

Xiujian Zhao

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

465
papers

17,753
citations

63
h-index

114
g-index

481
ext. papers

20,021
ext. citations

5.4
avg, IF

7.05
L-index

#	Paper	IF	Citations
465	Efficient NiO Impregnated Walnut Shell-Derived Carbon for Dye-Sensitized Solar Cells. <i>ACS Applied Electronic Materials</i> , 2022 , 4, 1063-1071	4	0
464	Insights into the sinterability and electrical properties of Li _{1.3} Al _{0.3} Ti _{1.7} (PO ₄) ₃ -(Li ₂ CO ₃ Bi ₂ O ₃) composite electrolytes. <i>Ceramics International</i> , 2022 , 48, 8387-8394	5.1	1
463	Ultra-High-Sensitive Temperature Sensing Based on Er and Yb Co-Doped Lead-Free Double Perovskite Microcrystals.. <i>Journal of Physical Chemistry Letters</i> , 2022 , 3623-3630	6.4	3
462	Intensive UV/Vis-IR driven catalytic activity of Pt supported on hierarchical ZnO porous nanosheets for benzene degradation via novel photothermocatalytic synergetic effect. <i>Journal of Environmental Chemical Engineering</i> , 2022 , 10, 107694	6.8	1
461	Two-Step Anti-Stokes Photoluminescence of CsPbX ₃ Nanocrystals. <i>Advanced Optical Materials</i> , 2021 , 9, 2001885	8.1	4
460	MoS ₂ /ZIF-8 derived nitrogen doped carbon (NC)-PEDOT: PSS as optically transparent counter electrode for dye-sensitized solar cells. <i>Solar Energy</i> , 2021 , 218, 117-128	6.8	6
459	Water-Triggered Transformation of Ligand-Free Lead Halide Perovskite Nanocrystal-Embedded Pb(OH)Br with Ultrahigh Stability. <i>ACS Applied Materials & Interfaces</i> , 2021 , 13, 23960-23969	9.5	4
458	Facile Preparation of Zn ₂ V ₂ O ₇ /VO ₂ Composite Films with Enhanced Thermochromic Properties for Smart Windows. <i>ACS Applied Electronic Materials</i> , 2021 , 3, 2224-2232	4	6
457	Metal Chalcogenides (M x E y ; E = S, Se, and Te) as Counter Electrodes for Dye-Sensitized Solar Cells: An Overview and Guidelines. <i>Advanced Energy and Sustainability Research</i> , 2021 , 2, 2100056	1.6	5
456	CsPbBr ₃ @SiO ₂ Core-Shell Nanoparticle Films for Superhydrophobic Coatings. <i>ACS Applied Nano Materials</i> , 2021 , 4, 6306-6315	5.6	7
455	Cs ₂ Zr _{1-x} TexCl ₆ Perovskite Microcrystals with Ultrahigh Photoluminescence Quantum Efficiency of 79.46% for High Light Efficiency White Light Emitting Diodes. <i>Advanced Optical Materials</i> , 2021 , 9, 2100804	8.1	4
454	Exponential and Gaussian traps in nano-TiO ₂ and their function in kinetics of the electron transfer to O ₂ . <i>Journal of Applied Physics</i> , 2021 , 130, 035102	2.5	0
453	Insights into electrochemical nitrogen reduction reaction mechanisms: Combined effect of single transition-metal and boron atom. <i>Journal of Energy Chemistry</i> , 2021 , 58, 577-585	12	26
452	Structural design of carbon dots/porous materials composites and their applications. <i>Chemical Engineering Journal</i> , 2021 , 421, 127743	14.7	18
451	VO ₂ /ZnO bilayer films with enhanced thermochromic property and durability for smart windows. <i>Applied Surface Science</i> , 2021 , 540, 148414	6.7	5
450	Red and yellow emissive carbon dots integrated tandem luminescent solar concentrators with significantly improved efficiency. <i>Nanoscale</i> , 2021 , 13, 9561-9569	7.7	10
449	Kinetics and energetic analysis of the slow dispersive electron transfer from nano-TiO to O by diffusion reflectance and Laplace transform. <i>Physical Chemistry Chemical Physics</i> , 2021 , 23, 19901-19910	3.6	1

448	The effect of Cu dopants on electron transfer to O and the connection with acetone photocatalytic oxidations over nano-TiO. <i>Physical Chemistry Chemical Physics</i> , 2021 , 23, 8300-8308	3.6	3
447	Eu-doped ZnO quantum dots with solid-state fluorescence and dual emission for high-performance luminescent solar concentrators. <i>Materials Chemistry Frontiers</i> , 2021 , 5, 4746-4755	7.8	4
446	Porous rGO/ZnSe/CoSe ₂ dispersed in PEDOT:PSS as an efficient counter electrode for dye-sensitized solar cells. <i>Materials Chemistry Frontiers</i> , 2021 , 5, 2702-2714	7.8	11
445	Waste-Recovered Nanomaterials for Emerging Electrocatalytic Applications. <i>Topics in Mining, Metallurgy and Materials Engineering</i> , 2021 , 247-292	0.4	
444	Acid Solution Processed VO-Based Composite Films with Enhanced Thermochromic Properties for Smart Windows. <i>Materials</i> , 2021 , 14,	3.5	1
443	Influence of Glass Composition on the Luminescence Mechanisms of CdSe Quantum-Dot-Doped Glasses. <i>Journal of Physical Chemistry C</i> , 2021 , 125, 18916-18926	3.8	0
442	Ultra-small PbSe Quantum Dots Synthesis by Chemical Nucleation Controlling. <i>Journal Wuhan University of Technology, Materials Science Edition</i> , 2021 , 36, 478-483	1	0
441	Air superhydrophilic-superoleophobic SiO ₂ -based coatings for recoverable oil/water separation mesh with high flux and mechanical stability. <i>Journal of Colloid and Interface Science</i> , 2021 , 600, 118-126	9.3	13
440	Facile synthesis of silica composite films with good mechanical property for spectrally broadband antireflection coatings. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2021 , 628, 127255	5.1	2
439	Thermochromic Ta Doped VO ₂ Films: Enhanced Luminous Transmittance, Significantly Depressed Phase Transition Temperature and Hysteresis Width. <i>Applied Surface Science</i> , 2021 , 568, 150959	6.7	1
438	3D mesoporous structure assembled from monoclinic M-phase VO nanoflakes with enhanced thermochromic performance.. <i>RSC Advances</i> , 2021 , 11, 13556-13563	3.7	
437	Red and green-emitting biocompatible carbon quantum dots for efficient tandem luminescent solar concentrators. <i>Journal of Materials Chemistry C</i> , 2021 , 9, 12255-12262	7.1	5
436	An enhanced fluorescent ZIF-8 film by capturing guest molecules for light-emitting applications. <i>Journal of Materials Chemistry C</i> , 2021 , 9, 5819-5826	7.1	5
435	Observation of the crystalline orientation dependence of the semiconductor-metal transition for thermal oxidation induced VO ₂ films over amorphous quartz glasses. <i>AIP Advances</i> , 2021 , 11, 125232	1.5	0
434	Screen-printed carbon black/SiO ₂ composite counter electrodes for dye-sensitized solar cells. <i>Solar Energy</i> , 2021 , 230, 902-911	6.8	5
433	Base-catalyzed synthesis of superhydrophobic and antireflective films for enhanced photoelectronic applications. <i>Journal of Materials Research and Technology</i> , 2020 , 9, 3958-3966	5.5	6
432	Pb-Based Halide Perovskites: Recent Advances in Photo(electro)catalytic Applications and Looking Beyond. <i>Advanced Functional Materials</i> , 2020 , 30, 1909667	15.6	46
431	A facile one-step annealing route to prepare thermochromic W doped VO ₂ (M) particles for smart windows. <i>Ceramics International</i> , 2020 , 46, 18274-18280	5.1	9

430	Growth kinetics and optical properties of PbSe quantum dots in dual-phase lithium-aluminum-silicate glass ceramic. <i>Journal of the European Ceramic Society</i> , 2020 , 40, 4122-4128	6	3
429	Facile synthesis of VO ₂ (D) and its transformation to VO ₂ (M) with enhanced thermochromic properties for smart windows. <i>Ceramics International</i> , 2020 , 46, 14739-14746	5.1	15
428	Surfactant-Modified Hydrothermal Synthesis of Ca-Doped CuCoO Nanosheets with Abundant Active Sites for Enhanced Electrocatalytic Oxygen Evolution. <i>Inorganic Chemistry</i> , 2020 , 59, 9889-9899	5.1	7
427	Surface oxygen vacancies promoted photodegradation of benzene on TiO ₂ film. <i>Applied Surface Science</i> , 2020 , 511, 145597	6.7	21
426	Facile synthesis of CuS/MXene nanocomposites for efficient photocatalytic hydrogen generation. <i>CrystEngComm</i> , 2020 , 22, 2060-2066	3.3	10
425	Hydrothermal synthesis of delafossite CuScO hexagonal plates as an electrocatalyst for the alkaline oxygen evolution reaction. <i>Dalton Transactions</i> , 2020 , 49, 3519-3524	4.3	7
424	Fabrication and cavity-size-dependent photocatalytic property of TiO ₂ hollow nanoparticles with tunable cavity size. <i>Materials Research Bulletin</i> , 2020 , 126, 110744	5.1	8
423	Charge carrier transfer in photocatalysis. <i>Interface Science and Technology</i> , 2020 , 103-159	2.3	1
422	Can Plasmonic Effect Cause an Increase in the Catalytic Reduction of -nitrophenol by Sodium Borohydride over Au Nanorods?. <i>ACS Omega</i> , 2020 , 5, 11998-12004	3.9	2
421	Probing the active sites of site-specific nitrogen doping in metal-free graphdiyne for electrochemical oxygen reduction reactions. <i>Science Bulletin</i> , 2020 , 65, 45-54	10.6	32
420	Efficient UV-vis-IR photothermocatalytic selective ethanol oxidation on MnO _x /TiO ₂ nanocomposites significantly enhanced by a novel photoactivation. <i>Journal of Materials Chemistry A</i> , 2020 , 8, 1254-1264	13	8
419	Formation of NiCo Alloy Nanoparticles on Co Doped Al ₂ O ₃ Leads to High Fuel Production Rate, Large Light-to-Fuel Efficiency, and Excellent Durability for Photothermocatalytic CO ₂ Reduction. <i>Advanced Energy Materials</i> , 2020 , 10, 2002602	21.8	23
418	Single-Metal Atoms Supported on MBenes for Robust Electrochemical Hydrogen Evolution. <i>ACS Applied Materials & Interfaces</i> , 2020 , 12, 9261-9267	9.5	36
417	Ab Initio Molecular Dynamics of CdSe Quantum-Dot-Doped Glasses. <i>Journal of the American Chemical Society</i> , 2020 , 142, 3905-3912	16.4	8
416	Effects of the halogenated imidazolate linker on the fundamental properties of amorphous zeolitic imidazolate frameworks. <i>Journal of Non-Crystalline Solids</i> , 2020 , 536, 120005	3.9	3
415	UV/Visible Infrared Light-Driven Photothermocatalytic Synergetic Effect Leading to Efficient Benzene Abatement by Pt Supported on Anatase TiO ₂ with {001} Facets. <i>ACS Applied Energy Materials</i> , 2020 , 3, 7920-7930	6.1	5
414	Unraveling the electronic structure, mechanical, and dielectric properties of ZnPurBr-MOF: Ab initio calculations. <i>APL Materials</i> , 2020 , 8, 111101	5.7	5
413	VO ₂ -ZnO composite films with enhanced thermochromic properties for smart windows. <i>Ceramics International</i> , 2020 , 46, 2758-2763	5.1	9

412	Unraveling the effects of linker substitution on structural, electronic and optical properties of amorphous zeolitic imidazolate frameworks-62 (a-ZIF-62) glasses: a DFT study.. <i>RSC Advances</i> , 2020 , 10, 14013-14024	3.7	4
411	Recent advances in green fabrication of luminescent solar concentrators using nontoxic quantum dots as fluorophores. <i>Journal of Materials Chemistry C</i> , 2019 , 7, 12373-12387	7.1	42
410	A novel nanocomposite of mesoporous silica supported Ni nanocrystals modified by ceria clusters with extremely high light-to-fuel efficiency for UV-vis-IR light-driven CO ₂ reduction. <i>Journal of Materials Chemistry A</i> , 2019 , 7, 4881-4892	13	15
409	Large Stokes-shift AIE fluorescent materials for high-performance luminescent solar concentrators. <i>Organic Electronics</i> , 2019 , 73, 226-230	3.5	24
408	High light-to-fuel efficiency and CO ₂ reduction rates achieved on a unique nanocomposite of Co/Co doped Al ₂ O ₃ nanosheets with UV-vis-IR irradiation. <i>Energy and Environmental Science</i> , 2019 , 12, 2581-2590	35.4	45
407	Revealing the Effects of Defects on Ultrafast Carrier Dynamics of CsPbI ₃ Nanocrystals in Glass. <i>Journal of Physical Chemistry C</i> , 2019 , 123, 15851-15858	3.8	14
406	Durable Self-Cleaning Surfaces with Superhydrophobic and Highly Oleophobic Properties. <i>Langmuir</i> , 2019 , 35, 8404-8412	4	99
405	Significant improvement in photocatalytic activity by forming homojunction between anatase TiO ₂ nanosheets and anatase TiO ₂ nanoparticles. <i>Applied Surface Science</i> , 2019 , 490, 283-292	6.7	18
404	Carbon dots and AIE molecules for highly efficient tandem luminescent solar concentrators. <i>Chemical Communications</i> , 2019 , 55, 7486-7489	5.8	54
403	Hexamethyldisilazane-triggered room temperature synthesis of hydrophobic perovskite nanocrystals with enhanced stability for light-emitting diodes. <i>Journal of Colloid and Interface Science</i> , 2019 , 552, 101-110	9.3	9
402	Trivalent ion mediated abnormal growth of all-inorganic perovskite nanocrystals and their divergent emission properties. <i>Nanoscale</i> , 2019 , 11, 7903-7912	7.7	16
401	Intrinsic intermediate gap states of TiO ₂ materials and their roles in charge carrier kinetics. <i>Journal of Photochemistry and Photobiology C: Photochemistry Reviews</i> , 2019 , 39, 1-57	16.4	41
400	Unique mesoporous amorphous manganese iron oxide with excellent catalytic performance for benzene abatement under UV-vis-IR and IR irradiation. <i>Environmental Science: Nano</i> , 2019 , 6, 1233-1245	7.1	4
399	Highly Luminescent Cesium Lead Halide Perovskite Nanocrystals Stabilized in Glasses for Light-Emitting Applications. <i>Advanced Optical Materials</i> , 2019 , 7, 1801663	8.1	132
398	Tin-assisted growth of all-inorganic perovskite nanoplatelets with controllable morphologies and complementary emissions. <i>CrystEngComm</i> , 2019 , 21, 2388-2397	3.3	10
397	Formation of CeMnxOy/OMS-2 nanocomposite significantly enhances UV-vis-infrared light-driven catalytic activity. <i>Catalysis Today</i> , 2019 , 326, 46-53	5.3	7
396	UV-vis-IR irradiation driven CO ₂ reduction with high light-to-fuel efficiency on a unique nanocomposite of Ni nanoparticles loaded on Ni doped Al ₂ O ₃ nanosheets. <i>Journal of Materials Chemistry A</i> , 2019 , 7, 19800-19810	13	10
395	A heterogeneous single Cu catalyst of Cu atoms confined in the spinel lattice of MgAl ₂ O ₄ with good catalytic activity and stability for NO reduction by CO. <i>Journal of Materials Chemistry A</i> , 2019 , 7, 7202-7212	13	17

394	Understanding the atomic and electronic structures origin of defect luminescence of CdSe quantum dots in glass matrix. <i>Journal of the American Ceramic Society</i> , 2019 , 102, 5375-5385	3.8	9
393	ZnO-nitrogen doped carbon derived from a zeolitic imidazolate framework as an efficient counter electrode in dye-sensitized solar cells. <i>Sustainable Energy and Fuels</i> , 2019 , 3, 1976-1987	5.8	9
392	New Insight into the Role of Electron Transfer to O ₂ in Photocatalytic Oxidations of Acetone over TiO ₂ and the Effect of Au Cocatalyst. <i>Journal of Physical Chemistry C</i> , 2019 , 123, 30958-30971	3.8	8
391	Mesoporous ZnO nanorods array with a controllable area density for enhanced photocatalytic properties. <i>Journal of Colloid and Interface Science</i> , 2019 , 534, 389-398	9.3	14
390	Atomic-level insight into the mechanism of 0D/2D black phosphorus quantum dot/graphitic carbon nitride (BPQD/GCN) metal-free heterojunction for photocatalysis. <i>Applied Surface Science</i> , 2019 , 463, 1148-1153	6.7	55
389	Charge carrier interfacial transfer pathways from TiO ₂ and Au/TiO ₂ nanorod arrays to electrolyte and the association with photocatalysis. <i>Applied Surface Science</i> , 2019 , 464, 367-375	6.7	33
388	Polyvinylpyrrolidone-Assisted Hydrothermal Synthesis of CuCoO ₂ Nanoplates with Enhanced Oxygen Evolution Reaction Performance. <i>ACS Sustainable Chemistry and Engineering</i> , 2019 , 7, 1493-1501	8.3	23
387	Tungsten doped M-phase VO ₂ mesoporous nanocrystals with enhanced comprehensive thermochromic properties for smart windows. <i>Ceramics International</i> , 2019 , 45, 4342-4350	5.1	28
386	Structural, electronic, and dielectric properties of a large random network model of amorphous zeolitic imidazolate frameworks and its analogues. <i>Journal of the American Ceramic Society</i> , 2019 , 102, 4602-4611	3.8	9
385	High sub-band gap response of TiO ₂ nanorod arrays for visible photoelectrochemical water oxidation. <i>Applied Surface Science</i> , 2019 , 465, 192-200	6.7	17
384	Surface and Heterointerface Engineering of 2D MXenes and Their Nanocomposites: Insights into Electro- and Photocatalysis. <i>CheM</i> , 2019 , 5, 18-50	16.2	365
383	Deep-red emitting zinc and aluminium co-doped copper indium sulfide quantum dots for luminescent solar concentrators. <i>Journal of Colloid and Interface Science</i> , 2019 , 534, 509-517	9.3	33
382	Generating plasmonic heterostructures by cation exchange and redox reactions of covellite CuS nanocrystals with Au ions. <i>Nanoscale</i> , 2018 , 10, 2781-2789	7.7	21
381	Solar-Light-Driven CO ₂ Reduction by CH ₄ on Silica-Cluster-Modified Ni Nanocrystals with a High Solar-to-Fuel Efficiency and Excellent Durability. <i>Advanced Energy Materials</i> , 2018 , 8, 1702472	21.8	68
380	Constructing non-fluorinated porous superhydrophobic SiO ₂ -based films with robust mechanical properties. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2018 , 551, 65-73	5.1	28
379	Defects lead to a massive enhancement in the UV-Vis-IR driven thermocatalytic activity of Co ₃ O ₄ mesoporous nanorods. <i>Journal of Materials Chemistry A</i> , 2018 , 6, 7194-7205	13	53
378	Photocatalytic fixation of nitrogen to ammonia: state-of-the-art advancements and future prospects. <i>Materials Horizons</i> , 2018 , 5, 9-27	14.4	435
377	Alignment of Ag nanowires on glass sheet by dip-coating technique. <i>Journal of Alloys and Compounds</i> , 2018 , 735, 607-612	5.7	11

376	UV-Visible-infrared light-driven thermocatalytic abatement of benzene on Fe doped OMS-2 nanorods enhanced by a novel photoactivation. <i>Chemical Engineering Journal</i> , 2018 , 332, 205-215	14.7	45
375	Solar-light-driven CO ₂ reduction by methane on Pt nanocrystals partially embedded in mesoporous CeO ₂ nanorods with high light-to-fuel efficiency. <i>Green Chemistry</i> , 2018 , 20, 2857-2869	10	50
374	Novel photoactivation promoted light-driven CO ₂ reduction by CH ₄ on Ni/CeO ₂ nanocomposite with high light-to-fuel efficiency and enhanced stability. <i>Applied Catalysis B: Environmental</i> , 2018 , 239, 555-564	21.8	51
373	Unravelling the electrochemical mechanisms for nitrogen fixation on single transition metal atoms embedded in defective graphitic carbon nitride. <i>Journal of Materials Chemistry A</i> , 2018 , 6, 21941-21948	13	129
372	Carbon dots based nanocomposite thin film for highly efficient luminescent solar concentrators. <i>Organic Electronics</i> , 2018 , 62, 284-289	3.5	55
371	Carbon black/silicon nitride nanocomposites as high-efficiency counter electrodes for dye-sensitized solar cells. <i>New Journal of Chemistry</i> , 2018 , 42, 11715-11723	3.6	16
370	Novel photoactivation promotes catalytic abatement of CO on CuO mesoporous nanosheets with full solar spectrum illumination. <i>Applied Catalysis B: Environmental</i> , 2018 , 225, 314-323	21.8	19
369	Facile synthesis of mesoporous VO ₂ nanocrystals by a cotton-template method and their enhanced thermochromic properties. <i>Solar Energy Materials and Solar Cells</i> , 2018 , 176, 427-434	6.4	35
368	UV-Visible-infrared light-driven photothermocatalytic abatement of CO on Cu doped ramsdellite MnO ₂ nanosheets enhanced by a photoactivation effect. <i>Applied Catalysis B: Environmental</i> , 2018 , 224, 751-760	21.8	52
367	A low temperature hydrothermal synthesis of delafossite CuCoO ₂ as an efficient electrocatalyst for the oxygen evolution reaction in alkaline solutions. <i>Inorganic Chemistry Frontiers</i> , 2018 , 5, 183-188	6.8	27
366	Understanding of metal-insulator transition in VO based on experimental and theoretical investigations of magnetic features. <i>Scientific Reports</i> , 2018 , 8, 17093	4.9	17
365	Effect of Al ₂ O ₃ on the formation of color centers and CdSe/Cd _{1-x} Zn _x Se quantum dots in SiO ₂ -Na ₂ O-ZnO glasses. <i>Journal of the American Ceramic Society</i> , 2018 , 102, 1726	3.8	3
364	Inter-diffusion of Cu ²⁺ ions into CuS nanocrystals confines the microwave absorption properties. <i>CrystEngComm</i> , 2018 , 20, 6565-6572	3.3	10
363	Structure and optical properties of ZnO/Zn ₂ SiO ₄ composite thin films containing Eu ³⁺ ions. <i>Thin Solid Films</i> , 2018 , 668, 1-8	2.2	7
362	Yolk-shell m-SiO ₂ @ Nitrogen doped carbon derived zeolitic imidazolate framework high efficient counter electrode for dye-sensitized solar cells. <i>Electrochimica Acta</i> , 2018 , 292, 276-284	6.7	17
361	Fabrication of high-performance luminescent solar concentrators using N-doped carbon dots/PMMA mixed matrix slab. <i>Organic Electronics</i> , 2018 , 63, 237-243	3.5	44
360	Co ₃ O ₄ /TiO ₂ Nanocomposite Formation Leads to Improvement in Ultraviolet-Visible-Infrared-Driven Thermocatalytic Activity Due to Photoactivation and Photocatalysis-Thermocatalysis Synergetic Effect. <i>ACS Sustainable Chemistry and Engineering</i> , 2018 , 6, 16503-16514	8.3	34
359	Si ₃ N ₄ /MoS ₂ -PEDOT: PSS composite counter electrode for bifacial dye-sensitized solar cells. <i>Solar Energy</i> , 2018 , 173, 1135-1143	6.8	16

358	Zeolitic-imidazolate-framework (ZIF-8)/PEDOT:PSS composite counter electrode for low cost and efficient dye-sensitized solar cells. <i>New Journal of Chemistry</i> , 2018 , 42, 17303-17310	3.6	21
357	Novel photoactivation and solar-light-driven thermocatalysis on γ -MnO ₂ nanosheets lead to highly efficient catalytic abatement of ethyl acetate without acetaldehyde as unfavorable by-product. <i>Journal of Materials Chemistry A</i> , 2018 , 6, 14195-14206	13	33
356	Room temperature synthesis of aqueous soluble covellite CuS nanocrystals with high photothermal conversion. <i>CrystEngComm</i> , 2018 , 20, 4283-4290	3.3	12
355	UV-Visible-Infrared Light Driven Thermocatalysis for Environmental Purification on Ramsdellite MnO Hollow Spheres Considerably Promoted by a Novel Photoactivation. <i>ACS Applied Materials & Interfaces</i> , 2017 , 9, 2350-2357	9.5	59
354	Crystallization kinetics evaluated by the modified formula and optical properties of CdO and ZnO in 0.5ZnO-0.5CdO thin films. <i>Journal of Alloys and Compounds</i> , 2017 , 702, 509-519	5.7	3
353	Intense $\sim 1.2\ \mu\text{m}$ emission from Ho ³⁺ /Y ³⁺ ions co-doped oxyfluoride glass-ceramics containing BaF ₂ nanocrystals. <i>Journal of Alloys and Compounds</i> , 2017 , 701, 392-398	5.7	15
352	Optical properties and formation mechanism of M1-phase VO ₂ thin films annealed in a closed NH ₃ atmosphere. <i>Journal of Alloys and Compounds</i> , 2017 , 706, 289-296	5.7	16
351	Heat-up and gram-scale synthesis of Cu-poor CZTS nanocrystals with controllable compositions and shapes. <i>CrystEngComm</i> , 2017 , 19, 2013-2020	3.3	7
350	2D MoS ₂ /polyaniline heterostructures with enlarged interlayer spacing for superior lithium and sodium storage. <i>Journal of Materials Chemistry A</i> , 2017 , 5, 5383-5389	13	88
349	Formation of CdS/Cd _{1-x} Zn _x S sandwich-structured quantum dots with high quantum efficiency in silicate glasses. <i>Journal of Luminescence</i> , 2017 , 186, 30-33	3.8	13
348	Surface Passivation of CdSe Quantum Dots in All Inorganic Amorphous Solid by Forming CdZnSe Shell. <i>Scientific Reports</i> , 2017 , 7, 42359	4.9	28
347	Improved air stability of perovskite hybrid solar cells via blending poly(dimethylsiloxane)urea copolymers. <i>Journal of Materials Chemistry A</i> , 2017 , 5, 5486-5494	13	39
346	Unusual magnetic transition near metal-insulator transition and paramagnetic anomaly in VO ₂ . <i>Applied Physics Letters</i> , 2017 , 110, 172404	3.4	9
345	Structural and spectroscopic properties of Yb ³⁺ -doped zinc aluminate nanocrystals in silicate glass-ceramics. <i>Journal of Non-Crystalline Solids</i> , 2017 , 457, 93-96	3.9	8
344	Efficient UV-vis-IR light-driven thermocatalytic purification of benzene on a Pt/CeO ₂ nanocomposite significantly promoted by hot electron-induced photoactivation. <i>Environmental Science: Nano</i> , 2017 , 4, 373-384	7.1	22
343	Low temperature photoluminescence properties of CsPbBr quantum dots embedded in glasses. <i>Physical Chemistry Chemical Physics</i> , 2017 , 19, 17349-17355	3.6	65
342	Enhance photovoltaic performance of tris(2,2'-bipyridine) cobalt(II)/(III) based dye-sensitized solar cells via modifying TiO ₂ surface with metal-organic frameworks. <i>Solar Energy</i> , 2017 , 147, 126-132	6.8	18
341	The role of electron interfacial transfer in mesoporous nano-TiO photocatalysis: a combined study of in situ photoconductivity and numerical kinetic simulation. <i>Physical Chemistry Chemical Physics</i> , 2017 , 19, 8866-8873	3.6	18

340	Observation of reduced phase transition temperature in N-doped thermochromic film of monoclinic VO ₂ . <i>Applied Surface Science</i> , 2017 , 410, 363-372	6.7	32
339	The synergetic effect of V and Fe-co-doping in TiO ₂ studied from the DFT + U first-principle calculation. <i>Applied Surface Science</i> , 2017 , 399, 654-662	6.7	34
338	N-doped carbon-dots for luminescent solar concentrators. <i>Journal of Materials Chemistry A</i> , 2017 , 5, 21453-21456	5.3	6
337	Understanding of Electrochemical Mechanisms for CO Capture and Conversion into Hydrocarbon Fuels in Transition-Metal Carbides (MXenes). <i>ACS Nano</i> , 2017 , 11, 10825-10833	16.7	236
336	Crystallite growth and optical properties of cadmium oxide thin films annealed at various temperatures for various durations. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2017 , 80, 842-851	5.3	6
335	Mg-doped OMS-2 nanorods: a highly efficient catalyst for purification of volatile organic compounds with full solar spectrum irradiation. <i>Environmental Science: Nano</i> , 2017 , 4, 1798-1807	7.1	26
334	Ice-Water Quenching Induced Ti ³⁺ Self-doped TiO ₂ with Surface Lattice Distortion and the Increased Photocatalytic Activity. <i>Journal of Physical Chemistry C</i> , 2017 , 121, 19836-19848	3.8	57
333	One-pot scalable synthesis of all-inorganic perovskite nanocrystals with tunable morphology, composition and photoluminescence. <i>CrystEngComm</i> , 2017 , 19, 7041-7049	3.3	26
332	The formation of CuO/OMS-2 nanocomposite leads to a significant improvement in catalytic performance for NO reduction by CO. <i>Applied Catalysis A: General</i> , 2017 , 530, 1-11	5.1	19
331	Efficient UV-vis-infrared light-driven catalytic abatement of benzene on amorphous manganese oxide supported on anatase TiO ₂ nanosheet with dominant {001} facets promoted by a photothermocatalytic synergetic effect. <i>Applied Catalysis B: Environmental</i> , 2017 , 203, 494-504	21.8	56
330	Cu doped OL-1 nanoflower: A UV-vis-infrared light-driven catalyst for gas-phase environmental purification with very high efficiency. <i>Applied Catalysis B: Environmental</i> , 2017 , 200, 521-529	21.8	40
329	A visible-light-active Au-Cu(I)@Na ₂ Ti ₆ O ₁₃ nanostructured hybrid plasmonic photocatalytic membrane for acetaldehyde elimination. <i>Chinese Journal of Catalysis</i> , 2017 , 38, 2048-2055	11.3	15
328	Near-infrared anti-Stokes photoluminescence of PbS QDs embedded in glasses. <i>Optics Express</i> , 2017 , 25, 6874-6882	3.3	9
327	Size-dependent photoluminescence of PbS QDs embedded in silicate glasses. <i>Optical Materials Express</i> , 2017 , 7, 2194	2.6	23
326	The pivotal effect of the interaction between reactant and anatase TiO ₂ nanosheets with exposed {0 0 1} facets on photocatalysis for the photocatalytic purification of VOCs. <i>Applied Catalysis B: Environmental</i> , 2016 , 181, 625-634	21.8	83
325	Phase formation, growth kinetics and optical properties of 0.5ZnO-0.5CdO thin films synthesized by sol-gel spin coating processes. <i>Ceramics International</i> , 2016 , 42, 17843-17852	5.1	4
324	Precipitation and Optical Properties of CsPbBr ₃ Quantum Dots in Phosphate Glasses. <i>Journal of the American Ceramic Society</i> , 2016 , 99, 2875-2877	3.8	124
323	A stochastic study of electron transfer kinetics in nano-particulate photocatalysis: a comparison of the quasi-equilibrium approximation with a random walking model. <i>Physical Chemistry Chemical Physics</i> , 2016 , 18, 31914-31923	3.6	11

322	Proposing the prospects of TiCN transition metal carbides (MXenes) as anodes of Li-ion batteries: a DFT study. <i>Physical Chemistry Chemical Physics</i> , 2016 , 18, 32937-32943	3.6	78
321	Formation of core/shell PbS/Na ₂ SrSi ₂ O ₆ nanocrystals in glass. <i>Optical Materials Express</i> , 2016 , 6, 5782-6	2	
320	Fabrication and band engineering of Cu-doped CdSe _{0.6} Te _{0.4} -alloyed quantum dots for solar cells. <i>Solar Energy Materials and Solar Cells</i> , 2016 , 157, 161-170	6.4	14
319	Highly efficient UV-Vis-infrared catalytic purification of benzene on CeMnxOy/TiO ₂ nanocomposite, caused by its high thermocatalytic activity and strong absorption in the full solar spectrum region. <i>Journal of Materials Chemistry A</i> , 2016 , 4, 9890-9899	13	38
318	Low temperature hydrothermal synthesis mechanism and thermal stability of p-type CuMnO ₂ nanocrystals. <i>New Journal of Chemistry</i> , 2016 , 40, 6498-6504	3.6	26
317	Crystal structural, optical properties and mott-schottky plots of p-type Ca doped CuFeO ₂ nanoplates. <i>Materials Research Bulletin</i> , 2016 , 83, 141-147	5.1	32
316	Novel photothermocatalytic synergetic effect leads to high catalytic activity and excellent durability of anatase TiO ₂ nanosheets with dominant {001} facets for benzene abatement. <i>Applied Catalysis B: Environmental</i> , 2016 , 198, 303-310	21.8	51
315	Activity of Chymotrypsin in Cationic and Nonionic Micellar Media: Ultraviolet and Fluorescence Spectroscopic Approach. <i>International Journal of Chemical Kinetics</i> , 2016 , 48, 79-87	1.4	4
314	Structure and Electronic Properties of a Continuous Random Network Model of an Amorphous Zeolitic Imidazolate Framework (a-ZIF). <i>Journal of Physical Chemistry C</i> , 2016 , 120, 15362-15368	3.8	47
313	Effect of buffer layer on thermochromic performances of VO ₂ films fabricated by magnetron sputtering. <i>Infrared Physics and Technology</i> , 2016 , 75, 22-25	2.7	37
312	Thermochromic performances of tungsten-doping porous VO ₂ thin films. <i>Journal of Sol-Gel Science and Technology</i> , 2016 , 78, 582-588	2.3	11
311	Effects of Y ³⁺ /Er ³⁺ ratio on the 2.7 μ m emission of Er ³⁺ ions in oxyfluoride glass-ceramics. <i>Optical Materials</i> , 2016 , 54, 89-93	3.3	15
310	Use of delafossite oxides CuCr _{1-x} Ga _x O ₂ nanocrystals in p-type dye-sensitized solar cell. <i>Journal of Alloys and Compounds</i> , 2016 , 662, 374-380	5.7	30
309	Effect of annealing temperature on the crystalline structure, growth behaviour and properties of SnO ₂ :Sb thin films prepared by radio frequency (RF)-magnetron sputtering. <i>Journal of Alloys and Compounds</i> , 2016 , 663, 371-378	5.7	20
308	Metal Support Interaction in Pt Nanoparticles Partially Confined in the Mesopores of Microsized Mesoporous CeO ₂ for Highly Efficient Purification of Volatile Organic Compounds. <i>ACS Catalysis</i> , 2016 , 6, 418-427	13.1	106
307	TiO ₂ /P3HT Hybrid Solar Cell with Efficient Interface Modification by Organic and Inorganic Materials: A Comparative Study. <i>Journal of Nanoscience and Nanotechnology</i> , 2016 , 16, 797-801	1.3	4
306	Porous W-doped VO ₂ films with simultaneously enhanced visible transparency and thermochromic properties. <i>Journal of Sol-Gel Science and Technology</i> , 2016 , 77, 85-93	2.3	58
305	Facile process to greatly improve the photocatalytic activity of the TiO ₂ thin film on window glass for the photodegradation of acetone and benzene. <i>Chemical Engineering Journal</i> , 2016 , 284, 1156-1164	14.7	26

304	UV-Visible and Infrared Light Driven Thermocatalytic Activity of Octahedral Layered Birnessite Nanoflowers Enhanced by a Novel Photoactivation. <i>Advanced Functional Materials</i> , 2016 , 26, 4518-4526	15.6	86
303	Effect of pre-heating temperature on structural and optical properties of sol-gel derived Zn _{0.8} Cd _{0.2} O thin films. <i>Journal Wuhan University of Technology, Materials Science Edition</i> , 2016 , 31, 1206-1210	1	1
302	A medium range order structural connection to the configurational heat capacity of borate-silicate mixed glasses. <i>Physical Chemistry Chemical Physics</i> , 2016 , 18, 10887-95	3.6	14
301	Role of Sodium Ion on TiO ₂ Photocatalyst: Influencing Crystallographic Properties or Serving as the Recombination Center of Charge Carriers?. <i>Journal of Physical Chemistry C</i> , 2016 , 120, 10390-10399	3.8	22
300	Influence of Amine-Based Cationic Gemini Surfactants on Catalytic Activity of α -Chymotrypsin. <i>International Journal of Chemical Kinetics</i> , 2016 , 48, 779-784	1.4	7
299	Low-temperature solution synthesis of a ZnO nanorod array with a mesoporous surface mediated by cadmium ions. <i>CrystEngComm</i> , 2016 , 18, 8277-8283	3.3	5
298	Thermal expansion and crystallization behaviour of magnesium aluminosilicate glasses doped with neodymium ions. <i>Journal of Commonwealth Law and Legal Education</i> , 2016 , 57, 153-157	0.2	2
297	Correlation of electron transport and photocatalysis of nanocrystalline clusters studied by Monte-Carlo continuity random walking. <i>Physical Chemistry Chemical Physics</i> , 2015 , 17, 5265-73	3.6	8
296	Effect of the interface on UV-Visible and IR photodetection performance of PbS/ZnO nanocomposite photocatalysts. <i>Applied Surface Science</i> , 2015 , 358, 498-505	6.7	9
295	Preparation of p-type AgCrO ₂ nanocrystals through low-temperature hydrothermal method and the potential application in p-type dye-sensitized solar cell. <i>Journal of Alloys and Compounds</i> , 2015 , 642, 104-110	5.7	32
294	Optical properties and microstructure of Au nanorods via seed solution amount variation synthesized by seed-mediated growth method. <i>Journal of Alloys and Compounds</i> , 2015 , 649, 617-624	5.7	5
293	Enhanced 1.47 μ m emission from Tm ³⁺ ions in rare-earth co-doped oxyfluoride glass-ceramics. <i>Journal of Non-Crystalline Solids</i> , 2015 , 416, 31-35	3.9	7
292	Poly(methyl methacrylate) (PMMA) doped with DCJTb for luminescent solar concentrator applications. <i>Solar Energy</i> , 2015 , 115, 569-576	6.8	25
291	Ab initio molecular dynamics study on thermal expansion of solid-solution compounds in MAX phase. <i>Computational Materials Science</i> , 2015 , 103, 200-203	3.2	5
290	Er ³⁺ Ions-Doped Germano-Gallate Oxyfluoride Glass-Ceramics Containing BaF ₂ Nanocrystals. <i>Journal of the American Ceramic Society</i> , 2015 , 98, 2117-2121	3.8	27
289	Synergetic Effect between Photocatalysis on TiO ₂ and Thermocatalysis on CeO ₂ for Gas-Phase Oxidation of Benzene on TiO ₂ /CeO ₂ Nanocomposites. <i>ACS Catalysis</i> , 2015 , 5, 3278-3286	13.1	242
288	A controlled solvothermal synthesis of CuS hierarchical structures and their natural-light-induced photocatalytic properties. <i>New Journal of Chemistry</i> , 2015 , 39, 5470-5476	3.6	48
287	Aspect ratio control of Au nanorods via covariation of the total amount of HAuCl ₄ and ascorbic acid. <i>Journal of Alloys and Compounds</i> , 2015 , 637, 36-43	5.7	7

286	Influences of TiO ₂ Addition on the Crystallization Behavior, Microstructure, and Magnetic Properties of Li ₂ O-MnO ₂ -Fe ₂ O ₃ -CaO-P ₂ O ₅ -SiO ₂ Glasses. <i>Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science</i> , 2015 , 46, 2040-2050	2.3	1
285	Crystallization properties of magnesium aluminosilicate glass-ceramics with and without rare-earth oxides. <i>Journal of Non-Crystalline Solids</i> , 2015 , 419, 1-5	3.9	19
284	Preparation and characterization of CuCrO ₂ /TiO ₂ heterostructure photocatalyst with enhanced photocatalytic activity. <i>Applied Surface Science</i> , 2015 , 347, 747-754	6.7	20
283	Synergetic effect between photocatalysis on TiO ₂ and solar light-driven thermocatalysis on MnO _x for benzene purification on MnO _x /TiO ₂ nanocomposites. <i>Journal of Materials Chemistry A</i> , 2015 , 3, 5509-5516	13.5	78
282	Thermal Insulation Monolith of Aluminum Tobermorite Nanosheets Prepared from Fly Ash. <i>ACS Sustainable Chemistry and Engineering</i> , 2015 , 3, 2866-2873	8.3	19
281	Surface doping of La ions into ZnO nanocrystals to lower the optimal working temperature for HCHO sensing properties. <i>Physical Chemistry Chemical Physics</i> , 2015 , 17, 27437-45	3.6	45
280	A facile hydrothermal route to synthesize delafossite CuMnO ₂ nanocrystals. <i>Journal of Materials Science: Materials in Electronics</i> , 2015 , 26, 10159-10163	2.1	18
279	High second-order nonlinearity by p-n junction formation in plasma enhanced chemical vapor deposition deposited hydrogenated amorphous silicon thin films. <i>Applied Physics Letters</i> , 2015 , 106, 061905	3.4	1
278	The properties of PMMA/DCJTb thin-film luminescent solar concentrator with various thicknesses. <i>Solar Energy</i> , 2015 , 120, 419-427	6.8	9
277	Hierarchical ZnO hollow microspheres with exposed (001) facets as promising catalysts for the thermal decomposition of ammonium perchlorate. <i>CrystEngComm</i> , 2015 , 17, 8689-8696	3.3	25
276	In Situ Photoconductivity Kinetic Study of Nano-TiO ₂ during the Photocatalytic Oxidation of Formic Acid: Effects of New Recombination and Current Doubling. <i>Journal of Physical Chemistry C</i> , 2015 , 119, 21711-21722	3.8	16
275	Formation and optical properties of ZnSe and ZnS nanocrystals in glasses. <i>Journal of Non-Crystalline Solids</i> , 2015 , 429, 79-82	3.9	37
274	Full solar spectrum light driven thermocatalysis with extremely high efficiency on nanostructured Ce ion substituted OMS-2 catalyst for VOCs purification. <i>Nanoscale</i> , 2015 , 7, 2633-40	7.7	71
273	Quantum Dots in Glasses: Size-Dependent Stokes Shift by Lead Chalcogenide. <i>International Journal of Applied Glass Science</i> , 2015 , 6, 339-344	1.8	29
272	Sol-Gel Process Synthesis and Visible-Light Photocatalytic Degradation Performance of Ag Doped K ₂ Ti ₄ O ₉ . <i>Integrated Ferroelectrics</i> , 2015 , 161, 62-69	0.8	1
271	Improved visible transparency of SiO ₂ /ZnO:Al /CeO ₂ -TiO ₂ /SiO ₂ multilayer films with high UV absorption and infrared reflection rate. <i>Journal Wuhan University of Technology, Materials Science Edition</i> , 2015 , 30, 941-946	1	1
270	Preparation of the monolith of hierarchical macro-/mesoporous calcium silicate ultrathin nanosheets with low thermal conductivity by means of ambient-pressure drying. <i>Chemistry - an Asian Journal</i> , 2015 , 10, 1394-401	4.5	6
269	Extremely efficient full solar spectrum light driven thermocatalytic activity for the oxidation of VOCs on OMS-2 nanorod catalyst. <i>Applied Catalysis B: Environmental</i> , 2015 , 174-175, 496-503	21.8	85

268	Hydrothermal synthesis of delafossite CuFeO ₂ crystals at 100 °C. <i>RSC Advances</i> , 2015 , 5, 49280-49286	3.7	42
267	A facile hydrothermal method for the controllable synthesis of TiO ₂ nanocrystals with tunable shapes. <i>RSC Advances</i> , 2015 , 5, 103386-103393	3.7	2
266	Effect of solution volume covariation on the growth mechanism of Au nanorods using the seed-mediated method. <i>Acta Materialia</i> , 2015 , 85, 322-330	8.4	3
265	Surface, conformational and catalytic activity approach of β -chymotrypsin and trypsin in micellar media. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2015 , 470, 188-193	5.1	8
264	Utilizing Sn Precursor To Promote the Nucleation of PbSe Quantum Dots with in Situ Halide Passivation. <i>Journal of Physical Chemistry C</i> , 2015 , 119, 5626-5632	3.8	11
263	Three naphthoate-based cadmium(II) complexes with discrete binuclear, cyclic tetranuclear, and polymeric double-chain motifs. <i>Russian Journal of Coordination Chemistry/Koordinatsionnaya Khimiya</i> , 2015 , 41, 16-24	1.6	7
262	Phase formation of zinc titanate precursor prepared by a hydrothermal route at pH 5. <i>Ceramics International</i> , 2014 , 40, 7407-7415	5.1	12
261	Origin of the frequency shift of Raman scattering in chalcogenide glasses. <i>Journal of Non-Crystalline Solids</i> , 2014 , 391, 117-119	3.9	23
260	Infrared photoluminescence from lead sulfide quantum dots in glasses enriched in sulfur. <i>Journal of Non-Crystalline Solids</i> , 2014 , 391, 39-42	3.9	14
259	Effects of addition of tungsten chloride on optical properties of VO ₂ -based thermochromic films prepared by sol-gel method. <i>Journal of Non-Crystalline Solids</i> , 2014 , 383, 116-120	3.9	12
258	VO ₂ /AZO double-layer films with thermochromism and low-emissivity for smart window applications. <i>Journal of Non-Crystalline Solids</i> , 2014 , 383, 121-125	3.9	25
257	The effect of Ce ion substituted OMS-2 nanostructure in catalytic activity for benzene oxidation. <i>Nanoscale</i> , 2014 , 6, 15048-58	7.7	51
256	Effect of Ag Nanoparticles Doped in Polymethyl Methacrylate Matrix for Luminescent Solar Concentrator. <i>Key Engineering Materials</i> , 2014 , 599, 291-297	0.4	2
255	Oleic acid assisted formation mechanism of CuInS ₂ nanocrystals with tunable structures. <i>RSC Advances</i> , 2014 , 4, 36875-36881	3.7	20
254	Kinetic study of the heterogeneous photocatalysis of porous nanocrystalline TiO ₂ assemblies using a continuous random walk simulation. <i>Physical Chemistry Chemical Physics</i> , 2014 , 16, 22343-51	3.6	17
253	Thermodynamic and kinetic analysis of heterogeneous photocatalysis for semiconductor systems. <i>Physical Chemistry Chemical Physics</i> , 2014 , 16, 8751-60	3.6	172
252	Compositional dependency of upconversion luminescence of Nd ³⁺ doped GeO ₂ -BaSO ₄ -Br chalcogenide glasses. <i>Journal of Non-Crystalline Solids</i> , 2014 , 406, 27-30	3.9	4
251	Infrared emission from Er ³⁺ /Y ³⁺ co-doped oxyfluoride glass-ceramics. <i>Journal of Non-Crystalline Solids</i> , 2014 , 404, 37-42	3.9	14

250	Preparation of layered potassium titanate whiskers with large length-diameter ratio by KDC method. <i>Journal Wuhan University of Technology, Materials Science Edition</i> , 2014 , 29, 669-673	1	2
249	Effects of YF3 doping on the optical properties of Er ³⁺ ions in oxyfluoride glass-ceramics. <i>Journal of Luminescence</i> , 2014 , 153, 252-258	3.8	12
248	Preparation and enhanced photocatalytic activity of TiO ₂ nanocrystals with internal pores. <i>ACS Applied Materials & Interfaces</i> , 2014 , 6, 1608-15	9.5	95
247	Synthesis and characterization of CuAlO(2) and AgAlO(2) delafossite oxides through low-temperature hydrothermal methods. <i>Inorganic Chemistry</i> , 2014 , 53, 4106-16	5.1	58
246	Morphology tuning of mono-disperse silver nanoparticles by reaction temperature adjustment. <i>Journal Wuhan University of Technology, Materials Science Edition</i> , 2014 , 29, 40-43	1	3
245	Tremendous effect of the morphology of birnessite-type manganese oxide nanostructures on catalytic activity. <i>ACS Applied Materials & Interfaces</i> , 2014 , 6, 14981-7	9.5	140
244	Preparation and optical polarization of Ag/epoxy composite films with aligned Ag nanowires. <i>Journal of Alloys and Compounds</i> , 2014 , 592, 57-62	5.7	13
243	Isothermal crystallization kinetics and effect of crystallinity on the optical properties of nanosized CeO ₂ powder. <i>Ceramics International</i> , 2014 , 40, 6663-6671	5.1	24
242	White upconversion luminescence generation from Ho ³⁺ singly doped chalcogenide glasses. <i>Materials Research Bulletin</i> , 2014 , 55, 102-105	5.1	6
241	Infrared emission properties of Dy ³⁺ -doped and Dy ³⁺ , Tm ³⁺ -codoped chalcogenide glasses. <i>Journal of Non-Crystalline Solids</i> , 2014 , 383, 205-208	3.9	4
240	Growth and optical properties of cerium dioxide nanocrystallites prepared by coprecipitation routes. <i>Ceramics International</i> , 2014 , 40, 4055-4064	5.1	30
239	Thermal behavior and crystallization kinetics of cerium dioxide precursor powders. <i>Ceramics International</i> , 2014 , 40, 13953-13959	5.1	7
238	Ab initio study of structural and electronic properties of ternary alkali-metal-based semimetal compounds. <i>Computational Materials Science</i> , 2014 , 91, 231-234	3.2	3
237	Dual-band photoluminescence of lead selenide quantum dots doped oxyfluoride glass-ceramics containing BaF ₂ nanocrystals. <i>Journal of Non-Crystalline Solids</i> , 2014 , 385, 136-141	3.9	7
236	Study on the Reaction Mechanism of Potassium Titanate Fibers. <i>Integrated Ferroelectrics</i> , 2014 , 153, 156-163	1.3	5
235	Direct observation of Nd ³⁺ and Tm ³⁺ ion distributions in oxy-fluoride glass ceramics containing PbF ₂ nanocrystals. <i>Materials Characterization</i> , 2014 , 98, 228-232	3.9	9
234	Size-controlled oriented crystallization in SiO ₂ -based glasses by femtosecond laser irradiation. <i>Journal of the Optical Society of America B: Optical Physics</i> , 2014 , 31, 376	1.7	25
233	Effect of annealing duration and substrates on structure and property of vanadium dioxide films. <i>Journal Wuhan University of Technology, Materials Science Edition</i> , 2014 , 29, 1117-1123	1	4

232	pH-Dependent synthesis of two new lead(II) coordination polymers with 4-aminoantipyrine and 5-nitroisophthalate ligands. <i>Russian Journal of Coordination Chemistry/Koordinatsionnaya Khimiya</i> , 2014 , 40, 773-780	1.6	
231	Direct experimental evidence for SbZn ₂ VZn complex as the important defect in the Sb-doped ZnO nanocrystals. <i>Materials Letters</i> , 2014 , 116, 363-366	3.3	13
230	Crystallite growth kinetics of TiO ₂ surface modification with 9 mol% ZnO prepared by a coprecipitation process. <i>Journal of Alloys and Compounds</i> , 2014 , 588, 428-439	5.7	16
229	CdS quantum dots sensitized solar cells based on free-standing and through-hole TiO ₂ nanotube arrays. <i>Dalton Transactions</i> , 2013 , 42, 14726-32	4.3	33
228	Densely populated mesopores in microcuboid CeO ₂ crystal leading to a significant enhancement of catalytic activity. <i>Journal of Materials Chemistry A</i> , 2013 , 1, 728-734	13	48
227	Recent Progress on Self-Cleaning Glasses and Integration with Other Functions 2013 , 57-88		1
226	Investigation of electron behavior in Nano-TiO ₂ photocatalysis by using in situ open-circuit voltage and photoconductivity measurements. <i>Chemistry - A European Journal</i> , 2013 , 19, 10751-9	4.8	24
225	Characterization of Cu ₂ ZnSnS ₄ Thin Films Prepared by Solution-based Deposition Techniques. <i>Physics Procedia</i> , 2013 , 48, 228-234		14
224	Controllable Synthesis of ZnO Nanostructures with Various Morphologies. <i>Physics Procedia</i> , 2013 , 48, 235-240		3
223	Pre-treating sputtered TiO ₂ film by photoelectrocatalysis to increase the performance of photo-activity and photoinduced hydrophilicity. <i>Journal of Electroanalytical Chemistry</i> , 2013 , 688, 224-227 ^{4.1}		4
222	Optical non-linearity in nano- and micro-crystallized glasses. <i>Journal of Non-Crystalline Solids</i> , 2013 , 377, 146-150	3.9	18
221	Comparative Study of Optical Properties of Polarizing Oxide Glasses with Silver Nanorods and Chalcogenide Glasses with Copper Nanoparticles. <i>Physics Procedia</i> , 2013 , 48, 191-195		5
220	Structure and Vibrational Modes of As-S-Se Glasses: Raman Scattering and Ab Initio Calculations. <i>Physics Procedia</i> , 2013 , 48, 59-64		12
219	Crystallization Kinetics of Superionic Conductive Al(B, La)- Incorporated LiTi ₂ (PO ₄) ₃ Glass-Ceramics. <i>Journal of the American Ceramic Society</i> , 2013 , 96, 801-805	3.8	29
218	Construction of hierarchical titanium dioxide nanomaterials by tuning the structure of polyvinylpyrrolidone-titanium butoxide complexes from 2- to 3-dimensional. <i>Journal of Materials Chemistry A</i> , 2013 , 1, 4993	13	23
217	CdS quantum dots-sensitized TiO ₂ nanotube arrays for solar cells. <i>Journal Wuhan University of Technology, Materials Science Edition</i> , 2013 , 28, 17-21	1	12
216	High-performance UV photodetection of unique ZnO nanowires from zinc carbonate hydroxide nanobelts. <i>ACS Applied Materials & Interfaces</i> , 2013 , 5, 5861-7	9.5	35
215	Effect of giant oxygen vacancy defects on the catalytic oxidation of OMS-2 nanorods. <i>Journal of Materials Chemistry A</i> , 2013 , 1, 6736	13	181

214	Tuning the K ⁺ concentration in the tunnel of OMS-2 nanorods leads to a significant enhancement of the catalytic activity for benzene oxidation. <i>Environmental Science & Technology</i> , 2013 , 47, 13730-6	10.3	163
213	Enhanced Up-Conversion Luminescence in Er ³⁺ -Doped 25GeS ₂ B ₅ Ga ₂ S ₃ 40CsCl Chalcogenide Glass/Ceramics. <i>Journal of the American Ceramic Society</i> , 2013 , 96, 816-819	3.8	20
212	Direct imaging of inhomogeneous distribution of Er ³⁺ ions in lead fluoride nanocrystals. <i>Journal of Non-Crystalline Solids</i> , 2013 , 365, 1-5	3.9	16
211	Continuous-Wave Laser Patterning of Three-Dimensional Microstructure in Glasses Containing Silver Nanoparticles. <i>International Journal of Applied Glass Science</i> , 2013 , 4, 5-8	1.8	
210	Visible light photocatalysis via 3D-ordered macroporous TiO ₂ films sensitized with CdS quantum dots. <i>Journal of Nanoscience and Nanotechnology</i> , 2013 , 13, 1461-6	1.3	3
209	TiO ₂ /WO ₃ Layered Film with Dual-Function of Anti-UV Light and High Photoelectrocatalytic Activity: Facile Preparation and Characterization. <i>Journal of the American Ceramic Society</i> , 2012 , 95, 3346-3351	2.8	10
208	Novel effect of significant enhancement of gas-phase photocatalytic efficiency for nano ZnO. <i>Chemical Engineering Journal</i> , 2012 , 213, 218-224	14.7	29
207	Highly selective photocatalytic and sensing properties of 2D-ordered dome films of nano titania and nano Ag ²⁺ doped titania. <i>Journal of Materials Chemistry</i> , 2012 , 22, 1469-1476		44
206	P-type transparent conducting SnO ₂ :Zn film derived from thermal diffusion of Zn/SnO ₂ /Zn multilayer thin films. <i>Surface and Coatings Technology</i> , 2012 , 206, 4356-4361	4.4	31
205	Polymeric adsorption of methylene blue in TiO ₂ colloids-highly sensitive thermochromism and selective photocatalysis. <i>Chemistry - A European Journal</i> , 2012 , 18, 12705-11	4.8	31
204	The synthesis, characterization, photocatalytic evaluation and deactivation behavior of sheet-like nano titania. <i>Journal Wuhan University of Technology, Materials Science Edition</i> , 2012 , 27, 857-860	1	1
203	Two-step anodization of multilayer TiO ₂ nanotube and its photocatalytic activity under UV light. <i>Journal Wuhan University of Technology, Materials Science Edition</i> , 2012 , 27, 866-870	1	3
202	Effect of heat-treatment on crystalline phase and UV absorption of 60CeO ₂ -40TiO ₂ thin films by magnetron sputtering. <i>Journal Wuhan University of Technology, Materials Science Edition</i> , 2012 , 27, 881-885	1	1
201	Optical properties of Au nanoparticles coated on surface of glass or anodic aluminum oxide template. <i>Journal Wuhan University of Technology, Materials Science Edition</i> , 2012 , 27, 897-901	1	
200	Effect of the formation of CNTs on the reduction of ilmenite. <i>Journal Wuhan University of Technology, Materials Science Edition</i> , 2012 , 27, 948-951	1	
199	One-dimensional silver nanowires synthesized by self-seeding polyol process. <i>Journal of Nanoparticle Research</i> , 2012 , 14, 1	2.3	91
198	Thermal behavior and lithium ion conductivity of L ₂ O-Al ₂ O ₃ -TiO ₂ -SiO ₂ -P ₂ O ₅ glass-ceramics. <i>Journal Wuhan University of Technology, Materials Science Edition</i> , 2012 , 27, 67-72	1	10
197	Synthesis, Characterization, and Photocatalysis of Fe-Doped : A Combined Experimental and Theoretical Study. <i>International Journal of Photoenergy</i> , 2012 , 2012, 1-10	2.1	26

196	Tuning the relative concentration ratio of bulk defects to surface defects in TiO ₂ nanocrystals leads to high photocatalytic efficiency. <i>Journal of the American Chemical Society</i> , 2011 , 133, 16414-7	16.4	830
195	Enhanced photocatalytic activity of mesoporous S-N-codoped TiO ₂ loaded with Ag nanoparticles. <i>Semiconductor Science and Technology</i> , 2011 , 26, 085037	1.8	16
194	Formation of AgI/TiO ₂ nanocomposite leads to excellent thermochromic reversibility and photostability. <i>Journal of Materials Chemistry</i> , 2011 , 21, 9263		66
193	Ultralow density, hollow silica foams produced through interfacial reaction and their exceptional properties for environmental and energy applications. <i>Journal of Materials Chemistry</i> , 2011 , 21, 12041		37
192	Effects of annealing temperature on structure and opt-electric properties of ion-conducting LLTO thin films prepared by RF magnetron sputtering. <i>Journal of Alloys and Compounds</i> , 2011 , 509, 1910-1914	5.7	45
191	Compositional dependences on the mechanism of upconversion in Nd ³⁺ /Tm ³⁺ co-doped chalcogenide glasses. <i>Journal of Non-Crystalline Solids</i> , 2011 , 357, 2421-2423	3.9	14
190	Third-order nonlinearity in Ag-nanoparticles embedded 56GeS ₂ 4Ga ₂ S ₃ 0KBr chalcogenide glasses. <i>Journal of Non-Crystalline Solids</i> , 2011 , 357, 2320-2323	3.9	19
189	Fabrication and ionic conductivity of amorphous LiAlTiPO ₄ thin film. <i>Journal of Non-Crystalline Solids</i> , 2011 , 357, 3267-3271	3.9	24
188	Fabrication and characterization of CdS-sensitized TiO ₂ nanotube photoelectrode. <i>Journal of Nanoparticle Research</i> , 2011 , 13, 555-562	2.3	14
187	Enhancement of third-order nonlinearity in Ag-nanoparticles-contained chalcogenide glasses. <i>Journal of Nanoparticle Research</i> , 2011 , 13, 3693-3697	2.3	22
186	Optimized second-order optical nonlinearity in thermally poled GeS ₂ -Ga ₂ S ₃ -KI chalcogenide glass. <i>Applied Physics A: Materials Science and Processing</i> , 2011 , 102, 245-249	2.6	4
185	Evidence of network demixing in GeS ₂ -Ga ₂ S ₃ chalcogenide glasses: A phase transformation study. <i>Journal of Solid State Chemistry</i> , 2011 , 184, 584-588	3.3	49
184	Upconversion luminescence properties of Er ³⁺ doped GeS ₂ -Ga ₂ S ₃ -KCl chalcogenide glasses. <i>Rare Metals</i> , 2011 , 30, 18-21	5.5	4
183	Preparation and characterization of transparent conductive zinc doped tin oxide thin films prepared by radio-frequency magnetron sputtering. <i>Journal Wuhan University of Technology, Materials Science Edition</i> , 2011 , 26, 388-392	1	14
182	Ag/PMMA hollow waveguide for solar energy transmission. <i>Frontiers of Chemical Science and Engineering</i> , 2011 , 5, 303-307	4.5	1
181	Effect of heat treatment on 7Na ₂ O3B ₂ O ₃ 0SiO ₂ glass. <i>Ceramics International</i> , 2011 , 37, 1769-1773	5.1	3
180	Theoretical Kinetic Analysis of Heterogeneous Photocatalysis: The Effects of Surface Trapping and Bulk Recombination through Defects. <i>Journal of Physical Chemistry C</i> , 2011 , 115, 16037-16042	3.8	36
179	Ag/epoxy nanocomposite film with aligned Ag nanowires and their polarization property. <i>Journal of Materials Research</i> , 2011 , 26, 2691-2700	2.5	17

178	Coupling Oxygen Ion Conduction to Photocatalysis in Mesoporous Nanorod-like Ceria Significantly Improves Photocatalytic Efficiency. <i>Journal of Physical Chemistry C</i> , 2011 , 115, 14050-14057	3.8	108
177	Growth of free-standing TiO ₂ nanorod arrays and its application in CdS quantum dots-sensitized solar cells. <i>Chemical Physics Letters</i> , 2011 , 508, 130-133	2.5	39
176	Comparison of dye photodegradation and its coupling with light-to-electricity conversion over TiO ₂ and ZnO. <i>Langmuir</i> , 2010 , 26, 591-7	4	228
175	Facile Fabrication of 3D-Ordered Macroporous Nanocrystalline Iron Oxide Films with Highly Efficient Visible Light Induced Photocatalytic Activity. <i>Journal of Physical Chemistry C</i> , 2010 , 114, 9706-9712	3.8	101
174	Non-linear optical properties of chalcogenide and chalcohalide glasses. <i>Journal of Non-Crystalline Solids</i> , 2010 , 356, 2375-2377	3.9	16
173	Nd ³⁺ sensitized blue upconversion luminescence in Nd ³⁺ /Pr ³⁺ co-doped Ge ₄₀ As ₁₀ Br ₄₀ Br chalcocalide glasses. <i>Journal of Non-Crystalline Solids</i> , 2010 , 356, 2406-2408	3.9	1
172	Effect of substrate temperature on the crystal growth orientation of SnO ₂ :F thin films spray-deposited on glass substrates. <i>Journal of Non-Crystalline Solids</i> , 2010 , 356, 2557-2561	3.9	39
171	Second harmonic generation of the 4TiO ₂ ·6BaO·50B ₂ O ₃ transparent crystallized glasses. <i>Journal of Non-Crystalline Solids</i> , 2010 , 356, 2295-2298	3.9	1
170	Hydrogenated nanocrystalline silicon thin film prepared by RF-PECVD at high pressure. <i>Journal of Non-Crystalline Solids</i> , 2010 , 356, 2552-2556	3.9	25
169	Second-order optical nonlinearity and ionic conductivity of nanocrystalline GeS ₂ -Ga ₂ S ₃ -LiI glass-ceramics with improved thermo-mechanical properties. <i>Physical Chemistry Chemical Physics</i> , 2010 , 12, 3780-7	3.6	27
168	Photothermocatalytic Synergetic Effect Leads to High Efficient Detoxification of Benzene on TiO ₂ and Pt/TiO ₂ Nanocomposite. <i>ChemCatChem</i> , 2010 , 2, 1082-1087	5.2	59
167	Optical properties of pulsed laser deposited amorphous (GeSe ₂) _{100-x} Bi _x Films. <i>Applied Physics A: Materials Science and Processing</i> , 2010 , 99, 889-894	2.6	7
166	A kinetic model for evaluating the dependence of the quantum yield of nano-TiO ₂ based photocatalysis on light intensity, grain size, carrier lifetime, and minority carrier diffusion coefficient: Indirect interfacial charge transfer. <i>Electrochimica Acta</i> , 2010 , 55, 4062-4070	6.7	37
165	Effect of pH value on the micro-structures and optical properties of nano-crystalline CuInS ₂ by solvothermal method. <i>Journal Wuhan University of Technology, Materials Science Edition</i> , 2010 , 25, 399-402	4	1
164	Temperature effect on the photocatalytic degradation of methyl orange under UV-vis light irradiation. <i>Journal Wuhan University of Technology, Materials Science Edition</i> , 2010 , 25, 210-213	1	34
163	The influence of annealing on electrochromic properties of Al ₂ O ₃ /NiO thin films prepared by sol-gel. <i>Journal of Sol-Gel Science and Technology</i> , 2010 , 54, 43-48	2.3	8
162	Surface modification of ZnO with Ag improves its photocatalytic efficiency and photostability. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2010 , 216, 149-155	4.7	229
161	Ultrafast non-resonant third-order optical nonlinearity of CdS chalcogenide glass. <i>Solid State Communications</i> , 2010 , 150, 875-878	1.6	9

160	Structural, electrical and optical properties of p-type transparent conducting SnO ₂ :Al film derived from thermal diffusion of Al/SnO ₂ /Al multilayer thin films. <i>Acta Materialia</i> , 2010 , 58, 6243-6248	8.4	50
159	Preparation and enhancement of second-order nonlinearity of hybrid PMMA/SiO ₂ glass with Sb ₂ S ₃ nanocrystals. <i>Journal of Materials Research</i> , 2009 , 24, 2555-2560	2.5	
158	Synthesis of CuInS ₂ quantum dots on TiO ₂ porous films by solvothermal method for absorption layer of solar cells. <i>Progress in Organic Coatings</i> , 2009 , 64, 268-273	4.8	53
157	Transparent and high infrared reflection film having sandwich structure of SiO ₂ /Al:ZnO/SiO ₂ . <i>Progress in Organic Coatings</i> , 2009 , 64, 317-321	4.8	13
156	Electrochromic properties of Al doped B-substituted NiO films prepared by sol-gel. <i>Progress in Organic Coatings</i> , 2009 , 64, 300-303	4.8	21
155	Efficient degradation of aqueous methyl orange over TiO ₂ and CdS electrodes using photoelectrocatalysis under UV and visible light irradiation. <i>Progress in Organic Coatings</i> , 2009 , 64, 120-123	4.8	15
154	Synthesis, characterization and its visible-light-induced photocatalytic property of carbon doped ZnO. <i>Materials Letters</i> , 2009 , 63, 1747-1749	3.3	61
153	Preparation, characterization and photocatalytic property of Ag-loaded TiO ₂ powders using photodeposition method. <i>Journal Wuhan University of Technology, Materials Science Edition</i> , 2009 , 24, 258-263	1	12
152	Crystallization behavior of 80GeS ₂ ? 20Ga ₂ S ₃ chalcogenide glass. <i>Applied Physics A: Materials Science and Processing</i> , 2009 , 97, 713-720	2.6	53
151	Large second-order nonlinearity in thermally poled GeS ₂ -Ga ₂ S ₃ chalcogenide glass. <i>Optical Materials</i> , 2009 , 31, 865-869	3.3	7
150	Ultrafast third-order optical non-linearity of 0.56GeS ₂ 0.24Ga ₂ S ₃ 0.2KX(X=Cl, Br, I) chalcogenide glasses by femtosecond Optical Kerr Effect. <i>Optical Materials</i> , 2009 , 32, 26-29	3.3	7
149	The effect of sputtering power on the structure and photocatalytic activity of TiO ₂ films prepared by magnetron sputtering. <i>Thin Solid Films</i> , 2009 , 517, 6569-6575	2.2	33
148	Boron doping effects in electrochromic properties of NiO films prepared by sol-gel. <i>Solar Energy</i> , 2009 , 83, 2103-2108	6.8	34
147	The generation and stability of second-harmonic in electron-beam irradiated GeS ₂ -Ga ₂ S ₃ -CdS chalcogenide glasses. <i>Solid State Communications</i> , 2009 , 149, 266-268	1.6	5
146	Low temperature fabrication of V-doped TiO ₂ nanoparticles, structure and photocatalytic studies. <i>Journal of Hazardous Materials</i> , 2009 , 169, 1112-8	12.8	116
145	Second harmonic generation in surface crystallized 30GeS ₂ 0.5Ga ₂ S ₃ 0.5AgCl chalcogenide glasses. <i>Optical Materials</i> , 2009 , 31, 1434-1438	3.3	7
144	Thermal-induced gradually changes in the optical properties of amorphous GeSe ₂ film prepared by PLD. <i>Physica B: Condensed Matter</i> , 2009 , 404, 3397-3400	2.8	13
143	Synthesis and second-order optical nonlinearity of DAMS/Mn ₂ P ₂ S ₆ intercalated materials by ion exchange method. <i>Chemical Physics Letters</i> , 2009 , 477, 388-391	2.5	8

142	Electrical, structural, photoluminescence and optical properties of p-type conducting, antimony-doped SnO ₂ thin films. <i>Acta Materialia</i> , 2009 , 57, 278-285	8.4	108
141	On the optical properties of amorphous Ge ₂₅ As ₇₅ Br films prepared by pulsed laser deposition. <i>Applied Surface Science</i> , 2009 , 255, 5952-5956	6.7	4
140	Solvothermal synthesis and formation mechanism of chain-like triangular silver nanoplate assemblies: Application to metal-enhanced fluorescence (MEF). <i>Applied Surface Science</i> , 2009 , 255, 7361-7368	6.7	22
139	Shape-controlled synthesis for silver: Triangular/hexagonal nanoplates, chain-like nanoplate assemblies, and nanobelts. <i>Journal of Materials Research</i> , 2009 , 24, 2200-2209	2.5	26
138	Formation of Surface Complex Leading to Efficient Visible Photocatalytic Activity and Improvement of Photostability of ZnO. <i>Journal of Physical Chemistry C</i> , 2009 , 113, 16188-16192	3.8	46
137	Defect configurations in Ge ₂ chalcogenide glasses studied by Raman scattering and positron annihilation technique. <i>Journal of Non-Crystalline Solids</i> , 2009 , 355, 438-440	3.9	26
136	Annealing effects on the structure and optical properties of GeSe ₂ and GeSe ₄ films prepared by PLD. <i>Journal of Alloys and Compounds</i> , 2009 , 484, 645-648	5.7	27
135	Second-harmonic generation in IR-transparent beta-GeS ₂ crystallized glasses. <i>Optics Letters</i> , 2009 , 34, 437-9	3	30
134	The evidence for synthesis of truncated triangular silver nanoplates in the presence of CTAB. <i>Materials Characterization</i> , 2008 , 59, 380-384	3.9	24
133	The study of photocatalysis under ultraviolet+visible two-beam light irradiation using undoped nano-titanium dioxide. <i>Materials Chemistry and Physics</i> , 2008 , 112, 35-40	4.4	15
132	Facile fabrication of SiO ₂ /Al ₂ O ₃ composite microspheres with a simple electrostatic attraction strategy. <i>Materials Research Bulletin</i> , 2008 , 43, 714-722	5.1	17
131	Preparation of polarizing glasses of large size based on the directional alignment of crystal nucleus. <i>Materials Letters</i> , 2008 , 62, 4100-4102	3.3	4
130	Highly efficient visible-light-induced photocatalytic activity of nanostructured AgI/TiO ₂ photocatalyst. <i>Langmuir</i> , 2008 , 24, 8351-7	4	178
129	Efficient Visible-Light-Induced Photocatalytic Activity of a 3D-Ordered Titania Hybrid Photocatalyst with a Core/Shell Structure of Dye-Containing Polymer/Titania. <i>Journal of Physical Chemistry C</i> , 2008 , 112, 14973-14979	3.8	41
128	Development of multifunctional photoactive self-cleaning glasses. <i>Journal of Non-Crystalline Solids</i> , 2008 , 354, 1424-1430	3.9	120
127	Studies on a possible growth mechanism of silver nanoparticles loaded on TiO ₂ thin films by photoinduced deposition method. <i>Journal of Non-Crystalline Solids</i> , 2008 , 354, 1267-1271	3.9	18
126	Microstructural analysis of Ga ₂ S ₃ -MCl (M = K, Rb, Cs) glasses using Raman scattering. <i>Journal of Non-Crystalline Solids</i> , 2008 , 354, 1175-1178	3.9	1
125	New chalcogenide glasses from the GeS ₂ -h ₂ S ₃ -s ₂ Cl system. <i>Journal of Non-Crystalline Solids</i> , 2008 , 354, 1303-1307	3.9	11

124	Microstructure and thermal properties of the GeS ₂ In ₂ S ₃ As glassy system. <i>Journal of Non-Crystalline Solids</i> , 2008 , 354, 1298-1302	3.9	12
123	Electrodeposited and selenized CIGS thin films for solar cells. <i>Journal of Non-Crystalline Solids</i> , 2008 , 354, 1447-1450	3.9	26
122	Structural dependence of ultrafast third-order optical nonlinearity of Ge ₁₀ As ₈ chalcogenide glasses. <i>Journal of Non-Crystalline Solids</i> , 2008 , 354, 440-444	3.9	8
121	Electron beam poling in amorphous Ge-doped H:SiO ₂ films. <i>Journal of Non-Crystalline Solids</i> , 2008 , 354, 472-475	3.9	1
120	Preparation and properties of chalcogenide glasses in the GeS ₂ Sb ₂ S ₃ CdS system. <i>Journal of Non-Crystalline Solids</i> , 2008 , 354, 1159-1163	3.9	21
119	Second-harmonic generation in the thermal/electrical poling (100%)GeS ₂ (x)(0.5Ga ₂ S ₃ (1-5CdS) chalcogenide glasses. <i>Journal of Physics and Chemistry of Solids</i> , 2008 , 69, 97-100	3.9	11
118	Crystallite structure, surface morphology and optical properties of In ₂ O ₃ /TiO ₂ composite thin films by sol-gel method. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , 2008 , 151, 179-186	3.1	39
117	Preparation and characterization of CeO ₂ -TiO ₂ /SnO ₂ :Sb films deposited on glass substrates by R.F. sputtering. <i>Journal Wuhan University of Technology, Materials Science Edition</i> , 2008 , 23, 443-447	1	5
116	SbS ₃ enhanced ultrafast third-order optical nonlinearities of GeS ₂ chalcogenide glasses at 820nm. <i>Optical Materials</i> , 2008 , 31, 193-195	3.3	9
115	CTAB-assisted synthesis of mesoporous F ₁₂₇ -codoped TiO ₂ powders with high visible-light-driven catalytic activity and adsorption capacity. <i>Journal of Solid State Chemistry</i> , 2008 , 181, 1936-1942	3.3	51
114	The synthesis and kinetic growth of anisotropic silver particles loaded on TiO ₂ surface by photoelectrochemical reduction method. <i>Applied Surface Science</i> , 2008 , 254, 1705-1709	6.7	27
113	The influence of O ₂ partial pressure on the structure and surface wettability of C-modified TiO ₂ films prepared by magnetron co-sputtering. <i>Chemical Physics Letters</i> , 2008 , 457, 148-153	2.5	12
112	Permanent second-harmonic generation in AgGaGeS ₄ bulk-crystallized chalcogenide glasses. <i>Chemical Physics Letters</i> , 2008 , 460, 125-128	2.5	27
111	The structure and photocatalytic studies of N-doped TiO ₂ films prepared by radio frequency reactive magnetron sputtering. <i>Solar Energy Materials and Solar Cells</i> , 2008 , 92, 1-10	6.4	80
110	The surface change of TiO ₂ film induced by UV illumination and the effects on UV-vis transmission spectra. <i>Applied Surface Science</i> , 2008 , 255, 2752-2758	6.7	10
109	Microstructural characterization and optical polarization of glass with needle-like micro/nano silver oriented arrangement. <i>Optics Communications</i> , 2008 , 281, 5041-5044	2	12
108	The effects of synthesis temperature on the structure and visible-light-induced catalytic activity of F ₁₂₇ -codoped and S ₁₂₇ -codoped titania. <i>Journal of Molecular Catalysis A</i> , 2008 , 285, 142-149		29
107	Electrochemical detection of catechol at integrated carbon nanotubes electrodes. <i>Diamond and Related Materials</i> , 2007 , 16, 248-252	3.5	9

106	Crystal growth and thermal poling of CdS doped lead silicate glasses. <i>Solid State Communications</i> , 2007 , 142, 94-98	1.6	4
105	Structure dependence of ultrafast third-order optical nonlinearity for GeS ₂ Te ₂ S ₃ AsI chalcogenide glasses. <i>Solid State Communications</i> , 2007 , 142, 453-456	1.6	15
104	Study on the structure dependent ultrafast third-order optical nonlinearity of GeS ₂ Te ₂ S ₃ chalcogenide glasses. <i>Optics Communications</i> , 2007 , 270, 373-378	2	37
103	Thermally induced second harmonic generation in PbO-B ₂ O ₃ glasses. <i>Optics Communications</i> , 2007 , 274, 218-222	2	4
102	Second-order optical nonlinearity in Sb ₂ S ₃ microcrystal doped glasses by electron beam irradiation. <i>Optics Communications</i> , 2007 , 274, 456-460	2	9
101	Low-temperature preparation and visible-light-induced catalytic activity of anatase Fe ³⁺ -codoped TiO ₂ . <i>Journal of Molecular Catalysis A</i> , 2007 , 277, 119-126		95
100	Preparation and characterization of copper indium disulfide films by facile chemical method. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , 2007 , 139, 88-94	3.1	29
99	Second harmonic generation in transparent microcrystalline CdGa ₂ S ₄ -containing chalcogenide glass ceramics. <i>Optics Communications</i> , 2007 , 274, 466-470	2	11
98	Third- and second-order optical nonlinearity of Ge ₁₀ As ₁₀ Pb ₁₂ chalcogenide glasses. <i>Journal of Solid State Chemistry</i> , 2007 , 180, 240-248	3.3	19
97	Mechanism of electron beam poled SHG in 0.95GeS ₂ -0.05In ₂ S ₃ chalcogenide glasses. <i>Journal of Physics and Chemistry of Solids</i> , 2007 , 68, 158-161	3.9	15
96	Second-order non-linear optical studies on CdS microcrystallite-doped alkali borosilicate glasses. <i>Journal of Physics and Chemistry of Solids</i> , 2007 , 68, 963-967	3.9	6
95	Raman spectroscopic analysis of GeS ₂ -Ga ₂ S ₃ -PbI ₂ chalcogenide glasses. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2007 , 67, 1351-6	4.4	28
94	Preparation, characterization, and growth mechanism of a novel aligned nanosquare anatase in large quantities in the presence of TMAOH. <i>Journal of Colloid and Interface Science</i> , 2007 , 310, 171-7	9.3	17
93	Crystal growth and optical properties of CdS-doped lead silicate glass. <i>Materials Characterization</i> , 2007 , 58, 96-100	3.9	15
92	The photoluminescence spectroscopic study of anatase TiO ₂ prepared by magnetron sputtering. <i>Materials Chemistry and Physics</i> , 2007 , 106, 350-353	4.4	109
91	Sol-gel fabrication of compact, crack-free alumina film. <i>Materials Research Bulletin</i> , 2007 , 42, 600-608	5.1	62
90	Synthesis and properties of GeS ₂ -Ga ₂ S ₃ -PbI ₂ chalcogenide glasses. <i>Materials Research Bulletin</i> , 2007 , 42, 1111-1118	5.1	14
89	Study of thermal and optical properties of GeS ₂ -Ga ₂ S ₃ -Ag ₂ S chalcogenide glasses. <i>Materials Research Bulletin</i> , 2007 , 42, 1804-1810	5.1	13

88	Second-order non-linear optical studies on CdS microcrystallite doped lead silicate glasses. <i>Materials Letters</i> , 2007 , 61, 1031-1033	3-3	5
87	Preparation and second harmonic generation of nanosized Sb ₂ S ₃ doped silica glasses by the sol-gel process. <i>Journal of Sol-Gel Science and Technology</i> , 2007 , 41, 169-174	2-3	6
86	Elimination of a zero-growth in thickness of Al ₂ O ₃ protective film deposited by cycles of dip-coating method. <i>Journal of Sol-Gel Science and Technology</i> , 2007 , 42, 151-156	2-3	12
85	Composition dependence of thermally induced second-harmonic generation in chalcogenide glasses. <i>Journal of Materials Science</i> , 2007 , 42, 6549-6554	4-3	7
84	Formation, thermal, optical and physical properties of GeS ₂ -Ga ₂ S ₃ -AgCl novel chalcogenide glasses. <i>Journal of Materials Science</i> , 2007 , 42, 9632-9637	4-3	11
83	Low Temperature Preparation and Characterization of N-doped and N-S-codoped TiO ₂ by Sol-gel Route. <i>Catalysis Letters</i> , 2007 , 118, 231-237	2-8	55
82	The design and properties of G.656 optical fiber waveguide design. <i>Journal Wuhan University of Technology, Materials Science Edition</i> , 2007 , 22, 70-73	1	
81	Effect of thermal treatment and acid leaching process on pore characteristics of nanometer porous glass. <i>Journal Wuhan University of Technology, Materials Science Edition</i> , 2007 , 22, 129-131	1	1
80	Electrodeposition and characterization of CuInSe ₂ thin films for solar cells. <i>Journal Wuhan University of Technology, Materials Science Edition</i> , 2007 , 22, 140-143	1	3
79	Synthesis and characterization of silver nanowires with zigzag morphology in N,N-dimethylformamide. <i>Journal of Solid State Chemistry</i> , 2007 , 180, 2262-2267	3-3	15
78	Preparation and characterization of porous C-modified anatase titania films with visible light catalytic activity. <i>Journal of Solid State Chemistry</i> , 2007 , 180, 3576-3582	3-3	25
77	Structure and properties of GeS ₂ -Ga ₂ S ₃ -CdI ₂ chalcogenide glasses. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , 2007 , 138, 235-240	3-1	24
76	Optical second-order nonlinearity of the infrared transmitting 82GeS ₂ -18CdGa ₂ S ₄ nanocrystallized chalcogenide glass. <i>Applied Physics Letters</i> , 2007 , 91, 011904	3-4	19
75	Fabrication of TiO ₂ Microrod with Desired Shapes from Rod-like Titanium Glycolate. <i>Chemistry Letters</i> , 2007 , 36, 1352-1353	1-7	2
74	Study on the third and second-order nonlinear optical properties of GeS ₂ (2)-Ga ₂ S ₃ -AgCl chalcogenide glasses. <i>Optics Express</i> , 2007 , 15, 2398-408	3-3	36
73	Facile preparation, characterization and optical properties of rectangular PbCrO ₄ single-crystal nanorods. <i>Journal of Alloys and Compounds</i> , 2007 , 431, L4-L7	5-7	15
72	Structural evidence of secondary phase segregation from the Raman vibrational modes in Zn _{1-x} CoxO (0. <i>Applied Physics Letters</i> , 2007 , 91, 031908	3-4	93
71	The structural and photoluminescence studies related to the surface of the TiO ₂ sol prepared by wet chemical method. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , 2006 , 134, 27-31	3-1	49

70	Formation and properties of the Ge ₂ In ₂ S ₃ KCl new chalcogenide glassy system. <i>Materials Letters</i> , 2006 , 60, 741-745	3-3	20
69	Linear and Nonlinear Optical Properties of Ag Nanowire Polarizing Glass. <i>Advanced Functional Materials</i> , 2006 , 16, 2405-2408	15-6	102
68	Effects of PSMA and experimental conditions on the morphologies of BaCO ₃ whiskers. <i>Rare Metals</i> , 2006 , 25, 382-388	5-5	11
67	Second-order nonlinear optical properties of Ge-Ga-Ag-S glass irradiated by electron beam. <i>Transactions of Nonferrous Metals Society of China</i> , 2006 , 16, s170-s173	3-3	8
66	Structure and second-order nonlinearity of GeS ₂ -Ga ₂ S ₃ -X ₂ S ₃ (X=P, As, Sb) chalcogenide glasses. <i>Transactions of Nonferrous Metals Society of China</i> , 2006 , 16, s858-s860	3-3	2
65	Femtosecond optical Kerr effect study of amorphous chalcogenide films. <i>Journal of Non-Crystalline Solids</i> , 2006 , 352, 2351-2354	3-9	6
64	Material composition and structure design in PCVD silica-based single-mode fiber 2006 , 6352, 696		0
63	Preparation, characterization and photocatalytic activity of in situ N,S-codoped TiO ₂ powders. <i>Journal of Molecular Catalysis A</i> , 2006 , 246, 176-184		201
62	Enhanced photocatalytic activity of TiO ₂ powder (P25) by hydrothermal treatment. <i>Journal of Molecular Catalysis A</i> , 2006 , 253, 112-118		227
61	Ultrafast non-linear optical properties of Ge ₂₀ As ₂₅ Se ₅₅ chalcogenide films. <i>Optics Communications</i> , 2006 , 258, 72-77	2	3
60	Laser irradiation induced enhancement on the ultrafast third-order optical nonlinearity of chalcogenide glass. <i>Optical Materials</i> , 2006 , 28, 1020-1024	3-3	2
59	Preparation and photocatalytic activity of mesoporous anatase TiO ₂ nanofibers by a hydrothermal method. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2006 , 182, 121-127	4-7	165
58	Micro-structural study of the GeS ₂ -In ₂ S ₃ -KCl glassy system by Raman scattering. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2006 , 64, 1039-45	4-4	12
57	Raman scattering studies of the GeIn sulfide glasses. <i>Solid State Communications</i> , 2006 , 137, 408-412	1-6	44
56	Femtosecond third-order optical nonlinearity of the GeS ₂ -Ga ₂ S ₃ -CdI ₂ new chalcogenide glasses. <i>Solid State Communications</i> , 2006 , 138, 485-488	1-6	17
55	An approach to predict the solid film thickness possibly yielded from an alumina sol-gel liquid film. <i>Surface and Coatings Technology</i> , 2006 , 201, 2655-2661	4-4	13
54	A simple route to the water-repellent surface based on chemical N modified TiO ₂ structure films. <i>Surface and Coatings Technology</i> , 2006 , 201, 3606-3610	4-4	11
53	Ultrafast nonresonant third-order optical nonlinearity of the 0.64GeS ₂ 0.16Ga ₂ S ₃ 0.2CsCl chalcogenide glass. <i>Journal of Materials Science</i> , 2006 , 41, 6481-6484	4-3	6

52	Co-electrodeposition and Characterization of Cu (In, Ga)Se ₂ thin films. <i>Journal of Materials Science</i> , 2006 , 41, 1875-1878	4.3	15
51	The Synthesis of Stable, High Solid Content Alumina Sol. <i>Journal of Sol-Gel Science and Technology</i> , 2006 , 38, 19-23	2.3	10
50	Non-resonant third-order non-linear optical properties of amorphous GeSe ₂ film. <i>Journal of Non-Crystalline Solids</i> , 2005 , 351, 3147-3151	3.9	5
49	Ultrasonic preparation of mesoporous titanium dioxide nanocrystalline photocatalysts and evaluation of photocatalytic activity. <i>Journal of Molecular Catalysis A</i> , 2005 , 227, 75-80		124
48	Raman scattering studies of the GeS ₂ -Ga ₂ S ₃ -S ₂ Cl glassy system. <i>Solid State Communications</i> , 2005 , 133, 327-332	1.6	50
47	Photocatalytic mechanism of TiO ₂ -FeO ₂ films prepared by magnetron sputtering under UV and visible light. <i>Surface Science</i> , 2005 , 595, 203-211	1.8	126
46	Effect of heat treatment on the UV-vis-NIR and PL spectra of TiO ₂ films. <i>Journal of Electron Spectroscopy and Related Phenomena</i> , 2005 , 148, 158-163	1.7	69
45	The effect of O ₂ partial pressure on the structure and photocatalytic property of TiO ₂ films prepared by sputtering. <i>Materials Chemistry and Physics</i> , 2005 , 90, 207-212	4.4	67
44	Marvelous prolongation of lifetime of alumina sol from aluminum sec-butoxide with the presence of ethylacetoacetate in aqueous medium. <i>Materials Letters</i> , 2005 , 59, 3742-3745	3.3	8
43	Femtosecond optical Kerr effect study of Ge ₁₀ As ₄₀ S ₃₀ Se ₂₀ film. <i>Solid State Communications</i> , 2005 , 134, 513-517	1.6	13
42	Formation and properties of chalcogenide glasses in the GeS ₂ -Ga ₂ S ₃ -S ₂ system. <i>Materials Chemistry and Physics</i> , 2004 , 83, 284-288	4.4	23
41	Effects of PAA additive and temperature on morphology of calcium carbonate particles. <i>Journal of Solid State Chemistry</i> , 2004 , 177, 681-689	3.3	117
40	Thermal and optical properties of GeS ₂ -based chalcogenide glasses. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , 2004 , 110, 38-41	3.1	22
39	Structural investigations of GeS ₂ -Ga ₂ S ₃ -S ₂ chalcogenide glasses using Raman spectroscopy. <i>Solid State Communications</i> , 2004 , 130, 459-464	1.6	25
38	Facile preparation of calcium carbonate particles with unusual morphologies by precipitation reaction. <i>Journal of Crystal Growth</i> , 2004 , 261, 566-570	1.6	82
37	Raman spectroscopic study on the microstructure of GeS ₂ -Ga ₂ S ₃ -S ₂ glasses. <i>Journal of Molecular Structure</i> , 2004 , 697, 23-27	3.4	44
36	Morphological control of calcium oxalate particles in the presence of poly-(styrene-alt-maleic acid). <i>Journal of Solid State Chemistry</i> , 2004 , 177, 3368-3374	3.3	40
35	Numerical study of gas-solid flow in a precalciner using kinetic theory of granular flow. <i>Chemical Engineering Journal</i> , 2004 , 102, 151-160	14.7	19

34	Large and ultrafast third-order optical nonlinearity of GeS ₂ Te ₂ S ₃ As ₂ S ₃ chalcogenide glass. <i>Chemical Physics Letters</i> , 2004 , 399, 230-233	2.5	38
33	Preparation of monodispersed cubic calcium carbonate particles via precipitation reaction. <i>Materials Letters</i> , 2004 , 58, 1565-1570	3.3	89
32	Enhancing photocatalytic activity of the sol-gel derived TiO ₂ thin films by nitric acid treatment. <i>Journal of Materials Science Letters</i> , 2003 , 22, 967-970		5
31	Preparation and characterization of highly photoactive nanocrystalline TiO ₂ powders by solvent evaporation-induced crystallization method. <i>Science in China Series B: Chemistry</i> , 2003 , 46, 549		15
30	Effects of acidic and basic hydrolysis catalysts on the photocatalytic activity and microstructures of bimodal mesoporous titania. <i>Journal of Catalysis</i> , 2003 , 217, 69-69	7.3	468
29	A new method of fabricating internally sol-gel coated capillary tubes. <i>Surface and Coatings Technology</i> , 2003 , 162, 228-233	4.4	13
28	Effects of alcohol content and calcination temperature on the textural properties of bimodally mesoporous titania. <i>Applied Catalysis A: General</i> , 2003 , 255, 309-320	5.1	111
27	The Effect of Calcination Temperature on the Surface Microstructure and Photocatalytic Activity of TiO ₂ Thin Films Prepared by Liquid Phase Deposition. <i>Journal of Physical Chemistry B</i> , 2003 , 107, 13871-13879	3.4	1026
26	Study of the synthesis of SiO ₂ /TiO ₂ /GeO ₂ gel glass for hollow waveguide application in CO ₂ laser delivery. <i>Journal of Materials Chemistry</i> , 2003 , 13, 3066-3071		11
25	Photocatalytic Activity and Characterization of the Sol-Gel Derived Pb-Doped TiO ₂ Thin Films. <i>Journal of Sol-Gel Science and Technology</i> , 2002 , 24, 39-48	2.3	72
24	The Effect of SiO ₂ Addition on the Grain Size and Photocatalytic Activity of TiO ₂ Thin Films. <i>Journal of Sol-Gel Science and Technology</i> , 2002 , 24, 95-103	2.3	69
23	Atomic Force Microscopic Studies of Porous TiO ₂ Thin Films Prepared by the Sol-Gel Method. <i>Journal of Sol-Gel Science and Technology</i> , 2002 , 24, 229-240	2.3	25
22	Second-harmonic generation in GeAs ₂ S ₃ glasses by electron beam irradiation and analysis of the poling mechanism. <i>Optics Communications</i> , 2001 , 198, 187-192	2	49
21	Effect of surface microstructure on the super-hydrophilic property of the sol-gel derived porous TiO ₂ thin films. <i>Journal of Materials Science Letters</i> , 2001 , 20, 671-673		11
20	The grain size and surface hydroxyl content of super-hydrophilic TiO ₂ /SiO ₂ composite nanometer thin films. <i>Journal of Materials Science Letters</i> , 2001 , 20, 1745-1748		78
19	Photocatalytic activity of nanometer TiO ₂ thin films prepared by the sol-gel method. <i>Materials Chemistry and Physics</i> , 2001 , 69, 25-29	4.4	301
18	Preparation and characterization of super-hydrophilic porous TiO ₂ coating films. <i>Materials Chemistry and Physics</i> , 2001 , 68, 253-259	4.4	167
17	Effect of surface treatment on the photocatalytic activity and hydrophilic property of the sol-gel derived TiO ₂ thin films. <i>Materials Research Bulletin</i> , 2001 , 36, 97-107	5.1	124

16	Second-harmonic generation in Ge(20)As(25)S(55) glass irradiated by an electron beam. <i>Optics Letters</i> , 2001 , 26, 1347-9	3	42
15	Effect of surface structure on photocatalytic activity of TiO ₂ thin films prepared by sol-gel method. <i>Thin Solid Films</i> , 2000 , 379, 7-14	2.2	476
14	Effect of substrates on the photocatalytic activity of nanometer TiO ₂ thin films. <i>Materials Research Bulletin</i> , 2000 , 35, 1293-1301	5.1	153
13	Effect of film thickness on the grain size and photocatalytic activity of the sol-gel derived nanometer TiO ₂ thin films. <i>Journal of Materials Science Letters</i> , 2000 , 19, 1015-1017		78
12	Preparation, Microstructure and Photocatalytic Activity of the Porous TiO ₂ Anatase Coating by Sol-Gel Processing. <i>Journal of Sol-Gel Science and Technology</i> , 2000 , 17, 163-171	2.3	133
11	Formation and crystallization of As ₂ Te ₃ -HgI ₂ chalcogenide-halide glasses. <i>Journal of Non-Crystalline Solids</i> , 1995 , 184, 128-132	3.9	4
10	X-ray diffraction and molecular dynamics study of ThF ₄ BaF ₂ LiF glass. <i>Journal of Non-Crystalline Solids</i> , 1995 , 184, 172-176	3.9	2
9	Glass formation in Sb ₂ Se ₃ ?MX _n (metal halides). <i>Journal of Non-Crystalline Solids</i> , 1994 , 167, 70-73	3.9	16
8	Influence of alkali content and alkali mixing on the chemical durability of fluorozirconate glasses. <i>Journal of Materials Science</i> , 1993 , 28, 1622-1630	4.3	1
7	Heavy halide glasses based on lead bromide and lead iodide. <i>Journal of Non-Crystalline Solids</i> , 1992 , 140, 225-228	3.9	9
6	Properties of glasses in the ZrF ₄ -AlF ₃ -BaF ₂ -RF (R = Li, Na or K) system. <i>Journal of Materials Science</i> , 1988 , 23, 3455-3458	4.3	5
5	Properties of mixed alkali fluoride glasses in the ZrF ₄ ?PbF ₂ ?AlF ₃ ?RF (R = Li, Na, K) system. <i>Journal of Non-Crystalline Solids</i> , 1988 , 103, 93-100	3.9	9
4	Electrical conductivity of ZrF ₄ ?AlF ₃ ?BaF ₂ ?Alkali Fluoride glasses. <i>Journal of Non-Crystalline Solids</i> , 1988 , 99, 45-58	3.9	26
3	Glass formation and crystallization in alkali-containing fluoride glasses. <i>Journal of Non-Crystalline Solids</i> , 1987 , 95-96, 487-494	3.9	34
2	Mixed alkali effect in elastic properties of glasses in the ZrF ₄ -BaF ₂ - AlF ₃ -RF system (RF = LiF-NaF, NaF-KF). <i>Journal of Materials Science</i> , 1987 , 22, 4103-4107	4.3	20
1	Highly efficient tandem luminescent solar concentrators based on eco-friendly copper iodide based hybrid nanoparticles and carbon dots. <i>Energy and Environmental Science</i> ,	35.4	6