **2016**, 408, 5013-9	4.4	11
184	Highly sensitive H2S sensors based on ultrathin organic single-crystal microplate transistors. *Organic Electronics*, **2016**, 32, 94-99	3.5	11
183	Controllable synthesis and enhanced visible photocatalytic degradation performances of Bi2WO6□arbon nanofibers heteroarchitectures. *Journal of Sol-Gel Science and Technology*, **2014**, 70, 149-158	2.3	11
182	Anisotropic strained cubic MgZnO/MgO multiple-quantum-well nanorods: Growths and optical properties. *Applied Physics Letters*, **2013**, 102, 031905	3.4	11

181	Ultrasensitive protein detection in terms of multiphonon resonance Raman scattering in ZnS nanocrystals. *Applied Physics Letters*, **2011**, 98, 253703	3.4	11
180	Growth and optical properties of ZnO nanostructures by vapor transport process. *Materials Chemistry and Physics*, **2007**, 103, 190-194	4.4	11
179	Facile Fabrication of Ultraflexible Transparent Electrodes Using Embedded Copper Networks for Wearable Pressure Sensors. *Advanced Materials Technologies*, **2020**, 5, 1900823	6.8	11
178	Electrospun CuAl2O4 hollow nanofibers as visible light photocatalyst with enhanced activity and excellent stability under acid and alkali conditions. *CrystEngComm*, **2018**, 20, 312-322	3.3	11
177	High-temperature driven inter-valley carrier transfer and significant fluorescence enhancement in multilayer WS. *Nanoscale Horizons*, **2018**, 3, 598-605	10.8	11
176	p-NiO/n+-Si single heterostructure for one diode-one resistor memory applications. *Journal of Alloys and Compounds*, **2017**, 721, 520-524	5.7	10
175	Engineering fluorescence intensity and electron concentration of monolayer MoS by forming heterostructures with semiconductor dots. *Nanoscale*, **2019**, 11, 6544-6551	7.7	10
174	Flexible, Conformable Organic Semiconductor Proximity Sensor Array for Electronic Skin. *Advanced Materials Interfaces*, **2020**, 7, 2000306	4.6	10
173	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
172	320-nm Flexible Solution-Processed 2,7-dioctyl[1] benzothieno[3,2-b]benzothiophene Transistors. *Materials*, **2017**, 10,	3.5	10
171	Erasure mechanisms of polarization holographic gratings in spirooxazine-doped polymer films. *Journal of Applied Polymer Science*, **2009**, 111, 2157-2162	2.9	10
170	Electrospun nanofibers of NiO/SiO2 composite. *Journal of Physics and Chemistry of Solids*, **2009**, 70, 1374-1377	3.9	10
169	Structural, optical and photoelectric properties of ZnO:In and Mg x Zn1 ⊠ O nanofilms prepared by sol-gel method. *Journal of Sol-Gel Science and Technology*, **2006**, 39, 57-62	2.3	10
168	Optical Properties of Mg x Zn1⊠ O Polycrystalline Thin Films Prepared by Sol-Gel Deposition Method. *Journal of Sol-Gel Science and Technology*, **2002**, 23, 231-234	2.3	10
167	The dependence of emission spectra of rare earth ion on the band-gap energy of MgxZn1⊠O alloy. *Journal of Crystal Growth*, **2003**, 249, 163-166	1.6	10
166	Raman and photoluminescence studies on nanocrystalline ZnO grown on GaInPAs substrates. *Journal of Crystal Growth*, **2005**, 285, 24-30	1.6	10
165	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
164	Transparent Nb-doped TiO films with the [001] preferred orientation for efficient photocatalytic oxidation performance. *Dalton Transactions*, **2017**, 46, 15363-15372	4.3	9

163	Dielectric Selection for Solution-Processed High-Mobility TIPS-Pentacene Microwire Field-Effect Transistors. *Advanced Materials Interfaces*, **2019**, 6, 1801984	4.6	9
162	Targeted labeling of an early-stage tumor spheroid in a chorioallantoic membrane model with upconversion nanoparticles. *Nanoscale*, **2015**, 7, 1596-600	7.7	9
161	Bidirectional Photochromism via Anchoring of Carbon Dots to TiO Porous Films. *ACS Applied Materials & Interfaces*, **2020**, 12, 6262-6267	9.5	9
160	Influence of a solution-deposited rutile layer on the morphology of TiO2 nanorod arrays and the performance of nanorod-based dye-sensitized solar cells. *RSC Advances*, **2016**, 6, 10450-10455	3.7	9
159	UV-resistant holographic data storage in noble-metal/semiconductor nanocomposite films with electron-acceptors. *Optical Materials Express*, **2018**, 8, 1143	2.6	9
158	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
157	In situ FT-IR reflective absorption spectroscopy for characterization of SiO2 thin films deposited using sputtering-type electron cyclotron resonance microwave plasma. *Applied Surface Science*, **1997**, 121-122, 228-232	6.7	9
156	Preparation and visible emission of Er-doped 12CaO x 7Al2O3 powder. *Journal of Nanoscience and Nanotechnology*, **2008**, 8, 1458-63	1.3	9
155	Photoluminescence of ZnO Nanocrystals Embedded in BaF2 Matrices by Magnetron Sputtering. *Journal of Nanoscience and Nanotechnology*, **2008**, 8, 1160-1164	1.3	9
154	Real-time holographic gratings recorded by He□Ne laser in polymer films containing spirooxazine compounds pre-irradiated by UV light. *Optical Materials*, **2005**, 27, 1567-1570	3.3	9
153	Growth of stoichiometric (002) ZnO thin films on Si (001) substrate by using plasma enhanced chemical vapor deposition. *Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films*, **2002**, 20, 1779-1783	2.9	9
152	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
151	Revisiting cocatalyst/TiO2 photocatalyst in blue light photothermalcatalysis. *Catalysis Today*, **2019**, 335, 286-293	5.3	9
150	Blurred Electrode for Low Contact Resistance in Coplanar Organic Transistors. *ACS Nano*, **2021**, 15, 1155-1166	16.7	9
149	Magnetic Upconversion Luminescent Nanocomposites with Small Size and Strong Super-Paramagnetism: Polyelectrolyte-Mediated Multimagnetic-Beads Embedding. *ACS Applied Nano Materials*, **2018**, 1, 145-151	5.6	9
148	Structural Optimization of Oxide/Metal/Oxide Transparent Conductors for High-Performance Low-Emissivity Heaters. *Advanced Materials Interfaces*, **2018**, 5, 1801287	4.6	9
147	SiO aerogel monolith allows ultralow amounts of TiO for the fast and efficient removal of gaseous pollutants. *Dalton Transactions*, **2018**, 47, 13608-13615	4.3	9
146	Upconversion luminescence enhancement in NaYF 4 : Yb 3+ , Er 3+ nanoparticles induced by Cd 2+ tridoping. *Materials Research Bulletin*, **2017**, 90, 151-155	5.1	8

145	Cesium-functionalized pectin as a cathode interlayer for polymer solar cells. *Journal of Materials Chemistry C*, **2019**, 7, 1592-1596	7.1	8
144	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
143	Nature of vacuum-deposited electrode induced thermal irradiation damage on organic transistors. *Applied Surface Science*, **2019**, 480, 523-528	6.7	8
142	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
141	Ultrathin Free-Substrate n-Type PTCDI-C13 Transistors With Bilayer Polymer Dielectrics. *IEEE Electron Device Letters*, **2018**, 39, 1183-1186	4.4	8
140	Recent progress in ZnO-based heterojunction ultraviolet light-emitting devices. *Science Bulletin*, **2014**, 59, 1219-1227		8
139	Spectral modulation through controlling anions in nanocaged phosphors. *Journal of Materials Chemistry C*, **2013**, 1, 7896	7.1	8
138	MgZnO/MgO strained multiple-quantum-well nanocolumnar films: Stress-induced structural transition and deep ultraviolet emission. *Journal of Alloys and Compounds*, **2012**, 513, 399-403	5.7	8
137	Eu2+, Tb3+, Mn2+Triactivated Ba3MgSi2O8Red-Emitting Phosphors for Near Ultraviolet Lighting Emitting Diodes. *ECS Journal of Solid State Science and Technology*, **2013**, 2, R213-R217	2	8
136	Hexamethylenediamine-assisted hydrothermal preparation of uniform ZnO particles and their morphology-dependent photoluminescent properties. *Materials Chemistry and Physics*, **2009**, 115, 547-550	4.4	8
135	Intense luminescence of amorphous Eu2O3 prepared by aqueous sol–gel method. *Journal of Non-Crystalline Solids*, **2007**, 353, 1037-1040	3.9	8
134	Temperature-enhanced ultraviolet emission in ZnO thin film. *Journal of Luminescence*, **2006**, 119-120, 242-247	3.8	8
133	Holographic grating recorded by He–Ne laser operating at 632.8 nm in polymer film containing push–pull azo dye. *Optics Communications*, **2003**, 220, 289-295	2	8
132	Multiple-hologram storage for thin layers of Methyl Orange dyes in polyvinyl alcohol matrices. *Optics Letters*, **1995**, 20, 1495-7	3	8
131	Unveiling Bandgap Evolution and Carrier Redistribution in Multilayer WSe2: Enhanced Photon Emission via Heat Engineering. *Advanced Optical Materials*, **2020**, 8, 1901226	8.1	8
130	Intensity-modulated LED achieved through integrating p-GaN/n-ZnO heterojunction with multilevel RRAM. *Applied Physics Letters*, **2018**, 113, 223503	3.4	8
129	Size-Tunable Low Molecular Weight Pectin-Based Electrospun Nanofibers Blended with Low Content of Poly(ethylene oxide). *Journal of Nanoscience and Nanotechnology*, **2017**, 17, 681-89	1.3	7
128	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

127	Efficiency enhanced rutile TiO2 nanowire solar cells based on an Sb2S3 absorber and a CuI hole conductor. *New Journal of Chemistry*, **2015**, 39, 7243-7250	3.6	7
126	Solution-Processed Single-Crystal Array for High-Performance Conformable Transistors. *IEEE Electron Device Letters*, **2018**, 39, 595-598	4.4	7
125	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
124	Ultraviolet electroluminescence from Au/MgO/MgxZn1−xO heterojunction diodes and the observation of Zn-rich cluster emission. *Journal of Luminescence*, **2014**, 148, 116-120	3.8	7
123	Hyaluronic acid nanofibers crosslinked with a nontoxic reagent. *Carbohydrate Polymers*, **2021**, 259, 117757	10.3	7
122	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
121	Ultrasonic spray pyrolysis assembly of a TiO2–WO3–Pt multi-heterojunction microsphere photocatalyst using highly crystalline WO3 nanosheets: less is better. *New Journal of Chemistry*, **2016**, 40, 3225-3232	3.6	6
120	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
119	An ordered array based on vapor-processed phthalocyanine nanoribbons. *Journal of Materials Chemistry C*, **2014**, 2, 5667-5672	7.1	6
118	Au/Ag nanoalloy shells as near-infrared SERS nanoprobe for the detection of protein. *Materials Research Express*, **2014**, 1, 045408	1.7	6
117	The synthesis and optical properties of ZnO nanocombs. *Journal of Nanoscience and Nanotechnology*, **2010**, 10, 2370-4	1.3	6
116	Photoelectric properties of ZnO: In nanorods/SiO2/Si heterostructure assembled in aqueous solution. *Applied Physics B: Lasers and Optics*, **2006**, 84, 507-510	1.9	6
115	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
114	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
113	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
112	Zeolite-Based Memristive Synapse with Ultralow Sub-10-fJ Energy Consumption for Neuromorphic Computation. *Small*, **2021**, 17, e2006662	11	6
111	Transport in organic single-crystal microbelt for conformal electronics. *Applied Physics Letters*, **2016**, 108, 103502	3.4	6
110	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

109	Modulation of electron transportation in amorphous and polycrystalline indium□zinc-oxide films grown by pulse laser deposition. *Journal of Non-Crystalline Solids*, **2015**, 423-424, 18-24	3.9	5
108	Bias-polarity-dependent UV/visible transferable electroluminescence from ZnO nanorod array LED with graphene oxide electrode supporting layer. *Applied Physics Express*, **2015**, 8, 095202	2.4	5
107	Two-wavelength exposure enhancement in holographic data storage of spirooxazine-doped polymers. *Optics Communications*, **2015**, 338, 269-276	2	5
106	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
105	Minimization of defects in Nb-doped TiO 2 photocatalysts by molten salt flux. *Ceramics International*, **2018**, 44, 10249-10257	5.1	5
104	Plasma treatment introduced memory properties in MoS2field-effect transistors. *Applied Physics Express*, **2016**, 9, 014202	2.4	5
103	Resistive switching performance improvement of amorphous carbon-based electrochemical metallization memory via current stressing. *Applied Physics Letters*, **2019**, 115, 073501	3.4	5
102	Localized resistive switching in a ZnS□Ag/ZnS double-layer memory. *Journal Physics D: Applied Physics*, **2014**, 47, 455101	3	5
101	Single-crystal tetrathiafulvalene microwire arrays formed by drop-casting method in the saturated solvent atmosphere. *Synthetic Metals*, **2014**, 198, 248-254	3.6	5
100	Formation mechanisms of multiple holographic gratings in spirooxazine-doped polymer films. *Optik* , **2013**, 124, 139-143	2.5	5
99	Gate-modulated transport properties and mechanism for nanowire cross junction based on SnO2 semiconductor. *Applied Physics Letters*, **2015**, 107, 233503	3.4	5
98	Environment-dependent photochromism of silver nanoparticles interfaced with metal-oxide films. *Applied Surface Science*, **2015**, 357, 2048-2054	6.7	5
97	Preparation and characterization of multifunctional Fe3O4/ZnO/SiO2 nanocomposites. *Journal of Alloys and Compounds*, **2012**, 535, 91-94	5.7	5
96	Origin of ultraviolet electroluminescence in n-ZnO/p-GaN and n-MgZnO/p-GaN heterojunction light-emitting diodes. *Physica Status Solidi (A) Applications and Materials Science*, **2013**, 210, 2751-2755	1.6	5
95	Amplified spontaneous emission from an Ag-backed red-fluorescent-dye-doped polymer film. *Applied Optics*, **2010**, 49, 315-9	0.2	5
94	Probing the visible luminescence mechanism in ZnO nanoparticles by band edge modulation. *Journal of Nanoscience and Nanotechnology*, **2010**, 10, 2185-9	1.3	5
93	Optical property of hexagonal nanocrystalline zno film on Si substrate prepared by plasma-enhanced CVD. *Journal of Luminescence*, **2007**, 122-123, 822-824	3.8	5
92	Optical properties of ZnO nanocrystals embedded in BaF2 film fabricated by magnetron sputtering. *Journal Physics D: Applied Physics*, **2007**, 40, 5598-5601	3	5

91	Photoluminescence properties of ZnO films grown on InP by thermally oxidizing metallic Zn films. *Journal of Physics Condensed Matter*, **2003**, 15, 1975-1981	1.8	5
90	Photo-dynamics of polarization holographic recording in spirooxazine-doped polymer films. *Materials Letters*, **2005**, 59, 1449-1452	3.3	5
89	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
88	Improved near-UV electroluminescence of ZnO nanorod array LEDs by coupling with a graphene plasmon layer. *Nanophotonics*, **2019**, 8, 2203-2213	6.3	4
87	Individual single-crystal nanowires as electrodes for organic single-crystal nanodevices. *Journal of Materials Chemistry C*, **2015**, 3, 9534-9539	7.1	4
86	Nonvolatile plasmonic holographic memory based on photo-driven ion migration. *Applied Optics*, **2017**, 56, 6942-6948	1.7	4
85	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
84	Low temperature preparation and characterization of (Ga1−xZnx)(N1−yOy) alloy nanostructures using electrospun nanofibers as source materials. *Ceramics International*, **2014**, 40, 3425-3431	5.1	4
83	Visible laser-assisted reduction of plasmonic Ag nanoparticles with narrow-band optical absorption for colored holographic reconstruction. *Optics Express*, **2017**, 25, 31253-31262	3.3	4
82	Low-temperature, catalyst-free vapor–solid growth of ultralong ZnO nanowires. *Materials Chemistry and Physics*, **2012**, 136, 455-459	4.4	4
81	Multiphonon resonant Raman scattering (MRRS) of semiconductor nanomaterials for biodetection. *Journal of Nanoscience and Nanotechnology*, **2011**, 11, 9357-67	1.3	4
80	Growth and optical properties of ZnO microwells by chemical vapor deposition method. *Physica B: Condensed Matter*, **2009**, 404, 315-319	2.8	4
79	One-Step Nonaqueous Synthesis of Pure Phase TiO2Nanocrystals from TiCl4in Butanol and Their Photocatalytic Properties. *Journal of Nanomaterials*, **2011**, 2011, 1-6	3.2	4
78	Effects of annealing on structural, optical and electrical properties of Al-doped ZnO thin films **2004**, 47, 588		4
77	A control on the photoluminescence properties in P-passivated nanocrystalline ZnO films. *Chemical Physics Letters*, **2004**, 397, 360-363	2.5	4
76	Compositional and structural studies of amorphous silicon-nitrogen alloys deposited at room temperature using a sputtering-type electron cyclotron resonance microwave plasma. *The Philosophical Magazine: Physics of Condensed Matter B, Statistical Mechanics, Electronic, Optical and Magnetic Properties*, **1993**, 70, 137-148		4
75	Bi-photonic reduction of anisotropic Ag nanoparticles for color-tunable hologram reconstruction. *Optics Express*, **2019**, 27, 11991-11999	3.3	4
74	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

73	Cobweb-like, Ultrathin Porous Polymer Films for Ultrasensitive NO Detection. *ACS Applied Materials & Interfaces*, **2020**, 12, 52992-53002	9.5	4
72	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
71	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
70	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
69	Enhanced Carrier-Exciton Interactions in Monolayer MoS under Applied Voltages. *ACS Applied Materials & Interfaces*, **2020**, 12, 18870-18876	9.5	3
68	Spray-processed nanoporous BiVO4 photoanodes with high charge separation efficiency for oxygen evolution. *APL Materials*, **2020**, 8, 031112	5.7	3
67	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
66	Biphotonic holographic grating recordings for different polarization configurations in spirooxazine-doped polymers. *Applied Optics*, **2014**, 53, 5815-23	1.7	3
65	Characterization and optical transition in tb-doped 12CaO x 7Al2O3 powders. *Journal of Nanoscience and Nanotechnology*, **2010**, 10, 2125-30	1.3	3
64	Visible luminescence mechanism of ZnO nanoparticles synthesized by sol-gel method. *Journal of Nanoscience and Nanotechnology*, **2011**, 11, 9415-20	1.3	3
63	Effects of temperature and pressure on the structural and optical properties of ZnO films grown by pulsed laser deposition. *Science China Technological Sciences*, **2010**, 53, 317-321	3.5	3
62	Enhancing hologram memory via deposition of plasmonic nanocubes on orderly mesoporous titania. *Optics Express*, **2020**, 28, 13008-13018	3.3	3
61	Cellulose nanofibers electrospun from aqueous conditions. *Cellulose*, **2020**, 27, 8695-8708	5.5	3
60	A Single Nanobelt Transistor for Gas Identification: Using a Gas-Dielectric Strategy. *Sensors*, **2016**, 16,	3.8	3
59	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
58	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
57	Effects of preparation parameters on the properties of the crosslinked pectin nanofiber mats. *Carbohydrate Polymers*, **2021**, 269, 118314	10.3	3
56	Size-controlled ambipolar graphene nanoribbon transistors by an all-dry mask method. *Synthetic Metals*, **2015**, 205, 6-10	3.6	2

55	Selective photo-oxidation induced bi-periodic plasmonic structures for high-density data storage. *Applied Optics*, **2017**, 56, 7892-7897	1.7	2
54	A Glucose Biosensor Based on Detecting Longitudinal Surface Plasmon Resonance of Gold Nanorods. *Journal of Nanoscience and Nanotechnology*, **2016**, 16, 6925-6929	1.3	2
53	Label-Free Detection of Bovine Serum Albumin Protein Based on SiO2/Au Nanoshells as Near-Infrared Surface-Enhanced Raman Spectroscopy Nanoprobe. *Journal of Nanoscience and Nanotechnology*, **2016**, 16, 7103-7109	1.3	2
52	Organic Single-Crystal Nanowire Transistor Fabricated by Glass Fiber Mask Method. *IEEE Transactions on Electron Devices*, **2016**, 63, 787-792	2.9	2
51	Ultrasensitive Charged Object Detection Based on Rubrene Crystal Sensor. *IEEE Transactions on Electron Devices*, **2019**, 66, 3139-3143	2.9	2
50	Vertical Bi2Se3 flake array as a Pt-free counter electrode for dye-sensitized solar cells. *RSC Advances*, **2017**, 7, 51958-51964	3.7	2
49	Effect of reset voltage polarity on the resistive switching region of unipolar memory. *Physica Status Solidi (A) Applications and Materials Science*, **2015**, 212, 2255-2261	1.6	2
48	Two-step vapor transport deposition of large-size bridge-like Bi2Se3 nanostructures. *CrystEngComm*, **2015**, 17, 8449-8456	3.3	2
47	Ultraviolet lasing action in ZnO nanosheets. *Journal of Nanoscience and Nanotechnology*, **2010**, 10, 6744-7	1.3	2
46	Photoluminescence of MgxZn1⊠O films grown on a sapphire substrate by a MOCVD technique. *Physica Status Solidi C: Current Topics in Solid State Physics*, **2006**, 3, 3508-3511		2
45	Graphene-oxide/TiO nanocomposite films with electron-donors for multicolor holography. *Optics Express*, **2019**, 27, 1740-1749	3.3	2
44	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
43	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
42	A coral-like hematite photoanode on a macroporous SnO2: Sb substrate for enhanced photoelectrochemical water oxidation. *Electrochimica Acta*, **2020**, 360, 137012	6.7	2
41	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
40	Crosslinked carboxymethyl starch nanofiber mats: Preparation, water resistance and exudates control ability. *European Polymer Journal*, **2021**, 154, 110568	5.2	2
39	Neutron irradiation-induced effects on the reliability performance of electrochemical metallization memory devices. *Journal of Semiconductors*, **2021**, 42, 014103	2.3	2
38	Self-Standing and Flexible Thermoelectric Nanofiber Mat of an n-Type Conjugated Polymer. *ACS Applied Electronic Materials*, **2021**, 3, 3641-3647	4	2

37	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
36	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
35	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
34	Photocatalytic film of BiOCl honeycomb array from anodic aluminium oxide template. *Materials Technology*, **2015**, 30, A84-A88	2.1	1
33	Multiplexed holographic gratings recorded by 405nm laser in polymer film containing spirooxazines **2012**,		1
32	Microphotoluminescence investigation on single ZnO microrods with different morphologies. *Journal of Applied Physics*, **2009**, 105, 123109	2.5	1
31	Effect of nitrogenized Si(1 1 1) substrates on the quality of ZnO films grown by pulsed laser deposition. *Journal Physics D: Applied Physics*, **2009**, 42, 035307	3	1
30	Microstructure and optical properties of Eu-doped Mg x Zn1− O hexagonal nanocrystals. *Science China Technological Sciences*, **2010**, 53, 761-765	3.5	1
29	A Thermally Activated Exciton–Exciton Collision Process in ZnO Microrods. *Chinese Physics Letters*, **2004**, 21, 1640-1643	1.8	1
28	Structure and photoluminescence of Mn-passivated nanocrystalline ZnO:S thin films. *Physica B: Condensed Matter*, **2005**, 367, 223-228	2.8	1
27	Recent Advances in Magnetic Upconversion Nanocomposites for Bioapplications. *Current Pharmaceutical Design*, **2019**, 25, 2007-2015	3.3	1
26	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
25	Self-Powered Memristive Systems for Storage and Neuromorphic Computing. *Frontiers in Neuroscience*, **2021**, 15, 662457	5.1	1
24	Selection of Insulating Elastomers for High-Performance Intrinsically Stretchable Transistors. *ACS Applied Electronic Materials*, **2021**, 3, 1458-1467	4	1
23	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
22	Ternary NiTiO3@g-C3N4–Au 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
21	Recent progress in optoelectronic memristive devices for in-sensor computing. *Wuli Xuebao/Acta Physica Sinica*, **2022**,	0.6	1
20	Pavlovian conditioning achieved via one-transistor/one-resistor memristive synapse. *Applied Physics Letters*, **2022**, 120, 133503	3.4	1

19	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
18	CuSx hole transport layer for PbS quantum dot solar cell. *Solar Energy*, **2020**, 209, 118-122	6.8	0
17	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
16	Enhanced Photostability and Photoluminescence of PbI2 via Constructing Type-I Heterostructure with ZnO. *Advanced Photonics Research*, **2021**, 2, 2000183	1.9	0
15	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
14	Facile sputtering enables double-layered ZnO electron transport layer for PbS quantum dot solar cells. *Solar Energy*, **2021**, 214, 599-605	6.8	0
13	High-Mobility Fungus-Triggered Biodegradable Ultraflexible Organic Transistors.. *Advanced Science*, **2022**, e2105125	13.6	0
12	Conductance Quantization in CH3NH3PbI3 Memristor. *IEEE Electron Device Letters*, **2022**, 1-1	4.4	0
11	The effect of Au nanoshells with controllable aggregation on SERS enhancement. *Materials Research Express*, **2015**, 2, 045004	1.7	
10	Two-terminal optoelectronic memory device **2020**, 75-105		
9	Green electroluminescence from p-ZnO:N/n-GaN heterojunction light-emitting diodes. *Materials Research Express*, **2015**, 2, 025901	1.7	
8	Excitons emissions and Raman scattering of ZnO nanoparticles embedded in BaF2 matrices by reactive magnetron sputtering. *Journal of Nanoscience and Nanotechnology*, **2011**, 11, 9823-8	1.3	
7	Structural and optical properties of GaAs quantum dots formed in SiO2 matrix. *Materials Letters*, **2007**, 61, 2875-2878	3.3	
6	Blue Cathodoluminescence from Highly Er-Doped ZnO Thin Films Induced by the Phonon Bottleneck Effect. *Chinese Physics Letters*, **2003**, 20, 401-403	1.8	
5	Plasmon-driven light harvesting in poly(vinyl alcohol) films for precise surface topography modulation. *Optics Letters*, **2021**, 46, 1828-1831	3	
4	Organic Single-Crystal Transistors and Circuits on Ultra-Fine Au Wires With Diameters as Small as 15 $mu text{m}$ via Jigsaw Puzzle Method. *IEEE Electron Device Letters*, **2016**, 1-1	4.4	
3	Highly Stable Transparent Electrodes Made from Copper Nanotrough Coated with AZO/Al2O3. *Journal of Nanoscience and Nanotechnology*, **2016**, 16, 3811-5	1.3	
2	Improved Mobility and Bias Stability of Thin Film Transistors Using the Double-Layer a-InGaZnO/a-InGaZnO:N Channel. *Journal of Nanoscience and Nanotechnology*, **2016**, 16, 3659-63	1.3	

1	Conformable ${n}$ -Channel Organic Phototransistors With Enhanced Photosensitivity and Broadened Response Range via Insertion of an Alq3 Layer. *IEEE Electron Device Letters*, **2018**, 1-1	4.4