

Ru-Shi Liu

List of Publications by Year in Descending Order

Source: <https://exaly.com/author-pdf/3013822/ru-shi-liu-publications-by-year.pdf>

Version: 2024-04-26

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

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

602
papers

27,127
citations

83
h-index

144
g-index

645
ext. papers

30,914
ext. citations

6.3
avg, IF

7.44
L-index

#	Paper	IF	Citations
602	Ni-Doped Garnet Solid-Solution Phosphor-Converted Broadband Shortwave Infrared Light-Emitting Diodes toward Spectroscopy Application.. <i>ACS Applied Materials & Interfaces</i> , 2022 ,	9.5	13
601	Gap surface plasmon-enhanced photoluminescence from upconversion nanoparticle-sensitized perovskite quantum dots in a metal-insulator-metal configuration under NIR excitation. <i>Journal of Materials Chemistry C</i> , 2022 , 10, 532-541	7.1	1
600	Integrated therapy platform of exosomal system: hybrid inorganic/organic nanoparticles with exosomes for cancer treatment.. <i>Nanoscale Horizons</i> , 2022 ,	10.8	4
599	Simultaneous construction of impermeable dual-shell stabilizing fluoride phosphors for white light-emitting diodes. <i>Chemical Engineering Journal</i> , 2022 , 435, 134951	14.7	1
598	Systematic treatment and evaluation of nitride phosphor with hybrid layer modification against moisture degradation. <i>Chemical Engineering Journal</i> , 2022 , 430, 132789	14.7	0
597	Progress and Viewpoints of Multifunctional Composite Nanomaterials for Glioblastoma Theranostics.. <i>Pharmaceutics</i> , 2022 , 14,	6.4	3
596	Correlated Na ⁺ Ion Migration Invokes Zero Thermal Quenching in a Sodium Superionic Conductor-type Phosphor. <i>Chemistry of Materials</i> , 2022 , 34, 107-115	9.6	2
595	Plasmon-Triggered Upconversion Emissions and Hot Carrier Injection for Combinatorial Photothermal and Photodynamic Cancer Therapy. <i>ACS Applied Materials & Interfaces</i> , 2021 ,	9.5	1
594	Natural Carbon Nanodots: Toxicity Assessment and Theranostic Biological Application. <i>Pharmaceutics</i> , 2021 , 13,	6.4	7
593	Chromium Ion Pair Luminescence: A Strategy in Broadband Near-Infrared Light-Emitting Diode Design. <i>Journal of the American Chemical Society</i> , 2021 , 143, 19058-19066	16.4	27
592	Extensively Reducing Interfacial Resistance by the Ultrathin Pt Layer between the Garnet-Type Solid-State Electrolyte and Li-Metal Anode. <i>ACS Applied Materials & Interfaces</i> , 2021 , 13, 56181-56190 ⁵	9.5	2
591	Comparative Study of Li-CO and Na-CO Batteries with Ru@CNT as a Cathode Catalyst. <i>ACS Applied Materials & Interfaces</i> , 2021 , 13, 480-490	9.5	14
590	High-Performance NaK ₂ Li[Li ₃ SiO ₄] ₄ :Eu Green Phosphor for Backlighting Light-Emitting Diodes. <i>Chemistry of Materials</i> , 2021 , 33, 1893-1899	9.6	14
589	Chemical and Mechanical Pressure-Induced Photoluminescence Tuning via Structural Evolution and Hydrostatic Pressure. <i>Chemistry of Materials</i> , 2021 , 33, 3832-3840	9.6	4
588	Graphene oxide @ nickel phosphate nanocomposites for photocatalytic hydrogen production. <i>Chemical Engineering Journal Advances</i> , 2021 , 6, 100105	3.6	1
587	An Advanced Magnetic Resonance Imaging and Ultrasonic Theranostics Nanocomposite Platform: Crossing the Blood-Brain Barrier and Improving the Suppression of Glioblastoma Using Iron-Platinum Nanoparticles in Nanobubbles. <i>ACS Applied Materials & Interfaces</i> , 2021 , 13, 26759-26769	9.5	10
586	In Situ/Operando Methods of Characterizing All-Solid-State Li-Ion Batteries: Understanding Li-Ion Transport during Cycle. <i>Journal of Physical Chemistry C</i> , 2021 , 125, 16921-16937	3.8	5

585	Na ₂ O ₂ battery with NASICON-structured solid-state electrolyte. <i>Nano Energy</i> , 2021 , 85, 105972	17.1	9
584	Enticing applications of near-infrared phosphors: Review and future perspectives. <i>Journal of the Chinese Chemical Society</i> , 2021 , 68, 206-215	1.5	10
583	Single-Crystal Red Phosphors and Their Core-Shell Structure for Improved Water-Resistance for Laser Diodes Applications. <i>Angewandte Chemie - International Edition</i> , 2021 , 60, 3940-3945	16.4	12
582	Single-Crystal Red Phosphors and Their Core-Shell Structure for Improved Water-Resistance for Laser Diodes Applications. <i>Angewandte Chemie</i> , 2021 , 133, 3986-3991	3.6	2
581	Hidden Structural Evolution and Bond Valence Control in Near-Infrared Phosphors for Light-Emitting Diodes. <i>ACS Energy Letters</i> , 2021 , 6, 109-114	20.1	39
580	Capturing carbon dioxide in Na ₂ O ₂ batteries: A route for green energy. <i>Journal of the Chinese Chemical Society</i> , 2021 , 68, 421-428	1.5	4
579	Comprehensive view on recent developments in hydrogen evolution using MoS ₂ on a Si photocathode: from electronic to electrochemical aspects. <i>Journal of Materials Chemistry A</i> , 2021 , 9, 3767-3785	13	5
578	Long-Term Near-Infrared Signal Tracking of the Therapeutic Changes of Glioblastoma Cells in Brain Tissue with Ultrasound-Guided Persistent Luminescent Nanocomposites. <i>ACS Applied Materials & Interfaces</i> , 2021 , 13, 6099-6108	9.5	4
577	Surface-Protected High-Efficiency Nanophosphors via Space-Limited Ship-in-a-Bottle Synthesis for Broadband Near-Infrared Mini-Light-Emitting Diodes. <i>ACS Energy Letters</i> , 2021 , 6, 659-664	20.1	12
576	Catalytically Active Site Identification of Molybdenum Disulfide as Gas Cathode in a Nonaqueous Li-CO Battery. <i>ACS Applied Materials & Interfaces</i> , 2021 , 13, 6156-6167	9.5	6
575	Nitrate reduction to ammonium: from CuO defect engineering to waste NO _x -to-NH ₃ economic feasibility. <i>Energy and Environmental Science</i> , 2021 , 14, 3588-3598	35.4	36
574	Dual-emission Eu-doped Ca ₂ Sr _x PN ₃ nitridophosphate phosphors prepared by hot isostatic press. <i>Journal of Materials Chemistry C</i> , 2021 , 9, 8158-8162	7.1	
573	Interfacial chemistry in anode-free batteries: challenges and strategies. <i>Journal of Materials Chemistry A</i> , 2021 , 9, 7396-7406	13	13
572	Near-Infrared Nanophosphor Embedded in Mesoporous Silica Nanoparticle with High Light-Harvesting Efficiency for Dual Photosystem Enhancement. <i>Angewandte Chemie</i> , 2021 , 133, 7031-7035	2.6	1
571	Near-Infrared Nanophosphor Embedded in Mesoporous Silica Nanoparticle with High Light-Harvesting Efficiency for Dual Photosystem Enhancement. <i>Angewandte Chemie - International Edition</i> , 2021 , 60, 6955-6959	16.4	13
570	Designing Undercoordinated Ni-N and Fe-N on Holey Graphene for Electrochemical CO Conversion to Syngas. <i>ACS Nano</i> , 2021 ,	16.7	15
569	Formation and Near-Infrared Emission of CsPbI ₃ Nanoparticles Embedded in CsPbI ₃ Crystals. <i>ACS Applied Materials & Interfaces</i> , 2021 , 13, 34742-34751	9.5	1
568	Effective Ru/CNT Cathode for Rechargeable Solid-State Li-CO Batteries. <i>ACS Applied Materials & Interfaces</i> , 2021 , 13, 44266-44273	9.5	0

567	Reconstruction of Mn ⁴⁺ -free shell achieving highly stable red-emitting fluoride phosphors for light-emitting diodes. <i>Chemical Engineering Journal</i> , 2021 , 426, 131350	14.7	7
566	Microfluidic synthesis of CsPbBr ₃ /Cs ₄ PbBr ₆ nanocrystals for inkjet printing of mini-LEDs. <i>Chemical Engineering Journal</i> , 2021 , 426, 130849	14.7	7
565	Synergetic effect-triggered performance promotion of Sr ₃ BaxP ₅ N ₁₀ Cl:Eu ²⁺ phosphors. <i>Journal of Materials Chemistry C</i> , 2021 , 9, 12063-12067	7.1	1
564	A selective drug delivery system based on phospholipid-type nanobubbles for lung cancer therapy. <i>Nanomedicine</i> , 2020 , 15, 2689-2705	5.6	0
563	ZnSe:Te/ZnSeS/ZnS nanocrystals: an access to cadmium-free pure-blue quantum-dot light-emitting diodes. <i>Nanoscale</i> , 2020 , 12, 11556-11561	7.7	12
562	Plasmonic hot electrons for sensing, photodetection, and solar energy applications: A perspective. <i>Journal of Chemical Physics</i> , 2020 , 152, 220901	3.9	65
561	Ultra-broadband near-infrared emission CuInS/ZnS quantum dots with high power efficiency and stability for the theranostic applications of mini light-emitting diodes. <i>Chemical Communications</i> , 2020 , 56, 8285-8288	5.8	11
560	Improvement of lithium anode deterioration for ameliorating cyclabilities of non-aqueous Li-CO batteries. <i>Nanoscale</i> , 2020 , 12, 8385-8396	7.7	13
559	Spinel Zinc Cobalt Oxide (ZnCoO) Porous Nanorods as a Cathode Material for Highly Durable Li-CO Batteries. <i>ACS Applied Materials & Interfaces</i> , 2020 , 12, 17353-17363	9.5	18
558	Next-Generation Cancer-Specific Hybrid Theranostic Nanomaterials: MAGE-A3 NIR Persistent Luminescence Nanoparticles Conjugated to Afatinib for In Situ Suppression of Lung Adenocarcinoma Growth and Metastasis. <i>Advanced Science</i> , 2020 , 7, 1903741	13.6	18
557	Curtailing the Overpotential of Li-CO Batteries with Shape-Controlled Cu O as Cathode: Effect of Illuminating the Cathode. <i>ChemSusChem</i> , 2020 , 13, 2719-2725	8.3	12
556	Penetrating Biological Tissue Using Light-Emitting Diodes with a Highly Efficient Near-Infrared ScBO ₃ :Cr ³⁺ Phosphor. <i>Chemistry of Materials</i> , 2020 , 32, 2166-2171	9.6	60
555	Strategies for Designing Antithermal-Quenching Red Phosphors. <i>Advanced Science</i> , 2020 , 7, 1903060	13.6	54
554	Harnessing the interplay of Fe/Ni atom pairs embedded in nitrogen-doped carbon for bifunctional oxygen electrocatalysis. <i>Nano Energy</i> , 2020 , 71, 104597	17.1	108
553	Improvement in quantum yield by suppression of trions in room temperature synthesized CsPbBr perovskite quantum dots for backlight displays. <i>Nanoscale</i> , 2020 , 12, 3820-3826	7.7	21
552	Correlated N/O anion orders in melilite phosphors. <i>Journal of Solid State Chemistry</i> , 2020 , 284, 121198	3.3	1
551	Thermally Stable and Deep Red Luminescence of SrBa[MgAlN]:Eu (= 0-1) Phosphors for Solid State and Agricultural Lighting Applications. <i>ACS Applied Materials & Interfaces</i> , 2020 , 12, 23165-23171	9.5	28
550	Photo-/electro-luminescence enhancement of CsPbX ₃ (X = Cl, Br, or I) perovskite quantum dots via thiocyanate surface modification. <i>Journal of Materials Chemistry C</i> , 2020 , 8, 1065-1071	7.1	14

549	Cuboid-Size-Controlled Color-Tunable Eu-Doped Alkali Lithosilicate Phosphors. <i>Chemistry of Materials</i> , 2020 , 32, 1748-1759	9.6	32
548	Magnetically Guided Theranostics: Optimizing Magnetic Resonance Imaging with Sandwich-Like Kaolinite-Based Iron/Platinum Nanoparticles for Magnetic Fluid Hyperthermia and Chemotherapy. <i>Chemistry of Materials</i> , 2020 , 32, 697-708	9.6	13
547	Study on the surface modification of spinel LiNi _{0.45} Cr _{0.1} Mn _{1.45} O ₄ . <i>Journal of Alloys and Compounds</i> , 2020 , 821, 153418	5.7	
546	Monitoring the phase evolution in LiCoO ₂ electrodes during battery cycles using in-situ neutron diffraction technique. <i>Journal of the Chinese Chemical Society</i> , 2020 , 67, 344-352	1.5	6
545	[INVITED] Near-infrared phosphors and their full potential: A review on practical applications and future perspectives. <i>Journal of Luminescence</i> , 2020 , 219, 116944	3.8	51
544	Chromium(III)-Doped Fluoride Phosphors with Broadband Infrared Emission for Light-Emitting Diodes. <i>Inorganic Chemistry</i> , 2020 , 59, 376-385	5.1	38
543	Theranostic nanobubble encapsulating a plasmon-enhanced upconversion hybrid nanosystem for cancer therapy. <i>Theranostics</i> , 2020 , 10, 782-796	12.1	25
542	Gelatin sponge functionalized with gold/silver clusters for antibacterial application. <i>Nanotechnology</i> , 2020 , 31, 134004	3.4	8
541	Recent Developments in Lead-Free Double Perovskites: Structure, Doping, and Applications. <i>Chemistry - an Asian Journal</i> , 2020 , 15, 242-252	4.5	35
540	Interface Between Solid-State Electrolytes and Li-Metal Anodes: Issues, Materials, and Processing Routes. <i>ACS Applied Materials & Interfaces</i> , 2020 , 12, 47181-47196	9.5	24
539	Perovskite Quantum Dots for Application in High Color Gamut Backlighting Display of Light-Emitting Diodes. <i>ACS Energy Letters</i> , 2020 , 5, 3374-3396	20.1	73
538	Multi-Site Cation Control of Ultra-Broadband Near-Infrared Phosphors for Application in Light-Emitting Diodes. <i>Inorganic Chemistry</i> , 2020 , 59, 15101-15110	5.1	22
537	Highly Luminescent CsPbBr ₃ @CsPbBr ₃ Nanocrystals and Their Application in Electroluminescent Emitters. <i>Journal of Physical Chemistry Letters</i> , 2020 , 11, 10196-10202	6.4	11
536	High-performance NaClO ₂ batteries with ZnCo ₂ O ₄ @CNT as the cathode catalyst. <i>Journal of Materials Chemistry A</i> , 2020 , 8, 23974-23982	13	9
535	Molybdenum Tungsten Disulfide with a Large Number of Sulfur Vacancies and Electronic Unoccupied States on Silicon Micropillars for Solar Hydrogen Evolution. <i>ACS Applied Materials & Interfaces</i> , 2020 , 12, 54671-54682	9.5	9
534	Ultra-high-efficiency near-infrared Ga ₂ O ₃ :Cr ³⁺ phosphor and controlling of phytochrome. <i>Journal of Materials Chemistry C</i> , 2020 , 8, 11013-11017	7.1	41
533	Transforming active sites in nickel-nitrogen-carbon catalysts for efficient electrochemical CO ₂ reduction to CO. <i>Nano Energy</i> , 2020 , 78, 105213	17.1	22
532	Broadband NaKLi[LiSiO] ₃ :Ce Alkali Lithosilicate Blue Phosphors. <i>Journal of Physical Chemistry Letters</i> , 2020 , 11, 6621-6625	6.4	9

531	In situ synthesis of high-efficiency CsPbBr ₃ /CsPb ₂ Br ₅ composite nanocrystals in aqueous solution of microemulsion. <i>Green Chemistry</i> , 2020 , 22, 5257-5261	10	9
530	Inserting Co and P into MoS ₂ photocathodes: enhancing hydrogen evolution reaction catalytic performance by activating edges and basal planes with sulfur vacancies. <i>Catalysis Science and Technology</i> , 2020 , 10, 6902-6909	5.5	4
529	Boosting Solar Hydrogen Production of Molybdenum Tungsten Sulfide-Modified Si Micropiramids by Introducing Phosphate. <i>ACS Applied Materials & Interfaces</i> , 2020 , 12, 41515-41526	9.5	5
528	Matchmaker of Marriage between a Li Metal Anode and NASICON-Structured Solid-State Electrolyte: Plastic Crystal Electrolyte and Three-Dimensional Host Structure. <i>ACS Applied Materials & Interfaces</i> , 2020 , 12, 44754-44761	9.5	12
527	Efficient Luminescence from CsPbBr Nanoparticles Embedded in CsPbBr. <i>Journal of Physical Chemistry Letters</i> , 2020 , 11, 7637-7642	6.4	15
526	Phosphorous-doped molybdenum disulfide anchored on silicon as an efficient catalyst for photoelectrochemical hydrogen generation. <i>Applied Catalysis B: Environmental</i> , 2020 , 263, 118259	21.8	28
525	Broadband near-infrared persistent luminescence of Ba[Mg ₂ Al ₂ N ₄] with Eu ²⁺ and Tm ³⁺ after red light charging. <i>Journal of Materials Chemistry C</i> , 2019 , 7, 1705-1712	7.1	22
524	Plasmonic Nanoparticles: Plasmon-Enhanced Electrocatalytic Properties of Rationally Designed Hybrid Nanostructures at a Catalytic Interface (Adv. Mater. Interfaces 2/2019). <i>Advanced Materials Interfaces</i> , 2019 , 6, 1970011	4.6	
523	An insight into the preferential substitution and structure repair in Eu ²⁺ -doped whitlockite-type phosphors based on the combined experimental and theoretical calculations. <i>Journal of Materials Chemistry C</i> , 2019 , 7, 8954-8961	7.1	13
522	Chemical Control of SrLi(Al _{1-x} Ga _x) ₃ N ₄ :Eu ²⁺ Red Phosphors at Extreme Conditions for Application in Light-Emitting Diodes. <i>Chemistry of Materials</i> , 2019 , 31, 4614-4618	9.6	27
521	Alcohol-Guided Growth of Two-Dimensional Narrow-Band Red-Emitting KTiF:Mn for White-Light-Emitting Diodes. <i>ACS Applied Materials & Interfaces</i> , 2019 , 11, 20143-20149	9.5	17
520	An efficient multi-doping strategy to enhance Li-ion conductivity in the garnet-type solid electrolyte Li ₇ La ₃ Zr ₂ O ₁₂ . <i>Journal of Materials Chemistry A</i> , 2019 , 7, 8589-8601	13	56
519	Microfluidic Synthesis of Semiconducting Colloidal Quantum Dots and Their Applications. <i>ACS Applied Nano Materials</i> , 2019 , 2, 1773-1790	5.6	35
518	Structural Evolution and Effect of the Neighboring Cation on the Photoluminescence of Sr(LiAl) ₃ (SiMg) ₃ N ₄ :Eu Phosphors. <i>Angewandte Chemie - International Edition</i> , 2019 , 58, 7767-7772	16.4	45
517	Structural Evolution and Effect of the Neighboring Cation on the Photoluminescence of Sr(LiAl ₃) _{1-x} (SiMg ₃) _x N ₄ :Eu ²⁺ Phosphors. <i>Angewandte Chemie</i> , 2019 , 131, 7849-7854	3.6	3
516	(INVITED) Recent progress on broadband near-infrared phosphors-converted light emitting diodes for future miniature spectrometers. <i>Optical Materials: X</i> , 2019 , 1, 100011	1.7	8
515	Development of upconversion nanoparticle-conjugated indium phosphide quantum dot for matrix metalloproteinase-2 cancer transformation sensing. <i>Nanomedicine</i> , 2019 , 14, 1791-1804	5.6	7
514	Graphitic carbon nitride-based nanocomposites and their biological applications: a review. <i>Nanoscale</i> , 2019 , 11, 14993-15003	7.7	44

513	Ultra-Broadband Phosphors Converted Near-Infrared Light Emitting Diode with Efficient Radiant Power for Spectroscopy Applications. <i>ACS Photonics</i> , 2019 , 6, 3215-3224	6.3	36
512	Tuning the Coordination Environment in Single-Atom Catalysts to Achieve Highly Efficient Oxygen Reduction Reactions. <i>Journal of the American Chemical Society</i> , 2019 , 141, 20118-20126	16.4	352
511	Broadband Cr, Sn-Doped Oxide Nanophosphors for Infrared Mini Light-Emitting Diodes. <i>Angewandte Chemie - International Edition</i> , 2019 , 58, 2069-2072	16.4	60
510	Quantum dots for light conversion, therapeutic and energy storage applications. <i>Journal of Solid State Chemistry</i> , 2019 , 270, 71-84	3.3	10
509	Plasmon-Enhanced Electrocatalytic Properties of Rationally Designed Hybrid Nanostructures at a Catalytic Interface. <i>Advanced Materials Interfaces</i> , 2019 , 6, 1801144	4.6	17
508	Pressure-controlled chemical vapor deposition of graphene as catalyst for solar hydrogen evolution reaction. <i>Catalysis Today</i> , 2019 , 335, 395-401	5.3	4
507	Super-Hydrophobic Cesium Lead Halide Perovskite Quantum Dot-Polymer Composites with High Stability and Luminescent Efficiency for Wide Color Gamut White Light-Emitting Diodes. <i>Chemistry of Materials</i> , 2019 , 31, 1042-1047	9.6	141
506	Hydrogen-Containing Na ₃ HTi _{1-x} MnxF ₈ Narrow-Band Phosphor for Light-Emitting Diodes. <i>ACS Energy Letters</i> , 2019 , 4, 527-533	20.1	12
505	Nano-lipospheres as acoustically active ultrasound contrast agents: evolving tumor imaging and therapy technique. <i>Nanotechnology</i> , 2019 , 30, 182001	3.4	10
504	Recent advances in quantum dot-based light-emitting devices: Challenges and possible solutions. <i>Materials Today</i> , 2019 , 24, 69-93	21.8	127
503	Near-Infrared-Activated Fluorescence Resonance Energy Transfer-Based Nanocomposite to Sense MMP2-Overexpressing Oral Cancer Cells. <i>ACS Omega</i> , 2018 , 3, 1627-1634	3.9	6
502	Optimizing the Lithium Phosphorus Oxynitride Protective Layer Thickness on Low-Grade Composite Si-Based Anodes for Lithium-Ion Batteries. <i>ChemistrySelect</i> , 2018 , 3, 729-735	1.8	6
501	Synergistic Improvement in Charge Overpotential of LiO ₂ Batteries by Oxidized Carbon Nanotubes and Cobalt Nitride Composites. <i>Journal of Physical Chemistry C</i> , 2018 , 122, 13416-13423	3.8	8
500	Nanobubble-embedded inorganic 808 nm excited upconversion nanocomposites for tumor multiple imaging and treatment. <i>Chemical Science</i> , 2018 , 9, 3141-3151	9.4	43
499	Control of Luminescence by Tuning of Crystal Symmetry and Local Structure in Mn ²⁺ -Activated Narrow Band Fluoride Phosphors. <i>Angewandte Chemie - International Edition</i> , 2018 , 57, 1797-1801	16.4	70
498	Cobalt Diselenide Nanorods Grafted on Graphitic Carbon Nitride: A Synergistic Catalyst for Oxygen Reactions in Rechargeable LiO ₂ Batteries. <i>ChemElectroChem</i> , 2018 , 5, 5-5	4.3	1
497	Control of Luminescence by Tuning of Crystal Symmetry and Local Structure in Mn ⁴⁺ -Activated Narrow Band Fluoride Phosphors. <i>Angewandte Chemie</i> , 2018 , 130, 1815-1819	3.6	6
496	Single 808 nm Laser Treatment Comprising Photothermal and Photodynamic Therapies by Using Gold Nanorods Hybrid Upconversion Particles. <i>Journal of Physical Chemistry C</i> , 2018 , 122, 2402-2412	3.8	51

495	Highly Efficient Photoelectrochemical Hydrogen Generation Reaction Using Tungsten Phosphosulfide Nanosheets. <i>ACS Applied Materials & Interfaces</i> , 2018 , 10, 17280-17286	9.5	16
494	Thermal stabilization and energy transfer in narrow-band red-emitting Sr[(Mg ₂ Al ₂) _{1-x} (Li ₂ Si ₂) _y N ₄]:Eu ²⁺ phosphors. <i>Journal of Materials Chemistry C</i> , 2018 , 6, 5975-5983	7.1	5
493	Thermal quenching of Ce ³⁺ luminescence in the cuspidine-type oxide nitride compounds Y ₄ Si ₂ N _{7-2x} Al _x O _{7+x} N _{2x} . <i>Journal of Luminescence</i> , 2018 , 193, 125-132	3.8	3
492	Critical Review Narrow-Band Emission of Nitride Phosphors for Light-Emitting Diodes: Perspectives and Opportunities. <i>ECS Journal of Solid State Science and Technology</i> , 2018 , 7, R3111-R3133 ²		43
491	Cobalt Diselenide Nanorods Grafted on Graphitic Carbon Nitride: A Synergistic Catalyst for Oxygen Reactions in Rechargeable Li ₂ O ₂ Batteries. <i>ChemElectroChem</i> , 2018 , 5, 29-35	4.3	13
490	Pressure-controlled synthesis of high-performance SrLiAl ₃ N ₄ :Eu ²⁺ narrow-band red phosphors. <i>Journal of Materials Chemistry C</i> , 2018 , 6, 10174-10178	7.1	18
489	Impact of Lanthanide Nanomaterials on Photonic Devices and Smart Applications. <i>Small</i> , 2018 , 14, e1801882	11.8	87
488	In Operando Transmission X-ray Microscopy Illuminated by Synchrotron Radiation for Li-Ion Batteries. <i>ACS Energy Letters</i> , 2018 , 3, 1911-1928	20.1	10
487	Ultrafast Self-Crystallization of High-External-Quantum-Efficient Fluoride Phosphors for Warm White Light-Emitting Diodes. <i>ACS Applied Materials & Interfaces</i> , 2018 , 10, 17508-17511	9.5	34
486	Integrated Surface Modification to Enhance the Luminescence Properties of KTiF ₆ :Mn Phosphor and Its Application in White-Light-Emitting Diodes. <i>ACS Applied Materials & Interfaces</i> , 2018 , 10, 29233-29237	9.5	49
485	Perovskite Quantum Dots and Their Application in Light-Emitting Diodes. <i>Small</i> , 2018 , 14, 1702433	11	172
484	Broadband Cr ³⁺ , Sn ⁴⁺ -Doped Oxide Nanophosphors for Infrared Mini Light-Emitting Diodes. <i>Angewandte Chemie</i> , 2018 , 131, 2091	3.6	3
483	Single platinum atoms immobilized on an MXene as an efficient catalyst for the hydrogen evolution reaction. <i>Nature Catalysis</i> , 2018 , 1, 985-992	36.5	739
482	Biogenic Reduction of Graphene Oxide: An Efficient Superparamagnetic Material for Photocatalytic Hydrogen Production. <i>ACS Applied Energy Materials</i> , 2018 , 1, 5907-5918	6.1	12
481	Ameliorating Interfacial Ionic Transportation in All-Solid-State Li-Ion Batteries with Interlayer Modifications. <i>ACS Energy Letters</i> , 2018 , 3, 2775-2795	20.1	45
480	Vertically-aligned graphene nanowalls grown via plasma-enhanced chemical vapor deposition as a binder-free cathode in Li-O batteries. <i>Nanotechnology</i> , 2018 , 29, 505401	3.4	7
479	Unraveling the effect of salt chemistry on long-durability high-phosphorus-concentration anode for potassium ion batteries. <i>Nano Energy</i> , 2018 , 53, 967-974	17.1	132
478	Super Broadband Near-Infrared Phosphors with High Radiant Flux as Future Light Sources for Spectroscopy Applications. <i>ACS Energy Letters</i> , 2018 , 3, 2679-2684	20.1	147

477	Amorphous Phosphorus-Doped Cobalt Sulfide Modified on Silicon Pyramids for Efficient Solar Water Reduction. <i>ACS Applied Materials & Interfaces</i> , 2018 , 10, 37142-37149	9.5	21
476	Continuous Synthesis of Highly Stable CsPbBr Perovskite Microcrystals by a Microfluidic System and Their Application in White-Light-Emitting Diodes. <i>Inorganic Chemistry</i> , 2018 , 57, 13071-13074	5.1	35
475	Control of Narrow-Band Emission in Phosphor Materials for Application in Light-Emitting Diodes. <i>ACS Energy Letters</i> , 2018 , 3, 2573-2586	20.1	76
474	In-Situ Transmission X-Ray Microscopy Probed by Synchrotron Radiation for Li-Ion Batteries. <i>Frontiers in Energy Research</i> , 2018 , 6,	3.8	2
473	All-Solid-State Li-Ion Battery Using Li _{1.5} Al _{0.5} Ge _{1.5} (PO ₄) ₃ As Electrolyte Without Polymer Interfacial Adhesion. <i>Journal of Physical Chemistry C</i> , 2018 , 122, 14383-14389	3.8	38
472	P-121: Successive and Scalable Synthesis of Highly Stable Cs ₄ PbBr ₆ Perovskite Microcrystal by Microfluidic System and Their Application in Backlight Display. <i>Digest of Technical Papers SID International Symposium</i> , 2018 , 49, 1664-1666	0.5	1
471	CdSe/ZnS QD@CNT nanocomposite photocathode for improvement on charge overpotential in photoelectrochemical Li-O ₂ batteries. <i>Chemical Engineering Journal</i> , 2018 , 349, 235-240	14.7	22
470	Tunable Nonthermal Distribution of Hot Electrons in a Semiconductor Injected from a Plasmonic Gold Nanostructure. <i>ACS Nano</i> , 2018 , 12, 7117-7126	16.7	47
469	Disentangling Red Emission and Compensatory Defects in Sr[LiAl ₃ N ₄]:Ce ³⁺ Phosphor. <i>Chemistry of Materials</i> , 2018 , 30, 4493-4497	9.6	18
468	High Color Rendering Index of Rb ₂ GeF ₆ :Mn ⁴⁺ for Light-Emitting Diodes. <i>Chemistry of Materials</i> , 2017 , 29, 935-939	9.6	148
467	Effects of Defects on Photocatalytic Activity of Hydrogen-Treated Titanium Oxide Nanobelts. <i>ACS Catalysis</i> , 2017 , 7, 1742-1748	13.1	129
466	Cadmium-Free InP/ZnSeS/ZnS Heterostructure-Based Quantum Dot Light-Emitting Diodes with a ZnMgO Electron Transport Layer and a Brightness of Over 10 000 cd m. <i>Small</i> , 2017 , 13, 1603962	11	105
465	A heteroelectrode structure for solar water splitting: integrated cobalt ditelluride across a TiO ₂ -passivated silicon microwire array. <i>Catalysis Science and Technology</i> , 2017 , 7, 1488-1496	5.5	21
464	Phosphors for White LEDs 2017 , 181-222		1
463	Minimizing the Heat Effect of Photodynamic Therapy Based on Inorganic Nanocomposites Mediated by 808 nm Near-Infrared Light. <i>Small</i> , 2017 , 13, 1700038	11	70
462	Nanosized-Fe ₃ PtN supported on nitrogen-doped carbon as electro-catalyst for oxygen reduction reaction. <i>International Journal of Hydrogen Energy</i> , 2017 , 42, 15761-15769	6.7	1
461	Aluminate Red Phosphor in Light-Emitting Diodes: Theoretical Calculations, Charge Varieties, and High-Pressure Luminescence Analysis. <i>ACS Applied Materials & Interfaces</i> , 2017 , 9, 23995-24004	9.5	34
460	Capacity Enhancement of the Quenched Li-Ni-Mn-Co Oxide High-voltage Li-ion Battery Positive Electrode. <i>Electrochimica Acta</i> , 2017 , 236, 10-17	6.7	10

- 459 Silicon microwire arrays decorated with amorphous heterometal-doped molybdenum sulfide for water photoelectrolysis. *Nano Energy*, **2017**, 32, 422-432 17.1 52
- 458 Advanced sensing, imaging, and therapy nanoplatfoms based on Nd-doped nanoparticle composites exhibiting upconversion induced by 808 nm near-infrared light. *Nanoscale*, **2017**, 9, 18153-18168 7.7 29
- 457 Recent Advancements in Li-Ion Conductors for All-Solid-State Li-Ion Batteries. *ACS Energy Letters*, **2017**, 2, 2734-2751 20.1 168
- 456 High-Performance CsPb_{1-x}Sn_xBr₃ Perovskite Quantum Dots for Light-Emitting Diodes. *Angewandte Chemie*, **2017**, 129, 13838-13842 3.6 29
- 455 High-Performance CsPb Sn Br Perovskite Quantum Dots for Light-Emitting Diodes. *Angewandte Chemie - International Edition*, **2017**, 56, 13650-13654 16.4 107
- 454 Controlling of Structural Ordering and Rigidity of β -SiAlON:Eu through Chemical Cosubstitution to Approach Narrow-Band-Emission for Light-Emitting Diodes Application. *Chemistry of Materials*, **2017**, 29, 6781-6792 9.6 39
- 453 Enhanced Photoluminescence Emission and Thermal Stability from Introduced Cation Disorder in Phosphors. *Journal of the American Chemical Society*, **2017**, 139, 11766-11770 16.4 134
- 452 Silicon Anode Design for Lithium-Ion Batteries: Progress and Perspectives. *Journal of Physical Chemistry C*, **2017**, 121, 27775-27787 3.8 97
- 451 Temperature effect on the emission spectra of narrow band Mn phosphors for application in LEDs. *Physical Chemistry Chemical Physics*, **2017**, 19, 32505-32513 3.6 24
- 450 Voltammetric Enhancement of Li-Ion Conduction in Al-Doped Li₇La₃Zr₂O₁₂ Solid Electrolyte. *Journal of Physical Chemistry C*, **2017**, 121, 15565-15573 3.8 47
- 449 Characteristics and Properties of A(I,II)M(IV)F₆ Fluoride Phosphors **2017**, 371-398
- 448 Introduction to the Basic Properties of Luminescent Materials **2017**, 1-29 1
- 447 Inorganic red perovskite quantum dot integrated blue chip: a promising candidate for high color-rendering in w-LEDs. *RSC Advances*, **2016**, 6, 79410-79414 3.7 21
- 446 CoSe Embedded in CN: An Efficient Photocathode for Photoelectrochemical Water Splitting. *ACS Applied Materials & Interfaces*, **2016**, 8, 26690-26696 9.5 35
- 445 Improvement of the Water Resistance of a Narrow-Band Red-Emitting SrLiAl₃N₄:Eu(2+) Phosphor Synthesized under High Isostatic Pressure through Coating with an Organosilica Layer. *Angewandte Chemie - International Edition*, **2016**, 55, 9652-6 16.4 44
- 444 Improvement of the Water Resistance of a Narrow-Band Red-Emitting SrLiAl₃N₄:Eu²⁺ Phosphor Synthesized under High Isostatic Pressure through Coating with an Organosilica Layer. *Angewandte Chemie*, **2016**, 128, 9804-9808 3.6 12
- 443 Facile Atmospheric Pressure Synthesis of High Thermal Stability and Narrow-Band Red-Emitting SrLiAl₃N₄:Eu(2+) Phosphor for High Color Rendering Index White Light-Emitting Diodes. *ACS Applied Materials & Interfaces*, **2016**, 8, 19612-7 9.5 96
- 442 Frontispiece: Mesoporous Silica Particles Integrated with All-Inorganic CsPbBr₃ Perovskite Quantum-Dot Nanocomposites (MP-PQDs) with High Stability and Wide Color Gamut Used for Backlight Display. *Angewandte Chemie - International Edition*, **2016**, 55, 16.4 1

441	Synergistic-Effect-Controlled CoTe ₂ /Carbon Nanotube Hybrid Material for Efficient Water Oxidation. <i>Journal of Physical Chemistry C</i> , 2016 , 120, 28093-28099	3.8	29
440	Plasmon-Enhanced Photodynamic Cancer Therapy by Upconversion Nanoparticles Conjugated with Au Nanorods. <i>ACS Applied Materials & Interfaces</i> , 2016 , 8, 32108-32119	9.5	69
439	The substitution of the platinum counter electrode in a plasmonic photoelectrochemical system with near-infrared absorption for solar water splitting. <i>RSC Advances</i> , 2016 , 6, 103160-103168	3.7	5
438	Structural phase transitions and photoluminescence properties of oxonitridosilicate phosphors under high hydrostatic pressure. <i>Scientific Reports</i> , 2016 , 6, 34010	4.9	9
437	Narrow-band red-emitting Mn ⁴⁺ -doped hexafluoride phosphors: synthesis, optoelectronic properties, and applications in white light-emitting diodes. <i>Journal of Materials Chemistry C</i> , 2016 , 4, 10759-10775	7.1	117
436	Robust and Stable Narrow-Band Green Emitter: An Option for Advanced Wide-Color-Gamut Backlight Display. <i>Chemistry of Materials</i> , 2016 , 28, 8493-8497	9.6	130
435	Enhance Color Rendering Index via Full Spectrum Employing the Important Key of Cyan Phosphor. <i>ACS Applied Materials & Interfaces</i> , 2016 , 8, 30677-30682	9.5	62
434	Syntheses and properties of several metastable and stable hydrides derived from intermetallic compounds under high hydrogen pressure. <i>Applied Surface Science</i> , 2016 , 388, 723-730	6.7	3
433	The Origin of Capacity Fade in the Li ₂ MnO ₃ /LiMO ₂ (M = Li, Ni, Co, Mn) Microsphere Positive Electrode: An Operando Neutron Diffraction and Transmission X-ray Microscopy Study. <i>Journal of the American Chemical Society</i> , 2016 , 138, 8824-33	16.4	80
432	MMP2-sensing up-conversion nanoparticle for fluorescence biosensing in head and neck cancer cells. <i>Biosensors and Bioelectronics</i> , 2016 , 80, 131-139	11.8	33
431	Critical Red Components for Next-Generation White LEDs. <i>Journal of Physical Chemistry Letters</i> , 2016 , 7, 495-503	6.4	334
430	Formation, crystal growth and colour appearance of Mimetic Tianmu glaze. <i>Ceramics International</i> , 2016 , 42, 7506-7513	5.1	5
429	Wide Range pH-Tolerable Silicon@Pyrite Cobalt Dichalcogenide Microwire Array Photoelectrodes for Solar Hydrogen Evolution. <i>ACS Applied Materials & Interfaces</i> , 2016 , 8, 5400-7	9.5	22
428	Phosphors for White LEDs 2016 , 1-42		
427	Mesoporous Silica Particles Integrated with All-Inorganic CsPbBr ₃ Perovskite Quantum-Dot Nanocomposites (MP-PQDs) with High Stability and Wide Color Gamut Used for Backlight Display. <i>Angewandte Chemie - International Edition</i> , 2016 , 55, 7924-9	16.4	561
426	Mesoporous Silica Particles Integrated with All-Inorganic CsPbBr ₃ Perovskite Quantum-Dot Nanocomposites (MP-PQDs) with High Stability and Wide Color Gamut Used for Backlight Display. <i>Angewandte Chemie</i> , 2016 , 128, 8056-8061	3.6	64
425	Ca Li Al Si N:Eu solid solutions as broadband, color-tunable and thermally robust red phosphors for superior color rendition white light-emitting diodes. <i>Light: Science and Applications</i> , 2016 , 5, e16155	16.7	160
424	Evaluation of the intracellular uptake and cytotoxicity effect of TiO nanostructures for various human oral and lung cells under dark conditions. <i>Toxicology Research</i> , 2016 , 5, 303-311	2.6	12

423	Narrow Red Emission Band Fluoride Phosphor KNaSiF ₆ :Mn(4+) for Warm White Light-Emitting Diodes. <i>ACS Applied Materials & Interfaces</i> , 2016 , 8, 11194-203	9.5	192
422	UV/VUV switch-driven color-reversal effect for Tb-activated phosphors. <i>Light: Science and Applications</i> , 2016 , 5, e16066	16.7	51
421	Near-Infrared Light-Mediated Photodynamic Therapy Nanoplatform by the Electrostatic Assembly of Upconversion Nanoparticles with Graphitic Carbon Nitride Quantum Dots. <i>Inorganic Chemistry</i> , 2016 , 55, 10267-10277	5.1	57
420	Green Light-Excitable Ce-Doped Nitridomagnesoaluminate Sr[Mg ₂ Al ₂ N ₄] Phosphor for White Light-Emitting Diodes. <i>Chemistry of Materials</i> , 2016 , 28, 6822-6825	9.6	95
419	A rare earth-free GaZnON phosphor prepared by combustion for white light-emitting diodes. <i>Journal of Materials Chemistry C</i> , 2015 , 3, 1473-1479	7.1	10
418	Evaluations of the Chemical Stability and Cytotoxicity of CuInS ₂ and CuInS ₂ /ZnS Core/Shell Quantum Dots. <i>Journal of Physical Chemistry C</i> , 2015 , 119, 2852-2860	3.8	64
417	Pressure dependence of the Sr ₂ Si ₅ N ₈ :Eu ²⁺ luminescence. <i>Journal of Luminescence</i> , 2015 , 159, 183-187	3.8	6
416	Structural Ordering and Charge Variation Induced by Cation Substitution in (Sr,Ca)AlSiN ₃ :Eu Phosphor. <i>Journal of the American Chemical Society</i> , 2015 , 137, 8936-9	16.4	151
415	Preparation of a novel red Rb ₂ SiF ₆ :Mn ⁴⁺ phosphor with high thermal stability through a simple one-step approach. <i>Journal of Materials Chemistry C</i> , 2015 , 3, 7277-7280	7.1	86
414	Heterostructure of Si and CoSe ₂ Promising Photocathode Based on a Non-noble Metal Catalyst for Photoelectrochemical Hydrogen Evolution. <i>Angewandte Chemie - International Edition</i> , 2015 , 54, 6211-6	16.4	114
413	Single-phased white-light-emitting Ca ₁₀ (PO ₄) ₆ :Ce ³⁺ ,Eu ³⁺ phosphors based on energy transfer. <i>Dalton Transactions</i> , 2015 , 44, 11399-407	4.3	67
412	Photoluminescent Evolution Induced by Structural Transformation Through Thermal Treating in the Red Narrow-Band Phosphor KTeF ₆ :Mn ²⁺ . <i>ACS Applied Materials & Interfaces</i> , 2015 , 7, 10656-9	9.5	119
411	Heterostructure of Si and CoSe ₂ : A Promising Photocathode Based on a Non-noble Metal Catalyst for Photoelectrochemical Hydrogen Evolution. <i>Angewandte Chemie</i> , 2015 , 127, 6309-6314	3.6	8
410	The CoTe ₂ nanostructure: an efficient and robust catalyst for hydrogen evolution. <i>Chemical Communications</i> , 2015 , 51, 17012-5	5.8	40
409	An integrated cobalt disulfide (CoS ₂) co-catalyst passivation layer on silicon microwires for photoelectrochemical hydrogen evolution. <i>Journal of Materials Chemistry A</i> , 2015 , 3, 23466-23476	13	56
408	Plasmon-induced hyperthermia: hybrid upconversion NaYF ₄ :Yb/Er and gold nanomaterials for oral cancer photothermal therapy. <i>Journal of Materials Chemistry B</i> , 2015 , 3, 8293-8302	7.3	55
407	Structure, Luminescence, and Application of a Robust Carbide Nitride Blue Phosphor (Al _{1-x} Si _x C _x N _{1-x} :Eu ²⁺) for Near UV-LED Driven Solid State Lighting. <i>Chemistry of Materials</i> , 2015 , 27, 8457-8466	9.6	69
406	Ag-Si artificial microflowers for plasmon-enhanced solar water splitting. <i>Chemical Communications</i> , 2015 , 51, 549-52	5.8	30

405	Pressure effect on the zero-phonon line emission of Mn(4+) in K ₂ SiF ₆ . <i>Journal of Chemical Physics</i> , 2015 , 143, 134704	3.9	25
404	Waterproof Alkyl Phosphate Coated Fluoride Phosphors for Optoelectronic Materials. <i>Angewandte Chemie</i> , 2015 , 127, 11012-11016	3.6	27
403	Formation of Sr ₂ Si ₅ N ₈ :Eu ²⁺ and Its Transformation to SrSi ₆ N ₈ :Eu ²⁺ Controlled by Temperature and Gas Pressure. <i>Journal of the American Ceramic Society</i> , 2015 , 98, 2662-2669	3.8	4
402	Waterproof Alkyl Phosphate Coated Fluoride Phosphors for Optoelectronic Materials. <i>Angewandte Chemie - International Edition</i> , 2015 , 54, 10862-6	16.4	137
401	High specific capacity retention of graphene/silicon nanosized sandwich structure fabricated by continuous electron beam evaporation as anode for lithium-ion batteries. <i>Electrochimica Acta</i> , 2015 , 165, 166-172	6.7	31
400	Ternary Spinel MCo ₂ O ₄ (M = Mn, Fe, Ni, and Zn) Porous Nanorods as Bifunctional Cathode Materials for Lithium-O ₂ Batteries. <i>ACS Applied Materials & Interfaces</i> , 2015 , 7, 12038-46	9.5	146
399	A low-temperature co-precipitation approach to synthesize fluoride phosphors K ₂ MF ₆ :Mn ⁴⁺ (M = Ge, Si) for white LED applications. <i>Journal of Materials Chemistry C</i> , 2015 , 3, 1655-1660	7.1	158
398	Efficient energy storage capabilities promoted by hierarchical MnCo ₂ O ₄ nanowire-based architectures. <i>RSC Advances</i> , 2014 , 4, 17230	3.7	46
397	Chemical Pressure Control for Photoluminescence of MSiAl ₂ O ₃ N ₂ :Ce ³⁺ /Eu ²⁺ (M = Sr, Ba) Oxynitride Phosphors. <i>Chemistry of Materials</i> , 2014 , 26, 2075-2085	9.6	87
396	Photoluminescence Tuning via Cation Substitution in Oxonitridosilicate Phosphors: DFT Calculations, Different Site Occupations, and Luminescence Mechanisms. <i>Chemistry of Materials</i> , 2014 , 26, 2991-3001	9.6	183
395	Equation of state for Eu-doped SrSi ₆ N ₈ . <i>Journal of Chemical Physics</i> , 2014 , 141, 014705	3.9	8
394	Synthesis of Na ₂ SiF ₆ :Mn ⁴⁺ red phosphors for white LED applications by co-precipitation. <i>Journal of Materials Chemistry C</i> , 2014 , 2, 10268-10272	7.1	166
393	Domination of second-sphere shrinkage effect to improve photoluminescence of red nitride phosphors. <i>Inorganic Chemistry</i> , 2014 , 53, 12822-31	5.1	22
392	Spectroscopic properties and energy level location of Eu ²⁺ in Sr ₂ Si ₅ N ₈ phosphor. <i>Optical Materials</i> , 2014 , 37, 734-739	3.3	11
391	Emission-tunable CuInS ₂ /ZnS quantum dots: structure, optical properties, and application in white light-emitting diodes with high color rendering index. <i>ACS Applied Materials & Interfaces</i> , 2014 , 6, 15379-87	9.5	193
390	Crystal and local structure refinement in Ca ₂ Al ₃ O ₆ F explored by X-ray diffraction and Raman spectroscopy. <i>Physical Chemistry Chemical Physics</i> , 2014 , 16, 5952-7	3.6	37
389	Highly efficient non-rare-earth red emitting phosphor for warm white light-emitting diodes. <i>Nature Communications</i> , 2014 , 5, 4312	17.4	898
388	All-in-one light-tunable borated phosphors with chemical and luminescence dynamical control resolution. <i>ACS Applied Materials & Interfaces</i> , 2014 , 6, 9160-72	9.5	27

- 387 Thermal effects in (oxy)nitride phosphors. *Journal of Solid State Lighting*, **2014**, 1, 17
- 386 Using binary resistors to achieve multilevel resistive switching in multilayer NiO/Pt nanowire arrays. *NPG Asia Materials*, **2014**, 6, e85-e85 10.3 31
- 385 Quantum-Dot-Sensitized Nitrogen-Doped ZnO for Efficient Photoelectrochemical Water Splitting. *European Journal of Inorganic Chemistry*, **2014**, 2014, 773-779 2.3 28
- 384 High-performance lithium-ion battery and symmetric supercapacitors based on FeCo α -nanoflakes electrodes. *ACS Applied Materials & Interfaces*, **2014**, 6, 22701-8 9.5 189
- 383 Advances in Carbon-Incorporated Non-Noble Transition Metal Catalysts for Oxygen Reduction Reaction in Polymer Electrolyte Fuel Cells. *Journal of the Chinese Chemical Society*, **2014**, 61, 93-100 1.5 13
- 382 Enhancement of UV absorption and near-infrared emission of Er³⁺ in Li₂SrSiO₄:Ce³⁺, Er³⁺ for Ge solar spectral convertor. *Optical Materials*, **2014**, 36, 1871-1873 3.3 5
- 381 Plasmon-enhanced near-infrared-active materials in photoelectrochemical water splitting. *Chemical Communications*, **2013**, 49, 7917-9 5.8 55
- 380 Influence of pyrolysis temperature on oxygen reduction reaction activity of carbon-incorporating iron nitride/nitrogen-doped graphene nanosheets catalyst. *International Journal of Hydrogen Energy*, **2013**, 38, 3956-3962 6.7 27
- 379 Chitosan-Modified Stable Colloidal Gold Nanostars for the Photothermolysis of Cancer Cells. *Journal of Physical Chemistry C*, **2013**, 117, 2396-2410 3.8 33
- 378 Facile dental resin composites with tunable fluorescence by tailoring Cd-free quantum dots. *RSC Advances*, **2013**, 3, 16639 3.7 3
- 377 Neighboring-cation substitution tuning of photoluminescence by remote-controlled activator in phosphor lattice. *Journal of the American Chemical Society*, **2013**, 135, 12504-7 16.4 172
- 376 Melilite-type blue chromophores based on Mn³⁺ in a trigonal-bipyramidal coordination induced by interstitial oxygen. *Journal of Materials Chemistry C*, **2013**, 1, 5843 7.1 19
- 375 Flower-like ZnCo₂O₄ nanowires: toward a high-performance anode material for Li-ion batteries. *RSC Advances*, **2013**, 3, 20143 3.7 77
- 374 Hydrogen Generation: Plasmonic ZnO/Ag Embedded Structures as Collecting Layers for Photogenerating Electrons in Solar Hydrogen Generation Photoelectrodes (Small 17/2013). *Small*, **2013**, 9, 2830-2830 11
- 373 Mesoporous ZnCo₂O₄ nanoflakes with bifunctional electrocatalytic activities toward efficiencies of rechargeable lithium-oxygen batteries in aprotic media. *Nanoscale*, **2013**, 5, 12115-9 7.7 91
- 372 Single-phased white-light-emitting KCaGd(PO₄)₂:Eu²⁺, Tb³⁺, Mn²⁺ phosphors for LED applications. *RSC Advances*, **2013**, 3, 9023 3.7 72
- 371 Electrochemical reduction of high-efficiency ozone generation through nitrogen-doped diamond-like carbon electrodes. *RSC Advances*, **2013**, 3, 5917 3.7 10
- 370 Spiral-type heteropolyhedral coordination network based on single-crystal LiSrPO₄: implications for luminescent materials. *Chemistry - A European Journal*, **2013**, 19, 15358-65 4.8 14

369	Targeting polymeric fluorescent nanodiamond-gold/silver multi-functional nanoparticles as a light-transforming hyperthermia reagent for cancer cells. <i>Nanoscale</i> , 2013 , 5, 3931-40	7.7	46
368	Nano-bio effects: interaction of nanomaterials with cells. <i>Nanoscale</i> , 2013 , 5, 3547-69	7.7	187
367	Rutile-type (Ti,Sn)O ₂ nanorods as efficient anode materials toward its lithium storage capabilities. <i>Nanoscale</i> , 2013 , 5, 2254-8	7.7	16
366	Plasmonic ZnO/Ag embedded structures as collecting layers for photogenerating electrons in solar hydrogen generation photoelectrodes. <i>Small</i> , 2013 , 9, 2926-36	11	72
365	Cd-ZnGeON solid solution: the effect of local electronic environment on the photocatalytic water cleavage ability. <i>Journal of Materials Chemistry A</i> , 2013 , 1, 7422	13	6
364	Plasmonic photocatalysis. <i>Reports on Progress in Physics</i> , 2013 , 76, 046401	14.4	942
363	Luminescence Spectra of β -SiAlON/Pr ³⁺ Under High Hydrostatic Pressure. <i>Journal of Physical Chemistry C</i> , 2013 , 117, 13181-13186	3.8	17
362	Near-infrared quantum cutting platform in thermally stable phosphate phosphors for solar cells. <i>Inorganic Chemistry</i> , 2013 , 52, 7352-7	5.1	39
361	New Pr ³⁺ site in β -SiAlON red phosphor. <i>Optical Materials</i> , 2013 , 35, 2001-2005	3.3	11
360	Highly efficient urchin-like bimetallic nanoparticles for photothermal cancer therapy. <i>SPIE Newsroom</i> , 2013 ,		4
359	NIR-assisted orchid virus therapy using urchin bimetallic nanomaterials in phalaenopsis. <i>Advances in Natural Sciences: Nanoscience and Nanotechnology</i> , 2013 , 4, 045006	1.6	3
358	Enhancing the Color Rendering Index for Phosphor-converted White LEDs Using Cadmium-Free CuInS ₂ /ZnS QDs. <i>Journal of the Chinese Chemical Society</i> , 2013 , 60, 801-806	1.5	7
357	ZnO nanorod optical disk photocatalytic reactor for photodegradation of methyl orange. <i>Optics Express</i> , 2013 , 21, 7240-9	3.3	32
356	Nanosegregation and neighbor-cation control of photoluminescence in carbidnitridosilicate phosphors. <i>Angewandte Chemie - International Edition</i> , 2013 , 52, 8102-6	16.4	38
355	Nanosegregation and Neighbor-Cation Control of Photoluminescence in Carbidnitridosilicate Phosphors. <i>Angewandte Chemie</i> , 2013 , 125, 8260-8264	3.6	10
354	Hydrides Formed in ZrCo ₂ Based Intermetallic Compounds Under High Hydrogen Pressure / Wodoroki Wytwarzane Pod Wysokimi Cisnieniami Wodoru Ze Związków Miedzymetalicznych Na Osnowie ZrCo ₂ . <i>Archives of Metallurgy and Materials</i> , 2013 , 58, 223-226		2
353	The triggering of apoptosis in macrophages by pristine graphene through the MAPK and TGF-beta signaling pathways. <i>Biomaterials</i> , 2012 , 33, 402-11	15.6	391
352	Improvement of emission efficiency and color rendering of high-power LED by controlling size of phosphor particles and utilization of different phosphors. <i>Microelectronics Reliability</i> , 2012 , 52, 900-904	1.2	33

351	Origin of thermal degradation of Sr(2-x)Si5N8:Eu(x) phosphors in air for light-emitting diodes. <i>Journal of the American Chemical Society</i> , 2012 , 134, 14108-17	16.4	254
350	Controlling The Activator Site To Tune Europium Valence in Oxyfluoride Phosphors. <i>Chemistry of Materials</i> , 2012 , 24, 2220-2227	9.6	146
349	Fast fabrication of a Ag nanostructure substrate using the femtosecond laser for broad-band and tunable plasmonic enhancement. <i>ACS Nano</i> , 2012 , 6, 5190-7	16.7	58
348	A study on the luminescence and energy transfer of single-phase and color-tunable KCaY(PO4)2:Eu2+,Mn2+ phosphor for application in white-light LEDs. <i>Inorganic Chemistry</i> , 2012 , 51, 9636-41	5.1	230
347	Tunable Blue-Green Color Emission and Energy Transfer of Ca2Al3O6F:Ce3+,Tb3+ Phosphors for Near-UV White LEDs. <i>Journal of Physical Chemistry C</i> , 2012 , 116, 15604-15609	3.8	410
346	Blue Emission by Interstitial Site Occupation of Ce3+ in AlN. <i>Chemistry of Materials</i> , 2012 , 24, 3486-3492	9.6	52
345	Zeolitic imidazolate framework [Zn2(IM)4[(DMF)] for UV-white light-emitting diodes. <i>Dalton Transactions</i> , 2012 , 41, 11885-8	4.3	11
344	Plasmon inducing effects for enhanced photoelectrochemical water splitting: X-ray absorption approach to electronic structures. <i>ACS Nano</i> , 2012 , 6, 7362-72	16.7	283
343	X-ray Absorption Spectroscopy Approaches to Electronic State and Coordination Type of Lithium Phosphorus Oxynitride Thin Films. <i>Journal of the Chinese Chemical Society</i> , 2012 , 59, 1270-1274	1.5	
342	Introduction to Energy Storage Sub-program of National Science and Technology Program-Energy in Taiwan. <i>Journal of the Chinese Chemical Society</i> , 2012 , 59, 1173-1180	1.5	
341	Electrochemical Engineering Fundamentals 2012 , 45-68		
340	Electrochemical Technologies for Energy Storage and Conversion 2012 , 1-43		4
339	Lithium Ion Rechargeable Batteries 2012 , 69-109		0
338	Lead-Acid Battery 2012 , 111-174		3
337	Nickel-Metal Hydride (Ni-MH) Rechargeable Batteries 2012 , 175-237		2
336	Liquid Redox Rechargeable Batteries 2012 , 279-316		2
335	Water Electrolysis for Hydrogen Generation 2012 , 383-423		2
334	Hydrogen Compression, Purification, and Storage 2012 , 425-462		

333	Solar Cell as an Energy Harvesting Device 2012 , 463-539		1
332	Photoelectrochemical Cells for Hydrogen Generation 2012 , 541-599		2
331	Polymer Electrolyte Membrane Fuel Cells 2012 , 601-670		7
330	Solid Oxide Fuel Cells 2012 , 671-700		4
329	Direct Methanol Fuel Cells 2012 , 701-727		5
328	Metal-Air Technology 2012 , 239-277		6
327	Electrochemical Supercapacitors 2012 , 317-382		10
326	Sulfonation of graphene nanosheet-supported platinum via a simple thermal-treatment toward its oxygen reduction activity in acid medium. <i>International Journal of Hydrogen Energy</i> , 2012 , 37, 14205-14210	6.7	19
325	A new green phosphor of SrAl ₂ O ₄ :Eu ²⁺ ,Ce ³⁺ ,Li ⁺ for alternating current driven light-emitting diodes. <i>Materials Research Bulletin</i> , 2012 , 47, 4071-4075	5.1	40
324	Ca ₂ Al ₃ O ₆ F:Eu ²⁺ : a green-emitting oxyfluoride phosphor for white light-emitting diodes. <i>Journal of Materials Chemistry</i> , 2012 , 22, 15183		243
323	Molten Carbonate Fuel Cells 2012 , 729-775		2
322	The effect of surface coating on energy migration-mediated upconversion. <i>Journal of the American Chemical Society</i> , 2012 , 134, 20849-57	16.4	344
321	Seedless, silver-induced synthesis of star-shaped gold/silver bimetallic nanoparticles as high efficiency photothermal therapy reagent. <i>Journal of Materials Chemistry</i> , 2012 , 22, 2244-2253		171
320	Luminescence and density functional theory (DFT) calculation of undoped nitridosilicate phosphors for light-emitting diodes. <i>Journal of Materials Chemistry</i> , 2012 , 22, 5828		16
319	The temperature-sensitive luminescence of (Y,Gd)VO ₄ :Bi ³⁺ ,Eu ³⁺ and its application for stealth anti-counterfeiting. <i>Physica Status Solidi - Rapid Research Letters</i> , 2012 , 6, 321-323	2.5	12
318	Cation-size-mismatch tuning of photoluminescence in oxynitride phosphors. <i>Journal of the American Chemical Society</i> , 2012 , 134, 8022-5	16.4	184
317	Nano-architecture and material designs for water splitting photoelectrodes. <i>Chemical Society Reviews</i> , 2012 , 41, 5654-71	58.5	429
316	Magnetically recyclable Fe@Co core-shell catalysts for dehydrogenation of sodium borohydride in fuel cells. <i>International Journal of Hydrogen Energy</i> , 2012 , 37, 3338-3343	6.7	31

- 315 Appropriate green phosphor of SrSi₂O₂N₂:Eu²⁺,Mn²⁺ for AC LEDs. *Optics Express*, **2012**, 20, 18031-43 3.3 38
- 314 Improvement of resistive switching in NiO-based nanowires by inserting Pt layers. *Applied Physics Letters*, **2012**, 101, 153106 3.4 23
- 313 Combinatorial chemistry approach to searching phosphors for white light-emitting diodes in (Gd-Y-Bi-Eu)VO₄ quaternary system. *Journal of Materials Chemistry*, **2011**, 21, 3677 73
- 312 Nitrogen-doped graphene nanosheet-supported non-precious iron nitride nanoparticles as an efficient electrocatalyst for oxygen reduction. *RSC Advances*, **2011**, 1, 1349 3.7 86
- 311 Photocatalytic CdSe QDs-decorated ZnO nanotubes: an effective photoelectrode for splitting water. *Chemical Communications*, **2011**, 47, 3493-5 5.8 81
- 310 Advances in Phosphors for Light-emitting Diodes. *Journal of Physical Chemistry Letters*, **2011**, 2, 1268-77 6.4 978
- 309 Highly Stable Red Oxynitride β -SiAlON:Pr³⁺ Phosphor for Light-Emitting Diodes. *Chemistry of Materials*, **2011**, 23, 3698-3705 9.6 155
- 308 Ni@NiO Core-Shell Structure-Modified Nitrogen-Doped InTaO₄ for Solar-Driven Highly Efficient CO₂ Reduction to Methanol. *Journal of Physical Chemistry C*, **2011**, 115, 10180-10186 3.8 149
- 307 Architecture of Metallic Nanostructures: Synthesis Strategy and Specific Applications. *Journal of Physical Chemistry C*, **2011**, 115, 3513-3527 3.8 145
- 306 Eu²⁺-activated silicon-oxynitride Ca₃Si₂O₄N₂: a green-emitting phosphor for white LEDs. *Optics Express*, **2011**, 19 Suppl 3, A331-9 3.3 110
- 305 Electrodeposition of nano-dimensioned FeSe. *Thin Solid Films*, **2011**, 519, 8397-8400 2.2 20
- 304 A novel CO-tolerant PtRu core-shell structured electrocatalyst with Ru rich in core and Pt rich in shell for hydrogen oxidation reaction and its implication in proton exchange membrane fuel cell. *Journal of Power Sources*, **2011**, 196, 9117-9123 8.9 38
- 303 Carbon incorporated FeN/C electrocatalyst for oxygen reduction enhancement in direct methanol fuel cells: X-ray absorption approach to local structures. *Electrochimica Acta*, **2011**, 56, 8734-8738 6.7 25
- 302 Diode-like I-V characteristics of a nonplanar polyaromatic compound: a spectroscopic study of isolated and stacked dibenzo[g,p]chrysene. *Chemistry - an Asian Journal*, **2011**, 6, 1181-7 4.5 7
- 301 Multi-Bandgap-Sensitized ZnO Nanorod Photoelectrode Arrays for Water Splitting: An X-ray Absorption Spectroscopy Approach for the Electronic Evolution under Solar Illumination. *Journal of Physical Chemistry C*, **2011**, 115, 21971-21980 3.8 61
- 300 A New Approach to Solar Hydrogen Production: a ZnO/ZnS Solid Solution Nanowire Array Photoanode. *Advanced Energy Materials*, **2011**, 1, 742-747 21.8 76
- 299 An intelligent approach to the discovery of luminescent materials using a combinatorial approach combined with Taguchi methodology. *Luminescence*, **2011**, 26, 229-38 2.5 17
- 298 (Ba,Sr)Y₂Si₂Al₂O₂N₅: Eu²⁺: a novel near-ultraviolet converting green phosphor for white light-emitting diodes. *Journal of Materials Chemistry*, **2011**, 21, 3740 96

297	Modulating cell-uptake behavior of Au-based nanomaterials via quantitative biomolecule modification. <i>Journal of Materials Chemistry</i> , 2011 , 21, 14821		7
296	An alternative cobalt oxide-supported platinum catalyst for efficient hydrolysis of sodium borohydride. <i>Journal of Materials Chemistry</i> , 2011 , 21, 11754		32
295	Mechanism of light emission and electronic properties of a Eu ³⁺ -doped Bi ₂ SrTa ₂ O ₉ system determined by coupled X-ray absorption and emission spectroscopy. <i>Journal of Materials Chemistry</i> , 2011 , 21, 17119		17
294	ZrNi ₅ -based hydrogenated phases formed under high hydrogen pressure conditions. <i>Applied Surface Science</i> , 2011 , 257, 8237-8240	6.7	5
293	Structural, electronic and magnetic properties of YFeMnH ₅ . <i>International Journal of Hydrogen Energy</i> , 2011 , 36, 1046-1052	6.7	3
292	Calorimetric properties of C14 and C15 YMn ₂ and YMn ₂ (H,D) ₆ . <i>International Journal of Hydrogen Energy</i> , 2011 , 36, 2285-2290	6.7	2
291	Functional electroless gold Ohmic contacts in light emitting diodes. <i>Applied Physics Letters</i> , 2011 , 99, 063511	3.4	4
290	Temperature Dependent Emission of Strontium-Barium Orthosilicate (Sr _{2-x} Bax)SiO ₄ :Eu ²⁺ Phosphors for High-Power White Light-Emitting Diodes. <i>Journal of the Electrochemical Society</i> , 2011 , 158, P118	3.9	45
289	Biocompatible transferrin-conjugated sodium hexametaphosphate-stabilized gold nanoparticles: synthesis, characterization, cytotoxicity and cellular uptake. <i>Nanotechnology</i> , 2011 , 22, 395706	3.4	27
288	Array of CdSe QD-Sensitized ZnO Nanorods Serves as Photoanode for Water Splitting. <i>Journal of the Electrochemical Society</i> , 2010 , 157, B1430	3.9	37
287	Improving Optical Properties of White LED Fabricated by a Blue LED Chip with Yellow/Red Phosphors. <i>Journal of the Electrochemical Society</i> , 2010 , 157, H900	3.9	75
286	Energy Transfer and Significant Improvement Moist Stability of BaMgAl ₁₀ O ₁₇ :Eu ²⁺ , Mn ²⁺ as a Phosphor for White Light-Emitting Diodes. <i>Journal of the Electrochemical Society</i> , 2010 , 157, J307	3.9	30
285	O-K and Co-L XANES Study on Oxygen Intercalation in Perovskite SrCoO _{3-x} . <i>Chemistry of Materials</i> , 2010 , 22, 70-76	9.6	88
284	Effects of additional Ce ³⁺ doping on the luminescence of Li ₂ SrSiO ₄ :Eu ²⁺ yellow phosphor. <i>Applied Physics Letters</i> , 2010 , 96, 061904	3.4	61
283	ZnB ₂ O ₄ :Bi ³⁺ , Eu ³⁺ : a highly efficient, red-emitting phosphor. <i>Optics Express</i> , 2010 , 18, 2946-51	3.3	80
282	Study of electrochemical properties of coating ZrO ₂ on LiCoO ₂ . <i>Journal of Alloys and Compounds</i> , 2010 , 496, 512-516	5.7	76
281	Versatile phosphate phosphors ABPO ₄ in white light-emitting diodes: collocated characteristic analysis and theoretical calculations. <i>Journal of the American Chemical Society</i> , 2010 , 132, 3020-8	16.4	301
280	Electronic structures, hole-doping, and superconductivity of the s = 1, 2, 3, and 4 members of the (Cu,Mo)-12s ₂ homologous series of superconductive copper oxides. <i>Journal of the American Chemical Society</i> , 2010 , 132, 838-41	16.4	16

279	Light Converting Inorganic Phosphors for White Light-Emitting Diodes. <i>Materials</i> , 2010 , 3, 2172-2195	3.5	402
278	Combinatorial approach to the development of a single mass YVO(4):Bi(3+),Eu(3+) phosphor with red and green dual colors for high color rendering white light-emitting diodes. <i>ACS Combinatorial Science</i> , 2010 , 12, 587-94		131
277	Strong orbital polarization in orthorhombic DyMnO3: A combined x-ray linear dichroism and ab initio electronic structure study. <i>Physical Review B</i> , 2010 , 81,	3.3	17
276	Improvement efficiency of a dye-sensitized solar cell using Eu3+ modified TiO2 nanoparticles as a secondary layer electrode. <i>Journal of Materials Chemistry</i> , 2010 , 20, 6505		34
275	Preparation and Characterization of Ni or Co/Cu Multilayer Nanowires. <i>Journal of the Chinese Chemical Society</i> , 2010 , 57, 888-891	1.5	4
274	Biocompatibility of Fe(3)O(4) nanoparticles evaluated by in vitro cytotoxicity assays using normal, glia and breast cancer cells. <i>Nanotechnology</i> , 2010 , 21, 75102	3.4	196
273	Structure, composition, morphology, photoluminescence and cathodoluminescence properties of ZnGeN2 and ZnGeN2:Mn2+ for field emission displays. <i>Acta Materialia</i> , 2010 , 58, 6728-6735	8.4	66
272	Quantum Dot Monolayer Sensitized ZnO Nanowire-Array Photoelectrodes: True Efficiency for Water Splitting. <i>Angewandte Chemie</i> , 2010 , 122, 6102-6105	3.6	93
271	Quantum dot monolayer sensitized ZnO nanowire-array photoelectrodes: true efficiency for water splitting. <i>Angewandte Chemie - International Edition</i> , 2010 , 49, 5966-9	16.4	233
270	Hydrides of Laves phases intermetallic compounds synthesized under high hydrogen pressure. <i>Solid State Ionics</i> , 2010 , 181, 306-310	3.3	20
269	Isovalent and aliovalent substitution effects on redox chemistry of Sr2MgMoO6SOFC-anode material. <i>Solid State Ionics</i> , 2010 , 181, 754-759	3.3	47
268	Effect of LiI Amount to Enhance the Electrochemical Performance of Carbon-Coated LiFePO[sub 4]. <i>Electrochemical and Solid-State Letters</i> , 2009 , 12, A111		8
267	Photoluminescent and Thermal Stable Properties of Tb[sup 3+]-Doped Ca-SiAlON under VUV Excitation. <i>Journal of the Electrochemical Society</i> , 2009 , 156, J189	3.9	19
266	Crystal structure and electronic and thermal properties of TbFeAsO0.85. <i>Applied Physics Letters</i> , 2009 , 94, 192507	3.4	8
265	Intense X-ray induced formation of silver nanoparticles stabilized by biocompatible polymers. <i>Applied Physics A: Materials Science and Processing</i> , 2009 , 97, 295-300	2.6	17
264	Particle Size Effect on the Packaging Performance of YAG:Ce Phosphors in White LEDs. <i>International Journal of Applied Ceramic Technology</i> , 2009 , 6, 465-469	2	55
263	Neutron polarization analysis on the multiferroic TbMn2O5. <i>Physica B: Condensed Matter</i> , 2009 , 404, 2517-2519	2.8	3
262	KBaPO4:Ln (Ln=Eu, Tb, Sm) phosphors for UV excitable white light-emitting diodes. <i>Journal of Luminescence</i> , 2009 , 129, 1682-1684	3.8	99

261	Comparative XANES study on the two electron-doped high-Tc superconductor systems, (Sr,La)CuO ₂ and (Nd,Ce) ₂ CuO ₄ . <i>Journal of Solid State Chemistry</i> , 2009 , 182, 1217-1221	3.3	3
260	An oleic acid-capped CdSe quantum-dot sensitized solar cell. <i>Applied Physics Letters</i> , 2009 , 94, 153115	3.4	119
259	Biosensing, Cytotoxicity, and Cellular Uptake Studies of Surface-Modified Gold Nanorods. <i>Journal of Physical Chemistry C</i> , 2009 , 113, 7574-7578	3.8	118
258	Formation of hydrides in (Ti(1-x)Zr(x))Co(2.00) (0 Inorganic Chemistry, 2009 , 48, 11655-9	5.1	3
257	Synthesis, electrochemical properties, and characterization of LiFePO ₄ /C composite by a two-source method. <i>Journal of Alloys and Compounds</i> , 2009 , 487, 58-63	5.7	28
256	Versatile phosphors BaY ₂ Si ₃ O ₁₀ :RE (RE = Ce ³⁺ , Tb ³⁺ , Eu ³⁺) for light-emitting diodes. <i>Optics Express</i> , 2009 , 17, 18103-9	3.3	69
255	Bonding anisotropy in multiferroic TbMnO ₃ probed by polarization dependent x-ray absorption spectroscopy. <i>Applied Physics Letters</i> , 2009 , 94, 044105	3.4	14
254	Pd ₁₀₀ Nanoparticles Investigated by X-ray Absorption Spectroscopy as Electrocatalysts for Oxygen Reduction. <i>Chemistry of Materials</i> , 2009 , 21, 4030-4036	9.6	27
253	Ferromagnetic CoPt ₃ nanowires: structural evolution from fcc to ordered L1(2). <i>Journal of the American Chemical Society</i> , 2009 , 131, 15794-801	16.4	34
252	Significant Improved Luminescence Intensity of Eu ^[sup 2+] -Doped Ca _[sub 3] SiO _[sub 4] Cl _[sub 2] Green Phosphor for White LEDs Synthesized Through Two-Stage Method. <i>Journal of the Electrochemical Society</i> , 2009 , 156, G29	3.9	63
251	A Versatile Route to the Controlled Synthesis of Gold Nanostructures. <i>Crystal Growth and Design</i> , 2009 , 9, 2079-2087	3.5	60
250	Synthesis, Crystal Structure, and Luminescence Properties of a Novel Green-Yellow Emitting Phosphor LiZn _{1-x} PO ₄ :Mnx for Light Emitting Diodes. <i>Chemistry of Materials</i> , 2008 , 20, 1215-1217	9.6	159
249	Full-Color and Thermally Stable K ₂ PO ₄ :Ln (Ln=Eu, Tb, Sm) Phosphors for White-Light-Emitting Diodes. <i>Journal of the Electrochemical Society</i> , 2008 , 155, J248	3.9	98
248	Optimizing the size and surface properties of polyethylene glycol (PEG)-gold nanoparticles by intense x-ray irradiation. <i>Journal Physics D: Applied Physics</i> , 2008 , 41, 195301	3	50
247	Quantitative XANES Spectroscopy Study on the Prototype Hole- and Electron-Doped High-Tc Superconductor Systems, (La,Sr) ₂ CuO ₄ and (Nd,Ce) ₂ CuO ₄ . <i>Chemistry of Materials</i> , 2008 , 20, 5414-5420	9.6	8
246	Structural transformation of LiVOPO ₄ to Li ₃ V ₂ (PO ₄) ₃ with enhanced capacity. <i>Journal of Physical Chemistry B</i> , 2008 , 112, 11250-7	3.4	27
245	Combinatorial search for green and blue phosphors of high thermal stabilities under UV excitation based on the K(Sr _{1-x-y})PO ₄ :Tb ³⁺ + xEu ²⁺ +y system. <i>ACS Combinatorial Science</i> , 2008 , 10, 847-50		21
244	Investigation on mechanism of catalysis by Pt-LiCoO ₂ for hydrolysis of sodium borohydride using X-ray absorption. <i>Journal of Physical Chemistry B</i> , 2008 , 112, 4870-5	3.4	22

243	Hollow Platinum Spheres with Nano-Channels: Synthesis and Enhanced Catalysis for Oxygen Reduction. <i>Journal of Physical Chemistry C</i> , 2008 , 112, 7522-7526	3.8	208
242	A Simplified Synthetic Experiment of YBa ₂ Cu ₃ O _{7-x} Superconductor for First-Year Chemistry Laboratory. <i>Journal of Chemical Education</i> , 2008 , 85, 825	2.4	2
241	Effect of Co ₂ P on electrochemical performance of Li(Mn _{0.35} Co _{0.2} Fe _{0.45})PO ₄ /C. <i>Journal of Physical Chemistry B</i> , 2008 , 112, 8017-23	3.4	18
240	Direct White Light Phosphor Based on Metallorganic Coordination Extended Networks for UV-Light-Emitting Diodes. <i>Journal of the Electrochemical Society</i> , 2008 , 155, P71	3.9	13
239	Vacuum Ultraviolet Excitable Mn ^[sup 2+] -Doped LiZnPO ₄ Phosphors for PDP Applications. <i>Journal of the Electrochemical Society</i> , 2008 , 155, J284	3.9	14
238	Effects of oxygen deficiency on the magnetic ordering of Mn in Tb _{0.9} Na _{0.1} MnO _{2.9} . <i>Journal of Physics Condensed Matter</i> , 2008 , 20, 104234	1.8	3
237	Near-ultraviolet excitable orange-yellow Sr ₃ (Al ₂ O ₅)Cl ₂ :Eu ²⁺ phosphor for potential application in light-emitting diodes. <i>Applied Physics Letters</i> , 2008 , 93, 131114	3.4	98
236	High pressure photoluminescence of Ce ³⁺ -doped (Y _{1.725} Tb _{0.575} Ce _{0.05} Gd _{0.65})Al ₅ O ₁₂ . <i>Optical Materials</i> , 2008 , 30, 722-724	3.3	6
235	Band overlap via chemical pressure control in double perovskite (Sr _{2-x} Cax)FeMoO ₆ (0 ≤ x ≤ 2.0) with TMR effect. <i>Current Applied Physics</i> , 2008 , 8, 110-113	2.6	11
234	Systematic Cu L _{2,3} -edge and O K-edge XANES spectroscopy study on the infinite-layer superconductor system, (Sr,La)CuO ₂ . <i>Solid State Communications</i> , 2008 , 147, 370-373	1.6	7
233	Investigation of the Growth Mechanism of Iron Oxide Nanoparticles via a Seed-Mediated Method and Its Cytotoxicity Studies. <i>Journal of Physical Chemistry C</i> , 2008 , 112, 15684-15690	3.8	38
232	Chemical size effect on the magnetic and electrical properties in the (Tb _{1-x})Eu(x)MnO ₃ (0 ≤ x ≤ 1). <i>Journal of Physical Chemistry B</i> , 2007 , 111, 2262-7	3.4	22
231	Controlling Length of Gold Nanowires with Large-Scale: X-ray Absorption Spectroscopy Approaches to the Growth Process. <i>Journal of Physical Chemistry C</i> , 2007 , 111, 18550-18557	3.8	40
230	Controlling Optical Properties of Aluminum Oxide Using Electrochemical Deposition. <i>Journal of the Electrochemical Society</i> , 2007 , 154, K11	3.9	35
229	Influence of oxygen defects on the crystal structure and magnetic properties of the (Tb _{1-x} Nax)MnO _{3-y} (0 ≤ x ≤ 1, 0 ≤ y ≤ 3). <i>Inorganic Chemistry</i> , 2007 , 46, 4575-82	5.1	4
228	Charge compensation and oxidation in Na _x CoO ₂ and Li _x CoO ₂ studied by XANES. <i>Journal of Solid State Chemistry</i> , 2007 , 180, 1608-1615	3.3	11
227	Neutron diffraction study of multiferroic Tb _{0.85} Na _{0.15} MnO ₃ . <i>Journal of Magnetism and Magnetic Materials</i> , 2007 , 310, 1151-1153	2.8	1
226	The effect of terbium concentration on the luminescent properties of yttrium oxysulfide phosphor for FED application. <i>Journal of Luminescence</i> , 2007 , 122-123, 574-576	3.8	20

225	Chemical substitution effects of Tb ³⁺ in YAG:Ce phosphors and enhancement of their emission intensity using flux combination. <i>Journal of Luminescence</i> , 2007 , 122-123, 580-582	3.8	34
224	energy transfer in (,) doped with. <i>Radiation Measurements</i> , 2007 , 42, 755-758	1.5	14
223	Synthesis and characterization of long gold nanorods. <i>IEEJ Transactions on Electrical and Electronic Engineering</i> , 2007 , 2, 468-472	1	1
222	Magnetic ordering of Mn and Ru in (La _{0.52} Ba _{0.48}) (Mn _{0.51} Ru _{0.49})O ₃ . <i>Physica Status Solidi (B): Basic Research</i> , 2007 , 244, 2233-2241	1.3	3
221	Structural, electronic and magnetic properties of ErFeMn and ErFeMnH _{4.7} compounds. <i>New Journal of Physics</i> , 2007 , 9, 271-271	2.9	4
220	Enhanced luminescence of SrSi ₂ O ₂ N ₂ :Eu ²⁺ phosphors by codoping with Ce ³⁺ , Mn ²⁺ , and Dy ³⁺ ions. <i>Applied Physics Letters</i> , 2007 , 91, 061119	3.4	93
219	Large positive magnetoresistance effect below Curie temperature in In _{1.90} Mn _{0.1} SnO ₃ . <i>Journal of Applied Physics</i> , 2007 , 101, 09H121	2.5	2
218	Resonant x-ray emission spectroscopy of multiferroic TbMnO ₃ . <i>Applied Physics Letters</i> , 2007 , 91, 054108	3.4	12
217	Thermally stable luminescence of K ₂ SrPO ₄ :Eu ²⁺ phosphor for white light UV light-emitting diodes. <i>Applied Physics Letters</i> , 2007 , 90, 151108	3.4	293
216	Highly stable three-band white light from an InGaN-based blue light-emitting diode chip precoated with (oxy)nitride green/red phosphors. <i>Applied Physics Letters</i> , 2007 , 90, 123503	3.4	91
215	Luminescent Properties and Structure Investigation of Y ₃ Al ₅ O ₁₂ :Ce Phosphors with Si Addition. <i>Journal of the Electrochemical Society</i> , 2007 , 154, P16	3.9	20
214	In Situ and Ex Situ Monitoring of Oxygen Absorption in YBaCo ₄ O _{7+δ} . <i>Chemistry Letters</i> , 2007 , 36, 1368-1369		26
213	Plasmonic optical properties of a single gold nano-rod. <i>Optics Express</i> , 2007 , 15, 7132-9	3.3	54
212	Magnetocaloric effect and magnetic properties of Tb _{0.9} Sn _{0.1} MnO ₃ . <i>Journal of Applied Physics</i> , 2007 , 101, 103904	2.5	26
211	Synthesis and Characterization of Multi-Pod-Shaped Gold/Silver Nanostructures. <i>Journal of Physical Chemistry C</i> , 2007 , 111, 5909-5914	3.8	66
210	Combinatorial study of the optimization of Y ₂ O ₃ :Bi,Eu red phosphors. <i>ACS Combinatorial Science</i> , 2007 , 9, 343-6		61
209	Control of hole distribution through isovalent R-cation substitution in Cu ₂ Ba ₂ RCu ₂ O ₈ superconductors. <i>Applied Physics Letters</i> , 2007 , 90, 032511	3.4	
208	Synthesis and magnetic properties of multilayer Ni/Cu and NiFe/Cu nanowires 2006 , 67, 85-91		6

207	Generating isotropic superparamagnetic interconnectivity for the two-dimensional organization of nanostructured building blocks. <i>Angewandte Chemie - International Edition</i> , 2006 , 45, 2713-7	16.4	48
206	High-resolution XANES study of $\text{Eu}(\text{Ba}_{1-x}\text{R}_x)_2\text{Cu}_3\text{O}_{7+\delta}$ (R = Eu, Pr). <i>New Journal of Physics</i> , 2006 , 8, 215-215	9	2
205	Structural, thermal and magnetic properties of ErMn_2D_6 synthesized under high deuterium pressure. <i>Journal of Physics Condensed Matter</i> , 2006 , 18, 6409-6420	1.8	10
204	Formation of nanostructured cobalt wires with Chinese caterpillar type structure. <i>Journal of Vacuum Science & Technology B</i> , 2006 , 24, 1440		
203	Pb-for-Bi substitution for enhancing thermoelectric characteristics of $[(\text{Bi,Pb})_2\text{Ba}_2\text{O}_4]_{1-x}(\text{CoO})_x$. <i>Applied Physics Letters</i> , 2006 , 88, 232102	3.4	19
202	Magnetic instability and oxygen deficiency in Na-doped TbMnO_3 . <i>Physical Review B</i> , 2006 , 74,	3.3	24
201	Synthesis and Characterization of LiFePO_4 and $\text{Li}_{0.01}\text{Fe}_{0.99}\text{PO}_4$ Cathode Materials. <i>Journal of the Electrochemical Society</i> , 2006 , 153, A25	3.9	92
200	Chemical Control of Hole Distribution and Superconductivity in $(\text{Cu,Mo})\text{Sr}_2(\text{Ce,R})\text{Cu}_2\text{O}_{5+2s}$ (s = 2, 3; R = Y, La). <i>Chemistry of Materials</i> , 2006 , 18, 6352-6356	9.6	1
199	Fabrication of nanorattles with passive shell. <i>Journal of Physical Chemistry B</i> , 2006 , 110, 19162-7	3.4	34
198	energy transfer in Ce^{3+} -doped $\text{Y}_3\text{Tb}_x\text{Gd}_{0.65}\text{Al}_5\text{O}_{12}$. <i>Journal of Physics Condensed Matter</i> , 2006 , 18, 10531-10543	1.8	12
197	Characterisation of olivine-type $\text{LiMn}_x\text{Fe}_{1-x}\text{PO}_4$ cathode materials. <i>Journal of Alloys and Compounds</i> , 2006 , 425, 362-366	5.7	39
196	Morphology and surface plasma changes of Au-Pt bimetallic nanoparticles. <i>Journal of Nanoscience and Nanotechnology</i> , 2006 , 6, 1411-5	1.3	4
195	Controlling Length and Monitoring Growth of Gold Nanorods. <i>Journal of the Chinese Chemical Society</i> , 2006 , 53, 1343-1348	1.5	3
194	Synthesis of Ag nanospheres particles in ethylene glycol by electrochemical-assisted polyol process. <i>Chemical Physics Letters</i> , 2006 , 420, 304-308	2.5	65
193	Local structural characterization of Au/Pt bimetallic nanoparticles. <i>Chemical Physics Letters</i> , 2006 , 420, 484-488	2.5	24
192	Characterization of core-shell type and alloy Ag/Au bimetallic clusters by using extended X-ray absorption fine structure spectroscopy. <i>Chemical Physics Letters</i> , 2006 , 421, 118-123	2.5	84
191	Local structural characterization of gold nanowires using extended X-ray absorption fine structure spectroscopy. <i>Chemical Physics Letters</i> , 2006 , 428, 93-97	2.5	1
190	Crystalline and magnetic structures of $\text{Sr}_2\text{FeMoO}_6$ double perovskites. <i>Physica B: Condensed Matter</i> , 2006 , 385-386, 418-420	2.8	12

189	Magnetic order and spin fluctuations in Ni-rich $\text{Li}_{0.9}\text{Ni}_{1.1}\text{O}_2$. <i>Physica B: Condensed Matter</i> , 2006 , 385-386, 432-434	2.8	
188	Preparation and properties of bio-compatible magnetic Fe_3O_4 nanoparticles. <i>Journal of Magnetism and Magnetic Materials</i> , 2006 , 304, e415-e417	2.8	35
187	Transformation of Co nanodisks to Co caterpillars. <i>Journal of Magnetism and Magnetic Materials</i> , 2006 , 304, e19-e21	2.8	3
186	Hole states of $\text{X-Bi}_2\text{Sr}_2\text{CaCu}_2\text{O}_8$ [X=I, HgI ₂ , and (Py-CH ₃) ₂ HgI ₄] probed by O K-edge X-ray absorption spectroscopy. <i>Journal of Physics and Chemistry of Solids</i> , 2006 , 67, 223-226	3.9	
185	A study on LiFePO_4 and its doped derivatives as cathode materials for lithium-ion batteries. <i>Journal of Power Sources</i> , 2006 , 159, 282-286	8.9	64
184	Electron-doping through LaIII-for-SrII substitution in $(\text{Sr}_{1-x}\text{La}_x)_2\text{FeTaO}_6$: Effects on the valences and ordering of the B-site cations, Fe and Ta. <i>Journal of Solid State Chemistry</i> , 2006 , 179, 111-116	3.3	9
183	Hole doping into Co-12s2 copper oxides with s fluorite-structured layers between CuO_2 planes. <i>Journal of Solid State Chemistry</i> , 2006 , 179, 632-645	3.3	5
182	Diffusional mechanism of deintercalation in $\text{LiFe}_{1-x}\text{MnyPO}_4$ cathode material. <i>Solid State Ionics</i> , 2006 , 177, 2617-2624	3.3	91
181	Mössbauer study on LiFePO_4 cathode material for lithium ion batteries. <i>Hyperfine Interactions</i> , 2006 , 167, 767-772	0.8	14
180	A Novel Anode Material LiVMoO_6 for Rechargeable Lithium-Ion Batteries. <i>Electrochemical and Solid-State Letters</i> , 2005 , 8, A650		14
179	Investigation of the Luminescent Properties of Tb ³⁺ -Substituted YAG:Ce, Gd Phosphors. <i>Journal of the Electrochemical Society</i> , 2005 , 152, J41	3.9	69
178	Controlling the length and shape of gold nanorods. <i>Journal of Physical Chemistry B</i> , 2005 , 109, 19553-5	3.4	58
177	SYNTHESIS, STRUCTURAL AND MAGNETIC PROPERTIES OF DOUBLE PEROVSKITES Sr_2CrWO_6 . <i>International Journal of Modern Physics B</i> , 2005 , 19, 537-540	1.1	4
176	Neutron diffraction study, magnetic properties and thermal stability of YMn_2D_6 synthesized under high deuterium pressure. <i>Journal of Solid State Chemistry</i> , 2005 , 178, 356-362	3.3	29
175	Hole doping and superconductivity characteristics of the s=1, 2 and 3 members of the (Cu,Mo)-12s2 homologous series of layered copper oxides. <i>Journal of Solid State Chemistry</i> , 2005 , 178, 3464-3470	3.3	11
174	Effects of B-site transition metal on the properties of double perovskites Sr_2FeMO_6 (M=Mo, W): B? 4d5d system. <i>Solid State Communications</i> , 2005 , 133, 265-270	1.6	31
173	Electrochemical studies on mixtures of $\text{LiNi}_{0.8}\text{Co}_{0.17}\text{Al}_{0.03}\text{O}_2$ and LiCoO_2 cathode materials for lithium ion batteries. <i>Solid State Communications</i> , 2005 , 133, 687-690	1.6	7
172	Eu substitution and particle size control of Y_2O_3 for the excitation by UV light emitting diodes. <i>Solid State Communications</i> , 2005 , 136, 205-209	1.6	79

171	Development of wavelet de-noising technique for PET images. <i>Computerized Medical Imaging and Graphics</i> , 2005 , 29, 297-304	7.6	32
170	Anode catalysts for enhanced methanol oxidation: An in situ XANES study of PtRu/C and PtMo/C catalysts. <i>Chemical Physics Letters</i> , 2005 , 412, 444-448	2.5	21
169	Structure and physical properties of double perovskite compounds Sr ₂ FeMO ₆ (M = Mo, W). <i>Materials Chemistry and Physics</i> , 2005 , 93, 314-319	4.4	17
168	Co valence by K-edge X-ray absorption spectroscopy, magnetic properties, and structure of polycrystalline bulk Zn _{1-x} /Co _x O. <i>IEEE Transactions on Magnetics</i> , 2005 , 41, 2727-2729	2	1
167	Enhancement of ferromagnetic interactions in multiferric (Tb _{1-x} /Na _x)MnO ₃ system. <i>IEEE Transactions on Magnetics</i> , 2005 , 41, 2751-2753	2	4
166	Oxygen nonstoichiometry and valence of copper in the Cu-1222 superconductor. <i>Journal of Solid State Chemistry</i> , 2005 , 178, 1705-1711	3.3	3
165	Orbital ordering and valence states in (La _{1+x} Ca _{1-x})CoRuO ₆ double perovskites. <i>Physical Review B</i> , 2005 , 72,	3.3	7
164	Chemical control of high-T _c superconductivity of the triple-fluorite-layer copper oxide (Cu,Mo)Sr ₂ (Ce,R) ₃ Cu ₂ O ₁₁ +(R=Y,La,Tb). <i>Physical Review B</i> , 2005 , 72,	3.3	7
163	Soft-x-ray absorption spectroscopy of heterostructured high-T _c superconducting nanohybrids: XBi ₂ Sr ₂ CaCu ₂ O ₈ [X=I, HgI ₂ , and (PyNH ₃) ₂ HgI ₄]. <i>Physical Review B</i> , 2005 , 71,	3.3	5
162	Synthesis of Y ₂ O ₃ :Eu, Bi Red Phosphors by Homogeneous Coprecipitation and Their Photoluminescence Behaviors. <i>Journal of the Electrochemical Society</i> , 2005 , 152, J93	3.9	74
161	Formation mechanism and Coulomb blockade effect in self-assembled gold quantum dots. <i>Journal of Vacuum Science & Technology an Official Journal of the American Vacuum Society B, Microelectronics Processing and Phenomena</i> , 2004 , 22, 60		8
160	Synthesis and Characterization of Novel Au(core)-Au/Pt Alloy(shell) Nanostructure. <i>Materials Research Society Symposia Proceedings</i> , 2004 , 818, 299		1
159	Internal oxidation in Bi _{2.1-x} Pb _x Sr _{2-y} Ca _{1-z} Y _y +zCu ₂ O ₈ +d solid solutions. <i>Mendeleev Communications</i> , 2004 , 14, 181-182	1.9	
158	Electrochemical and in situ XANES studies of a LiNi _{0.8} Co _{0.17} Al _{0.03} O ₂ cathode material. <i>Solid State Communications</i> , 2004 , 132, 273-277	1.6	2
157	Investigation of Fe valence in LiFePO ₄ by Mössbauer and XANES spectroscopic techniques. <i>Solid State Communications</i> , 2004 , 132, 455-458	1.6	50
156	Iron valence in double-perovskite (Ba,Sr,Ca) ₂ FeMoO ₆ : isovalent substitution effect. <i>Journal of Solid State Chemistry</i> , 2004 , 177, 2655-2662	3.3	34
155	The novel YMn ₂ D ₆ deuteride synthesized under high pressure of gaseous deuterium. <i>Solid State Communications</i> , 2004 , 130, 815-820	1.6	27
154	Structural, electrical and magnetic characterization of the double perovskites Sr ₂ CrMO ₆ (M=Mo, W): B ²⁺ 4d ³ system. <i>Solid State Communications</i> , 2004 , 131, 531-535	1.6	22

153	Short range magnetic corrections in spinel $\text{Li}(\text{Mn}_{0.976}\text{Co}_{0.024})_2\text{O}_4$. <i>Journal of Magnetism and Magnetic Materials</i> , 2004 , 272-276, 833-834	2.8	
152	Fabrication and magnetic properties of nickel nanowires. <i>Journal of Magnetism and Magnetic Materials</i> , 2004 , 282, 28-31	2.8	36
151	Studies of microstructure and ruthenium valence in the ruthenocuprates $\text{Pb}_2\text{RuSr}_2\text{Cu}_2\text{O}_8\text{Cl}$ and $(\text{Ru}, \text{M})\text{Sr}_2\text{GdCu}_2\text{O}_8$ (M=Sn, Nb). <i>Journal of Solid State Chemistry</i> , 2004 , 177, 834-838	3.3	9
150	Hole concentration in the three-CuO ₂ -plane copper-oxide superconductor Cu-1223. <i>Journal of Solid State Chemistry</i> , 2004 , 177, 1037-1043	3.3	35
149	Effect of Sr-for-Ba isovalent substitution on the local structure, hole distribution and magnetic irreversibility of $\text{Cu}(\text{Ba},\text{Sr})_2\text{YbCu}_2\text{O}_{6.95(2)}$. <i>Journal of Solid State Chemistry</i> , 2004 , 177, 1925-1932	3.3	3
148	Synthesis and Characterization of Double Perovskites Sr_2FeMO_6 (M = Mo, W). <i>International Journal of Modern Physics B</i> , 2003 , 17, 3500-3502	1.1	1
147	Coulomb Blockade Effect in a Nano-Sized Gold Chain. <i>International Journal of Modern Physics B</i> , 2003 , 17, 3637-3639	1.1	2
146	Tuning Pb Content in High-T _c $\text{Bi}_2\text{Sr}_2\text{CaCu}_2\text{O}_y$ Superconductors Studied By X-ray Absorption Near-Edge Structure Spectroscopy. <i>Journal of Low Temperature Physics</i> , 2003 , 131, 613-618	1.3	
145	XANES Study on the Evolution Among Different Copper Species, CuI, CuII and CuIII, in $\text{CuBa}_2\text{YCu}_2\text{O}_{6+z}$ Upon Oxygen Loading. <i>Journal of Low Temperature Physics</i> , 2003 , 131, 1205-1210	1.3	3
144	Oxygen Content and Valence of Ru in $\text{RuSr}_2(\text{Gd}_{0.75}\text{Ce}_{0.25})_2\text{Cu}_2\text{O}_{10}$ (Ru-1222) Magnetosuperconductor. <i>Journal of Low Temperature Physics</i> , 2003 , 131, 1211-1216	1.3	17
143	XANES Study on the Evolution Among Different Copper Species, CuI, CuII and CuIII, in $\text{CuBa}_2\text{YCu}_2\text{O}_{6+z}$ Upon Oxygen Loading. <i>Journal of Low Temperature Physics</i> , 2003 , 131, 381-386	1.3	1
142	An investigation of smooth nano-sized copper seed layers on TiN and TaSiN by new non-toxic electroless plating. <i>Solid State Communications</i> , 2003 , 125, 445-448	1.6	8
141	XANES and wet-chemical analyses of the charge balance in $(\text{Hg},\text{Pb})(\text{Ba},\text{Sr})_2\text{Ca}_2\text{Cu}_3\text{O}_{8+z}$. <i>Physica C: Superconductivity and Its Applications</i> , 2003 , 392-396, 93-98	1.3	3
140	Charge transport mechanism in $\text{LiCo}_y\text{Mn}_{2-y}\text{O}_4$ cathode material. <i>Solid State Ionics</i> , 2003 , 157, 101-108	3.3	10
139	Oxygen non-stoichiometry in Ru-1212 and Ru-1222 magnetosuperconductors. <i>Physica C: Superconductivity and Its Applications</i> , 2003 , 392-396, 87-92	1.3	17
138	Chemical Tuning of Structure, Magnetization, and Conductivity in the Self-doped Double-Perovskite $(\text{Sr}_{2-x}\text{Ca}_x)\text{FeMoO}_6$ (0 ≤ x ≤ 2.0) System. <i>Chemistry of Materials</i> , 2003 , 15, 425-432	9.6	24
137	Layer-specific hole concentrations in $\text{Bi}_2\text{Sr}_2(\text{Y}_{1-x}\text{Ca}_x)\text{Cu}_2\text{O}_{8+x}$ as probed by XANES spectroscopy and coulometric redox analysis. <i>Physical Review B</i> , 2003 , 67,	3.3	30
136	Valence State of Iron in the $\text{Sr}_2\text{Fe}(\text{Mo},\text{W},\text{Ta})\text{O}_6$ Double-Perovskite System: an Fe K-edge and L _{2,3} -edge XANES Study. <i>Chemistry of Materials</i> , 2003 , 15, 4118-4121	9.6	29

135	Synthesis and Luminescent Properties of a New Yellowish-Orange Afterglow Phosphor Y ₂ O ₂ S:Ti,Mg. <i>Chemistry of Materials</i> , 2003 , 15, 3966-3968	9.6	118
134	Optical studies of lattice and charge excitations in La _{1.2} (Sr _{1.8-x} Cax)Mn ₂ O ₇ . <i>Journal of Applied Physics</i> , 2003 , 93, 6894-6896	2.5	1
133	Hole doping in Pb-free and Pb-substituted (Bi,Pb) ₂ Sr ₂ Ca ₂ Cu ₃ O _{10+x} superconductors. <i>Physical Review B</i> , 2003 , 68,	3.3	18
132	Synthesis and characterization of the colossal magnetoresistance manganite La _{1.2} (Sr _{1.4} Ca _{0.4})Mn ₂ O ₇ by citrate gel. <i>Materials Research Bulletin</i> , 2002 , 37, 235-246	5.1	11
131	Ce K-edge EXAFS study of nanocrystalline CeO ₂ . <i>Materials Research Bulletin</i> , 2002 , 37, 555-562	5.1	24
130	Chemical pressure control of Curie temperature in La _{0.6} (Ba _{0.4-x} Cax)MnO ₃ . <i>Materials Chemistry and Physics</i> , 2002 , 75, 26-31	4.4	7
129	Crystal structure and magnetic properties of the double perovskite (Sr _{2-x} Cax)FeMoO ₆ (0 ≤ x ≤ 1.0). <i>Journal of Magnetism and Magnetic Materials</i> , 2002 , 239, 164-166	2.8	4
128	XANES Study on the Generation and Distribution of Holes via Ca Substitution and O Doping in Cu(Ba _{0.8} Sr _{0.2}) ₂ (Yb _{1-x} Cax)Cu ₂ O _{6+z} . <i>Journal of Solid State Chemistry</i> , 2002 , 166, 229-236	3.3	11
127	'Maturization' of high-T _c precursor powders for use in superconducting tapes. <i>Physica C: Superconductivity and Its Applications</i> , 2002 , 372-376, 1167-1170	1.3	
126	Short-range magnetic correlations in spinel LiMn ₂ O ₄ . <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , 2002 , 95, 162-170	3.1	8
125	Ru valence in RuSr ₂ Gd _{2-x} CexCu ₂ O _{10+x} as measured by x-ray-absorption near-edge spectroscopy. <i>Physical Review B</i> , 2002 , 65,	3.3	41
124	Local Structure and First Cycle Redox Mechanism of Layered Li _{1.2} Cr _{0.4} Mn _{0.4} O ₂ Cathode Material. <i>Journal of the Electrochemical Society</i> , 2002 , 149, A431	3.9	155
123	Effect of Co doping in LiMn ₂ O ₄ . <i>Journal of Power Sources</i> , 2001 , 102, 21-28	8.9	39
122	Evidence for electron-doped (n-type) superconductivity in the infinite-layer (Sr _{0.9} La _{0.1})CuO ₂ compound by X-ray absorption near-edge spectroscopy. <i>Solid State Communications</i> , 2001 , 118, 367-370	1.6	12
121	Superlattice structures in solid solution of high-T _c YBa ₂ Cu ₃ O _{7-δ} and (Pb,Cu)Sr ₂ (Ca,Y)Cu ₂ O ₇ superconductors. <i>Journal of Physics and Chemistry of Solids</i> , 2001 , 62, 1847-1859	3.9	
120	Effect of Pb doping in high-T _c Bi ₂ Sr ₂ CaCu ₂ O _y superconductors studied by X-ray absorption near-edge structure spectroscopy. <i>Physica C: Superconductivity and Its Applications</i> , 2001 , 364-365, 567-570	1.3	6
119	Internal Chemical Pressure Effect and Magnetic Properties of La _{0.6} (Sr _{0.4-x} Bax)MnO ₃ . <i>Journal of Solid State Chemistry</i> , 2001 , 156, 117-121	3.3	8
118	Chemical control of colossal magnetoresistance in manganites. <i>Materials Chemistry and Physics</i> , 2001 , 72, 281-285	4.4	2

117	Phase stability study of La _{1.2} Ca _{1.8} Mn ₂ O ₇ . <i>Materials Research Bulletin</i> , 2001 , 36, 1139-1148	5.1	15
116	Crystal and electronic structures of inverse spinel-type LiNiVO ₄ . <i>Materials Research Bulletin</i> , 2001 , 36, 1479-1486	5.1	22
115	A comparison of the properties of Bi-2223 precursor powders synthesized by various methods. <i>Materials Research Bulletin</i> , 2001 , 36, 1653-1658	5.1	17
114	Chemical pressure controlled colossal magnetoresistance effects in La _{0.6} (Sr _{0.4} Ca _x)MnO ₃ . <i>Solid State Sciences</i> , 2001 , 3, 1063-1072		7
113	Determination of Ru valence from x-ray absorption near-edge structure in RuSr ₂ GdCu ₂ O ₈ -type superconductors. <i>Physical Review B</i> , 2001 , 63,	3.3	94
112	Absence of phase transformation at low temperature in Co-doped LiMn ₂ O ₄ samples. <i>Dalton Transactions RSC</i> , 2001 , 37-40		13
111	Studies into the phase transformation of Bi-2223 precursor powders using X-ray diffraction and SQUID susceptibility measurements. <i>IEEE Transactions on Applied Superconductivity</i> , 2001 , 11, 3182-3185 ^{1.8}		3
110	The Study of Nanocrystalline Cerium Oxide by X-Ray Absorption Spectroscopy. <i>Journal of Solid State Chemistry</i> , 2000 , 149, 408-413	3.3	99
109	Strain effect on the thermoelectric power of YBa ₂ Sr _x Cu ₃ O ₇ . <i>Physica C: Superconductivity and Its Applications</i> , 2000 , 336, 249-253	1.3	8
108	Substitution effects in Bi ₂ Sr ₂ (Ca _{1-x} Y _x)Cu ₂ O ₈ studied by X-ray absorption spectroscopy. <i>Physica C: Superconductivity and Its Applications</i> , 2000 , 341-348, 383-386	1.3	2
107	New advanced magnetic La _{1.2} (Sr _{1.8} Ca _x)Mn ₂ O ₇ compounds with colossal magnetoresistance. <i>Journal of Magnetism and Magnetic Materials</i> , 2000 , 209, 113-115	2.8	3
106	Superlattice structures between YBa ₂ Cu ₃ O ₇ and (Pb,Cu)Sr ₂ (Ca,Y)Cu ₂ O ₇ high-T _c cuprates. <i>Solid State Sciences</i> , 2000 , 2, 645-649		2
105	Electronic and Local Structural Properties of the Bi ₂ Sr ₂ (Ca _{1-x} Y _x)Cu ₂ O ₈ Family of Materials, Studied by X-ray Absorption Spectroscopy. <i>Chemistry of Materials</i> , 2000 , 12, 1115-1121	9.6	15
104	Magnetic structure and spin reorientation of the Mn ions in NdMnO ₃ . <i>Journal of Applied Physics</i> , 2000 , 87, 5822-5824	2.5	48
103	Dimensional and Chemical Control of Colossal Magnetoresistance in New Manganites. <i>Japanese Journal of Applied Physics</i> , 2000 , 39, 473	1.4	2
102	Cr doping in the La _{1.2} Sr _{1.8} Mn ₂ O ₇ system. <i>Journal of Physics Condensed Matter</i> , 1999 , 11, 5187-5194	1.8	22
101	XANES STUDY OF THE VALENCE OF Pb IN (Tl _{0.5} Pb _{0.5})Sr ₂ Ca _{1-x} Y _x Cu ₂ O ₇ . <i>International Journal of Modern Physics B</i> , 1999 , 13, 3693-3696	1.1	5
100	Hole states in fluorine-doped La ₂ CuO ₄ thin films probed by polarized x-ray-absorption spectroscopy. <i>Physical Review B</i> , 1999 , 60, 6888-6892	3.3	12

- 99 Magnetic order and spin reorientation in Nd_{0.45}Ca_{0.55}MnO₃. *Journal of Applied Physics*, **1999**, 85, 5588-5590 5
- 98 Superconductivity suppression of R(Ba_{1-x}R_x)₂Cu₃O_{7- δ} (R=Nd, Pr) probed by soft-x-ray absorption spectroscopy. *Physical Review B*, **1999**, 59, 3855-3861 3.3 10
- 97 Size effects in the NMR of SnO₂ powders. *Materials Research Bulletin*, **1999**, 34, 1513-1520 5.1 39
- 96 Enhancement of critical Pr ion concentration (x_{cr}) in (La_{1-x}Pr_x)Ba₂Cu₃O_z. *Journal of Applied Physics*, **1999**, 86, 6985-6992 2.5 8
- 95 Chemical size effect on the magnetic and electrical properties of colossal magnetoresistance La_{1.2}(Sr_{1.8-x}Ca_x)Mn₂O₇ materials. *Journal of the Chemical Society Dalton Transactions*, **1999**, 623-628 6
- 94 The chemical control of colossal magnetoresistance (CMR) in the new two-dimensional La_{1.2}(Sr_{1.8-x}Ca_x)Mn₂O₇ system. *Solid State Sciences*, **1999**, 1, 61-65 9
- 93 Structural, electrical and magnetic properties of two-dimensional La_{1.2}(Sr_{1.8-x}Ca_x)Mn₂O₇ manganites. *Journal of Applied Physics*, **1999**, 86, 2178-2184 2.5 26
- 92 Soft X-ray absorption study of (Nd_{1.05-x}Pr_x)Ba_{1.95}Cu₃O₇ using synchrotron radiation. *Chemical Physics Letters*, **1998**, 294, 209-216 2.5 4
- 91 The Study of Hole Distribution in High-T_c Tl- and Hg-based 1212 Type Cuprates via High-Resolution X-Ray Absorption Near Edge Structure. *Journal of Superconductivity and Novel Magnetism*, **1998**, 11, 53-57 2
- 90 Chemical Control of Underdoped and Overdoped States in Y(Ba_{2-y}Sr_y)Cu₃O_{6+ δ} . *Journal of Superconductivity and Novel Magnetism*, **1998**, 11, 563-567 2
- 89 X-ray absorption near edge structure studies of colossal magnetoresistance ferromagnet (La_{1.4}Sr_{1.6})Mn₂O₇. *Solid State Communications*, **1998**, 105, 605-608 1.6 12
- 88 Crystal and electronic structures of (Ba, Sr)TiO₃. *Materials Letters*, **1998**, 37, 285-289 3.3 16
- 87 Hole Distribution in Underdoped and Overdoped Y(Ba_{2-y}Sr_y)Cu₃O_{6+ δ} Compounds Studied by X-ray Absorption Spectroscopy. *Inorganic Chemistry*, **1998**, 37, 5527-5531 5.1 8
- 86 Pressure effects on the transport and magnetic properties of La_{1.4}Sr_{1.6}Mn₂O₇. *Physical Review B*, **1998**, 58, 12224-12229 3.3 25
- 85 The study of the hole distribution in high- 1212-type cuprates via x-ray absorption spectroscopy. *Superconductor Science and Technology*, **1998**, 11, 1028-1031 3.1 4
- 84 Structure and Magnetoresistance of Pr_{0.7}(Sr_{0.3-y}Ca_y) MnO₃. *International Journal of Modern Physics B*, **1998**, 12, 1763-1771 1.1 2
- 83 Tilted antiferromagnetic ordering of Mn in Nd_{0.62}Ca_{0.38}MnO₃. *Journal of Applied Physics*, **1998**, 83, 7345-7347 2.5 3
- 82 Cu K-Edge Study of (Tl_{0.5}Pb_{0.5})Sr₂Ca_{1-x}Y_xCu₂O₇. *International Journal of Modern Physics B*, **1998**, 12, 3296-3298 1.1 1

81	Pressure dependence of the superconducting critical temperature of the $Tl_{0.5}Pb_{0.5}Sr_2Ca_{1-x}YxCu_2O_7$ system. <i>Physical Review B</i> , 1997 , 55, 11832-11838	3-3	18
80	Origin of superconductivity suppression in $(Dy_{1-x}Pr_x)Ba_2Cu_3O_7$ studied by soft-x-ray absorption spectroscopy. <i>Physical Review B</i> , 1997 , 55, 14586-14591	3-3	14
79	Soft-x-ray absorption spectroscopy of $Nd_{1+x}Ba_{2-x}Cu_3O_{7-\delta}$ ($x=0-0.6$). <i>Physical Review B</i> , 1997 , 55, 3186-3191	3-3	15
78	Crystal Structures and Peculiar Magnetic Properties of α - and β - Al_2O_3 Powders. <i>Modern Physics Letters B</i> , 1997 , 11, 1169-1174	1.6	28
77	Enhancement of Zero Resistance Temperature above 90 K and Hole Distribution in $(Hg_{0.5}Pb_{0.5})Sr_2(Ca_{0.7}Y_{0.3})Cu_2O_{7-\delta}$ via Chemical Substitution of Ba into Sr Sites. <i>Inorganic Chemistry</i> , 1997 , 36, 1378-1382	5-1	2
76	Interaction between a cylindrical superconducting impurity and a vortex in a type-II superconductor. <i>Physica C: Superconductivity and Its Applications</i> , 1997 , 275, 135-140	1-3	2
75	The study of electronic structure in new Hg-based Sr-containing 1212-typed $(Hg_{0.5}Pb_{0.5})Sr_2(Ca_{1-x}Y_x)Cu_2O_7$ superconductors. <i>Physica C: Superconductivity and Its Applications</i> , 1997 , 282-287, 961-962	1-3	
74	Hole states in oxycarbonate high- T_c superconductor $(Tl_{0.8}Cr_{0.2})Sr_4Cu_2(CO_3)O_7$ probed by soft X-ray absorption spectroscopy. <i>Physica C: Superconductivity and Its Applications</i> , 1997 , 277, 145-151	1-3	
73	Hole distribution in the underdoped, optimally doped, and overdoped superconductors $(Tl_{0.5}Pb_{0.5})Sr_2(Ca_{1-x}Y_x)Cu_2O_7$. <i>Physica C: Superconductivity and Its Applications</i> , 1997 , 282-287, 981-982 ¹⁻³		
72	X-ray Absorption Studies in Spinel-Type $LiMn_2O_4$. <i>Journal of Solid State Chemistry</i> , 1997 , 128, 326-329	3-3	36
71	Charge transfer process in $Tl_2Ba_2Ca_2Cu_3O_{10}$ and $Tl_2Ba_2CaCu_2O_8$ thin films probed by polarized X-ray absorption spectroscopy. <i>Chemical Physics Letters</i> , 1997 , 276, 303-308	2-5	2
70	Comparison of irreversibility lines of silver-sheathed Bi-2223, Tl-1223 and Tl-1234 superconducting tapes. <i>Materials Chemistry and Physics</i> , 1996 , 43, 83-85	4-4	1
69	The growth of large-area superconducting $YBa_2Cu_3O_{7-x}$ thin films by pulsed laser ablation. <i>Materials Chemistry and Physics</i> , 1996 , 43, 66-69	4-4	2
68	Determination of Mn Valence from X-Ray Absorption Near Edge Structure and Study of Magnetic Behavior in Hole-Doped $(Nd_{1-x}Ca_x)MnO_3$ System. <i>Journal of Solid State Chemistry</i> , 1996 , 125, 112-115	3-3	29
67	High-resolution X-ray absorption near edge structure studies of monophasic $Tl_2Ba_2Ca_2Cu_3O_{10}$ (Tl-2223) superconductor. <i>Solid State Communications</i> , 1996 , 99, 493-498	1-6	18
66	Electronic structure in $(Hg_{0.5}Pb_{0.5})Sr_2(Ca_{1-x}Y_x)Cu_2O_7$ compounds studied by soft X-ray absorption spectroscopy. <i>Physica C: Superconductivity and Its Applications</i> , 1996 , 272, 180-186	1-3	2
65	Pressure dependence of the superconducting critical temperature of $Tl_2Ba_2Ca_2Cu_3O_{10+y}$ and $Tl_2Ba_2Ca_3Cu_4O_{12+y}$ up to 21 GPa. <i>Physical Review B</i> , 1996 , 54, 10175-10185	3-3	33
64	Hole distribution in $(Tl_{0.5}Pb_{0.5})Sr_2(Ca_{1-x}Y_x)Cu_2O_7$ studied by x-ray absorption spectroscopy. <i>Physical Review B</i> , 1996 , 54, 12587-12593	3-3	18

63	Further measurements on the $Tl_{0.5}Pb_{0.5}Sr_2(Ca_{1-y}Y)_2Cu_2O_7$ system Pb NMR and magnetic susceptibility. <i>Physica C: Superconductivity and Its Applications</i> , 1995 , 244, 207-213	1.3	5
62	Electron-spin-resonance studies of the hole-doping effect on $(Tl_{0.5}Pb_{0.5})Sr_2(Ca_{1-x}Y)_2Cu_2O_7$ high- T_c superconductors. <i>Physical Review B</i> , 1995 , 52, 12883-12889	3.3	3
61	Crystal Structure and Superconductivity of the Mo-Stabilized Sr-Based $YSr_2Cu_{2.7}Mo_{0.3}O_{7-\delta}$ Compound. <i>Journal of Solid State Chemistry</i> , 1994 , 112, 203-207	3.3	11
60	Crystal structure of the $(Pb, Hg)Sr_2(Ca, Y)Cu_2O_7$ -system superconductor. <i>Physica C: Superconductivity and Its Applications</i> , 1994 , 222, 13-18	1.3	25
59	^{63}Cu NMR shift and relaxation behavior in $Tl_2Ba_2Ca_2Cu_3O_{10}$ ($T_c=125K$). <i>Physica C: Superconductivity and Its Applications</i> , 1994 , 226, 106-112	1.3	19
58	Improvement of phase purity and accelerated formation of the Tl-1223 phase from the stoichiometric compositions $(Tl_{0.6}Pb_{0.2}Bi_{0.2})(Sr_{2-x}Ba_x)Ca_2Cu_3O_9$ ($x=0.2-0.3$). <i>Physica C: Superconductivity and Its Applications</i> , 1994 , 222, 278-282	1.3	29
57	A study of the orientation dependence of the ^{63}Cu nuclear magnetic resonance in the $(Tl_{0.5}Pb_{0.5})Sr_2(Ca_{1-y}Y)_2Cu_2O_7$ -system. <i>Physica C: Superconductivity and Its Applications</i> , 1994 , 220, 93-100	1.3	2
56	Flux dynamics and critical currents of high T_c tapes. <i>Physica C: Superconductivity and Its Applications</i> , 1994 , 235-240, 3417-3418	1.3	
55	Crystal structure and superconductivity in the Hg-containing Ba- and Sr-based cuprates. <i>Physica C: Superconductivity and Its Applications</i> , 1994 , 235-240, 897-898	1.3	1
54	Charge distribution in $(Tl, Pb)Sr_2Ca_2Cu_3O_9$ ($T_c=124K$): an ^{17}O NMR study. <i>Physica C: Superconductivity and Its Applications</i> , 1994 , 235-240, 1709-1710	1.3	3
53	Correlations between bond lengths, T_c , and O vibration frequencies: Raman-scattering and infrared-absorption study of the 1:2:1:2 structure $(Ca_{1-y}Y)_2Sr_2(Tl_{0.5}Pb_{0.5})Cu_2O_7$ as a function of doping. <i>Physical Review B</i> , 1993 , 47, 12104-12109	3.3	15
52	The Great Flexibility of the Rock Salt Layers in the Lead-Based 1212 High- T_c Superconductive Cuprates: The Oxides $(Pb, A)Sr_2(Ca, Ln)Cu_2O_7$. <i>Journal of Solid State Chemistry</i> , 1993 , 102, 31-39	3.3	28
51	Superconductivity up to 90 K in a New Family of the $(Pb, Hg)Sr_2(Ca, Y)Cu_2O_7$ System. <i>Journal of Solid State Chemistry</i> , 1993 , 103, 280-286	3.3	77
50	Superconductivity in Pb-based 1212 cuprates; evidence for under-doping from thermoelectric power. <i>Solid State Communications</i> , 1993 , 87, 31-34	1.6	
49	T_c enhancement of the $(Tl, Pb, Bi)Sr-Ca-Cu-O$ and $Tl-Ba-Ca-Cu-O$ systems. <i>Applied Superconductivity</i> , 1993 , 1, 527-534		2
48	Superconductivity up to 32 K in a new family of the Hg-containing $(Pb, Hg)(Sr, La)_2CuO_5$ (1201) system. <i>Physica C: Superconductivity and Its Applications</i> , 1993 , 216, 237-242	1.3	29
47	A new 92 K high- T_c superconductor. <i>Physica C: Superconductivity and Its Applications</i> , 1993 , 205, 206-211	1.3	45
46	Synthesis of a 90 K $Y_2Ba_4Cu_7O_{15}$ superconductor under ambient pressure by triethylammoniumoxalate co-precipitation. <i>Physica C: Superconductivity and Its Applications</i> , 1993 , 215, 435-438	1.3	3

45	Superconductivity at 133 K in $Tl_2Ba_2Ca_2Cu_3O_{10+x}$ under high pressure. <i>Physica C: Superconductivity and Its Applications</i> , 1993 , 218, 24-28	1.3	24
44	The chemical control of high- T_c superconductivity: Metal-superconductor-insulator transition in $(Tl_{1-x}Pb_x)Sr_2(Ca_{1-y}Y_x)Cu_2O_7$. <i>Journal of Electronic Materials</i> , 1993 , 22, 1199-1203	1.9	1
43	Microstructure, thermoelectric power and magnetic irreversibility of coprecipitated $YBa_2Cu_4O_8$ powders. <i>Solid State Communications</i> , 1992 , 81, 767-770	1.6	4
42	The synthesis, by triethylammoniumoxalate coprecipitation, and superconducting properties of $Y(Ba_{1-x}Sr_x)_2Cu_4O_8$. <i>Journal of Solid State Chemistry</i> , 1991 , 92, 247-252	3.3	17
41	Synthesis, at ambient pressure, of the 80 K superconductor $YBa_2Cu_4O_8$ by triethylammonium oxalate co-precipitation. <i>Journal of the Chemical Society Chemical Communications</i> , 1991 , 664		2
40	Determination of the concentrations of trace and doping elements in GaAs by neutron activation analysis. <i>Journal of Radioanalytical and Nuclear Chemistry</i> , 1990 , 141, 317-326	1.5	4
39	Local-magnetic-moment variation in pure and impure phases of Tl-Ca-Ba-Cu-O superconductors. <i>Journal of Physics and Chemistry of Solids</i> , 1990 , 51, 65-71	3.9	3
38	Superconductivity with $T_c(\text{zero})$ above 105 K in Tl-containing septenary oxides with $Y_1Ba_2Cu_3O_y$ -like structure. <i>Physica C: Superconductivity and Its Applications</i> , 1990 , 165, 347-353	1.3	48
37	First example of indium as a practical alternative to thallium in high- T_c superconductors. <i>Physica C: Superconductivity and Its Applications</i> , 1990 , 165, 111-114	1.3	23
36	Superconductivity and the metal-semiconductor transition in the septenary oxide system, $(Tl_{0.5}Pb_{0.5})(Ca_{1-y}Y_y)Sr_2Cu_2O_7$. <i>Journal of Solid State Chemistry</i> , 1990 , 86, 334-339	3.3	73
35	ESR Spectra and Low-Field Microwave Absorption in Bismuth and Thallium Based Cuprate Superconductors. <i>Japanese Journal of Applied Physics</i> , 1990 , 29, L258-L261	1.4	6
34	Equilibrium phase relations in the Bi-Ca-Sr-Cu-O system at 850 and 900°C. <i>Journal of Materials Research</i> , 1990 , 5, 1403-1408	2.5	43
33	Superconductivity Above 100 K in Tl-Pb-Ca-R-Sr-Cu-O System. <i>Molecular Crystals and Liquid Crystals Incorporating Nonlinear Optics</i> , 1990 , 184, 17-24		
32	Preparation and characterization of superconducting bismuth lead strontium calcium copper oxides $[(Bi,Pb)_2Sr_2Ca_2Cu_3]$ oxides with T_c above 110 K by coprecipitation in triethylamine media. <i>Inorganic Chemistry</i> , 1990 , 29, 3117-3119	5.1	17
31	Coprecipitation process for the preparation of superconductive $Bi_xSr_yCa_zCu$ oxides. <i>Materials Letters</i> , 1990 , 9, 105-108	3.3	10
30	Resistive, magnetic, and structural studies of $Tl_{0.5}Pb_{0.5}(Ca_{1-x}M_x)Sr_2Cu_2O_y$ compounds with M equal to the natural mixture of rare-earth elements. <i>Applied Physics Letters</i> , 1989 , 55, 2029-2031	3.4	4
29	Bulk superconductivity with $T_c(\text{zero})$ up to 95 K in a $Tl_{0.5}Pb_{0.5}Ca_{0.9}Ce_{0.1}Sr_2Cu_2$ oxide with an $Y_1Ba_2Cu_3O_y$ -like structure. <i>Applied Physics Letters</i> , 1989 , 54, 2464-2466	3.4	11
28	Zero resistance up to 162 K in a multiphase Tl-Ca-Ba-Cu-O system. <i>Physical Review B</i> , 1989 , 39, 2792-2795.	3.3	11

27	Synthesis of High-TcYBa ₂ Cu ₃ O _{7-x} Superconductors at a Low Annealing Temperature from a Glass Precursor. <i>Japanese Journal of Applied Physics</i> , 1989 , 28, L41-L44	1.4	4
26	Reversible Phase Transition of the Bi-Ca-Sr-Cu-O System between Semiconductivity and Superconductivity. <i>Japanese Journal of Applied Physics</i> , 1989 , 28, L395-L398	1.4	8
25	Synthesis and characterization for a new family of Tl-containing septenary oxides with Tc,zero above 105 K. <i>Physica C: Superconductivity and Its Applications</i> , 1989 , 162-164, 869-870	1.3	19
24	Characterization of Bi Pb Sb Ca Sr Cu O superconductor sintered in controlled atmosphere. <i>Physica C: Superconductivity and Its Applications</i> , 1989 , 162-164, 911-912	1.3	3
23	Absence of oxygen stoichiometry effects on Tc in a Tl-1122 superconductor. <i>Physica C: Superconductivity and Its Applications</i> , 1989 , 161, 523-526	1.3	16
22	A new series of (Tl _{1-y} Bi _y)(Ca _{1-x} Y _x)Sr ₂ Cu ₂ O _z superconductors with 1122 structure. <i>Physica C: Superconductivity and Its Applications</i> , 1989 , 162-164, 39-40	1.3	9
21	Formation of YBa ₂ BiO ₆ and its effect on the superconductivity in Bi replaced YBa ₂ Cu ₃ O _y . <i>Physica C: Superconductivity and Its Applications</i> , 1989 , 162-164, 71-72	1.3	2
20	A sol-gel route to prepare Tl Ca Ba Cu O superconductor with Tc above 120 K. <i>Physica C: Superconductivity and Its Applications</i> , 1989 , 162-164, 113-114	1.3	8
19	Coexistence of paramagnetism and superconductivity in (Gd _{0.2} Ca _{0.8})Sr ₂ (Tl _{0.5} Pb _{0.5})Cu ₂ O _y . <i>Physica C: Superconductivity and Its Applications</i> , 1989 , 162-164, 323-324	1.3	
18	The fabrication and characterization of superconducting Tl-Pb-Ca-Pr-Sr-Cu-O compounds with Y1Ba ₂ Cu ₃ O _y -like structure and Tc (zero) up to 106 K. <i>Physica C: Superconductivity and Its Applications</i> , 1989 , 159, 385-390	1.3	25
17	Preparation of HIGH-Jc superconducting oxide in the Bi-Sr-Ca-Cu-O system by oxalate gel processing. <i>Materials Letters</i> , 1989 , 8, 228-232	3.3	22
16	Rapid calcination and post-annealing of the Bi?Sr?Ca?Cu?O High-Tc superconductor. <i>Materials Letters</i> , 1989 , 8, 293-296	3.3	
15	Synthesis, transport, magnetization and structural characterizations of Tl-Ca-Ba-Cu-O specimens with T ₀ =123 K and T _{onset} =155 K. <i>Physica C: Superconductivity and Its Applications</i> , 1988 , 156, 109-112	1.3	13
14	Epitaxial growth of high-Tc superconducting Tl-Ca-Ba-Cu-O films by liquid phase epitaxial process. <i>Physica C: Superconductivity and Its Applications</i> , 1988 , 156, 785-787	1.3	9
13	Growth of high Tc-superconducting Y-Ba-Cu-O thin films by a chemical spray pyrolysis method. <i>Physica C: Superconductivity and Its Applications</i> , 1988 , 153-155, 804-805	1.3	1
12	Superconductivity of Y1Ba _{2-x} Sr _x Cu ₃ O _y system. <i>Physica C: Superconductivity and Its Applications</i> , 1988 , 153-155, 866-867	1.3	11
11	Transport, magnetic and microstructural characteristics in the high-critical-temperature superconductor Bi-Ca-Sr-Cu-O. <i>Physica C: Superconductivity and Its Applications</i> , 1988 , 152, 345-348	1.3	5
10	Growth of Bi-Ca-Sr-Cu-O epitaxial layer by liquid phase epitaxial process. <i>Physica C: Superconductivity and Its Applications</i> , 1988 , 156, 197-199	1.3	5

9	A new high-T _c superconducting Tl-Pb-Ca-Sr-Cu-O system. <i>Physica C: Superconductivity and Its Applications</i> , 1988 , 156, 791-794	1.3	14
8	Structural characterization of a TlCaBaCu oxide in T _c onset=155 K and T _c zero=123 K superconducting specimens. <i>Applied Physics Letters</i> , 1988 , 53, 1434-1436	3.4	16
7	Epitaxial growth of high T _c superconducting Y-Ba-Cu-O thin films on (001)MgO by a chemical spray pyrolysis method. <i>Journal of Applied Physics</i> , 1988 , 64, 2523-2526	2.5	21
6	Spectrophotometric and polarographic methods for the determination of silicon at ng/g levels in gallium arsenide. <i>Fresenius Zeitschrift für Analytische Chemie</i> , 1986 , 325, 272-277		8
5	Nanostructured Electrocatalyst Synthesis: Fundamental and Methods79-114		1
4	Nitrogen-inserted nickel nanosheets with controlled orbital hybridization and strain fields for boosted hydrogen oxidation in alkaline electrolytes. <i>Energy and Environmental Science</i> ,	35.4	4
3	Synthesis of ultra-stable perovskite composite quantum dots for light-emitting diodes. <i>Green Chemistry</i> ,	10	3
2	Halide-type Li-ion conductors: Future options for high-voltage all-solid-state batteries. <i>Journal of the Chinese Chemical Society</i> ,	1.5	
1	Evolutionary Generation of Phosphor Materials and Their Progress in Future Applications for Light-Emitting Diodes. <i>Chemical Reviews</i> ,	68.1	15