

Ru-Shi Liu

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602
papers

27,127
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645
ext. papers

30,914
ext. citations

6.3
avg, IF

7.44
L-index

#	Paper	IF	Citations
602	Advances in Phosphors for Light-emitting Diodes. <i>Journal of Physical Chemistry Letters</i> , 2011 , 2, 1268-77	6.4	978
601	Plasmonic photocatalysis. <i>Reports on Progress in Physics</i> , 2013 , 76, 046401	14.4	942
600	Highly efficient non-rare-earth red emitting phosphor for warm white light-emitting diodes. <i>Nature Communications</i> , 2014 , 5, 4312	17.4	898
599	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
598	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
597	Nano-architecture and material designs for water splitting photoelectrodes. <i>Chemical Society Reviews</i> , 2012 , 41, 5654-71	58.5	429
596	Tunable Blue-Green Color Emission and Energy Transfer of Ca ₂ Al ₃ O ₆ F:Ce ³⁺ , Tb ³⁺ Phosphors for Near-UV White LEDs. <i>Journal of Physical Chemistry C</i> , 2012 , 116, 15604-15609	3.8	410
595	Light Converting Inorganic Phosphors for White Light-Emitting Diodes. <i>Materials</i> , 2010 , 3, 2172-2195	3.5	402
594	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
593	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
592	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
591	Critical Red Components for Next-Generation White LEDs. <i>Journal of Physical Chemistry Letters</i> , 2016 , 7, 495-503	6.4	334
590	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
589	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
588	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
587	Origin of thermal degradation of Sr(2-x)Si ₅ N ₈ :Eu(x) phosphors in air for light-emitting diodes. <i>Journal of the American Chemical Society</i> , 2012 , 134, 14108-17	16.4	254
586	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

585	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
584	A study on the luminescence and energy transfer of single-phase and color-tunable KCaY(PO ₄) ₂ :Eu ²⁺ ,Mn ²⁺ phosphor for application in white-light LEDs. <i>Inorganic Chemistry</i> , 2012 , 51, 9636-41	5.1	230
583	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
582	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
581	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
580	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
579	High-performance lithium-ion battery and symmetric supercapacitors based on FeCo@C nanoflakes electrodes. <i>ACS Applied Materials & Interfaces</i> , 2014 , 6, 22701-8	9.5	189
578	Nano-bio effects: interaction of nanomaterials with cells. <i>Nanoscale</i> , 2013 , 5, 3547-69	7.7	187
577	Cation-size-mismatch tuning of photoluminescence in oxynitride phosphors. <i>Journal of the American Chemical Society</i> , 2012 , 134, 8022-5	16.4	184
576	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
575	Neighboring-cation substitution tuning of photoluminescence by remote-controlled activator in phosphor lattice. <i>Journal of the American Chemical Society</i> , 2013 , 135, 12504-7	16.4	172
574	Perovskite Quantum Dots and Their Application in Light-Emitting Diodes. <i>Small</i> , 2018 , 14, 1702433	11	172
573	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
572	Recent Advancements in Li-Ion Conductors for All-Solid-State Li-Ion Batteries. <i>ACS Energy Letters</i> , 2017 , 2, 2734-2751	20.1	168
571	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
570	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
569	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
568	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

567	Highly Stable Red Oxynitride β -SiAlON:Pr ³⁺ Phosphor for Light-Emitting Diodes. <i>Chemistry of Materials</i> , 2011 , 23, 3698-3705	9.6	155
566	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
565	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
564	Ni@NiO Core-Shell Structure-Modified Nitrogen-Doped InTaO ₄ for Solar-Driven Highly Efficient CO ₂ Reduction to Methanol. <i>Journal of Physical Chemistry C</i> , 2011 , 115, 10180-10186	3.8	149
563	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
562	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
561	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
560	Controlling The Activator Site To Tune Europium Valence in Oxyfluoride Phosphors. <i>Chemistry of Materials</i> , 2012 , 24, 2220-2227	9.6	146
559	Architecture of Metallic Nanostructures: Synthesis Strategy and Specific Applications. <i>Journal of Physical Chemistry C</i> , 2011 , 115, 3513-3527	3.8	145
558	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
557	Waterproof Alkyl Phosphate Coated Fluoride Phosphors for Optoelectronic Materials. <i>Angewandte Chemie - International Edition</i> , 2015 , 54, 10862-6	16.4	137
556	Enhanced Photoluminescence Emission and Thermal Stability from Introduced Cation Disorder in Phosphors. <i>Journal of the American Chemical Society</i> , 2017 , 139, 11766-11770	16.4	134
555	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
554	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
553	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
552	Effects of Defects on Photocatalytic Activity of Hydrogen-Treated Titanium Oxide Nanobelts. <i>ACS Catalysis</i> , 2017 , 7, 1742-1748	13.1	129
551	Recent advances in quantum dot-based light-emitting devices: Challenges and possible solutions. <i>Materials Today</i> , 2019 , 24, 69-93	21.8	127
550	Photoluminescent Evolution Induced by Structural Transformation Through Thermal Treating in the Red Narrow-Band Phosphor KGeF ₆ :Mn ²⁺ . <i>ACS Applied Materials & Interfaces</i> , 2015 , 7, 10656-9	9.5	119

549	An oleic acid-capped CdSe quantum-dot sensitized solar cell. <i>Applied Physics Letters</i> , 2009 , 94, 153115	3.4	119
548	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
547	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
546	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
545	Heterostructure of Si and CoSe Promising Photocathode Based on a Non-noble Metal Catalyst for Photoelectrochemical Hydrogen Evolution. <i>Angewandte Chemie - International Edition</i> , 2015 , 54, 6211-6216	16.4	114
544	Eu ²⁺ -activated silicon-oxynitride Ca ₃ Si ₂ O ₄ N ₂ : a green-emitting phosphor for white LEDs. <i>Optics Express</i> , 2011 , 19 Suppl 3, A331-9	3.3	110
543	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
542	High-Performance CsPb Sn Br Perovskite Quantum Dots for Light-Emitting Diodes. <i>Angewandte Chemie - International Edition</i> , 2017 , 56, 13650-13654	16.4	107
541	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
540	KBaPO ₄ :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
539	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
538	Full-Color and Thermally Stable K ₂ SrPO 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
537	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
536	Silicon Anode Design for Lithium-Ion Batteries: Progress and Perspectives. <i>Journal of Physical Chemistry C</i> , 2017 , 121, 27775-27787	3.8	97
535	Facile Atmospheric Pressure Synthesis of High Thermal Stability and Narrow-Band Red-Emitting SrLiAl ₃ N ₄ :Eu(2+) Phosphor for High Color Rendering Index White Light-Emitting Diodes. <i>ACS Applied Materials & Interfaces</i> , 2016 , 8, 19612-7	9.5	96
534	(Ba,Sr)Y ₂ Si ₂ Al ₂ O ₂ N ₅ : Eu ²⁺ : a novel near-ultraviolet converting green phosphor for white light-emitting diodes. <i>Journal of Materials Chemistry</i> , 2011 , 21, 3740		96
533	Green Light-Excitable Ce-Doped Nitridomagnesioaluminate 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
532	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

531	Quantum Dot Monolayer Sensitized ZnO Nanowire-Array Photoelectrodes: True Efficiency for Water Splitting. <i>Angewandte Chemie</i> , 2010 , 122, 6102-6105	3.6	93
530	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
529	Synthesis and Characterization of LiFePO ₄ and LiTi _{0.01} Fe _{0.99} PO ₄ Cathode Materials. <i>Journal of the Electrochemical Society</i> , 2006 , 153, A25	3.9	92
528	Mesoporous ZnCo ₂ O ₄ nanoflakes with bifunctional electrocatalytic activities toward efficiencies of rechargeable lithium-oxygen batteries in aprotic media. <i>Nanoscale</i> , 2013 , 5, 12115-9	7.7	91
527	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
526	Diffusional mechanism of deintercalation in LiFe _{1-x} MnyPO ₄ cathode material. <i>Solid State Ionics</i> , 2006 , 177, 2617-2624	3.3	91
525	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
524	Impact of Lanthanide Nanomaterials on Photonic Devices and Smart Applications. <i>Small</i> , 2018 , 14, e1801882	18.82	87
523	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
522	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
521	Nitrogen-doped graphene nanosheet-supported non-precious iron nitride nanoparticles as an efficient electrocatalyst for oxygen reduction. <i>RSC Advances</i> , 2011 , 1, 1349	3.7	86
520	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
519	Photocatalytic CdSe QDs-decorated ZnO nanotubes: an effective photoelectrode for splitting water. <i>Chemical Communications</i> , 2011 , 47, 3493-5	5.8	81
518	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
517	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
516	Eu substitution and particle size control of Y ₂ O ₂ S for the excitation by UV light emitting diodes. <i>Solid State Communications</i> , 2005 , 136, 205-209	1.6	79
515	Flower-like ZnCo ₂ O ₄ nanowires: toward a high-performance anode material for Li-ion batteries. <i>RSC Advances</i> , 2013 , 3, 20143	3.7	77
514	Superconductivity up to 90 K in a New Family of the (Pb,Hg)Sr ₂ (Ca,Y)Cu ₂ O ₇ System. <i>Journal of Solid State Chemistry</i> , 1993 , 103, 280-286	3.3	77

513	A New Approach to Solar Hydrogen Production: a ZnO/ZnS Solid Solution Nanowire Array Photoanode. <i>Advanced Energy Materials</i> , 2011 , 1, 742-747	21.8	76
512	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
511	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
510	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
509	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
508	Combinatorial chemistry approach to searching phosphors for white light-emitting diodes in (Gd-Y-Bi-Eu)VO ₄ quaternary system. <i>Journal of Materials Chemistry</i> , 2011 , 21, 3677		73
507	Superconductivity and the metal-semiconductor transition in the septenary oxide system, (Ti _{0.5} Pb _{0.5})(Ca _{1-x} Y _x)Sr ₂ Cu ₂ O _{7-δ} . <i>Journal of Solid State Chemistry</i> , 1990 , 86, 334-339	3.3	73
506	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
505	Single-phased white-light-emitting KCaGd(PO ₄) ₂ :Eu ²⁺ , Tb ³⁺ , Mn ²⁺ phosphors for LED applications. <i>RSC Advances</i> , 2013 , 3, 9023	3.7	72
504	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
503	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
502	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
501	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
500	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
499	Versatile phosphors Ba 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
498	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
497	Single-phased white-light-emitting Ca ₂ (PO ₄) ₂ :Ce ³⁺ , Eu ³⁺ phosphors based on energy transfer. <i>Dalton Transactions</i> , 2015 , 44, 11399-407	4.3	67
496	Structure, composition, morphology, photoluminescence and cathodoluminescence properties of ZnGeN ₂ and ZnGeN ₂ :Mn ²⁺ for field emission displays. <i>Acta Materialia</i> , 2010 , 58, 6728-6735	8.4	66

495	Synthesis and Characterization of Multi-Pod-Shaped Gold/Silver Nanostructures. <i>Journal of Physical Chemistry C</i> , 2007 , 111, 5909-5914	3.8	66
494	Plasmonic hot electrons for sensing, photodetection, and solar energy applications: A perspective. <i>Journal of Chemical Physics</i> , 2020 , 152, 220901	3.9	65
493	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
492	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
491	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
490	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
489	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
488	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
487	Multi-Bandgap-Sensitized ZnO Nanorod Photoelectrode Arrays for Water Splitting: An X-ray Absorption Spectroscopy Approach for the Electronic Evolution under Solar Illumination. <i>Journal of Physical Chemistry C</i> , 2011 , 115, 21971-21980	3.8	61
486	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
485	Combinatorial study of the optimization of Y ₂ O ₃ :Bi,Eu red phosphors. <i>ACS Combinatorial Science</i> , 2007 , 9, 343-6		61
484	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
483	A Versatile Route to the Controlled Synthesis of Gold Nanostructures. <i>Crystal Growth and Design</i> , 2009 , 9, 2079-2087	3.5	60
482	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
481	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
480	Controlling the length and shape of gold nanorods. <i>Journal of Physical Chemistry B</i> , 2005 , 109, 19553-5	3.4	58
479	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
478	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

477	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
476	Plasmon-induced hyperthermia: hybrid upconversion NaYF ₃ :Yb/Er and gold nanomaterials for oral cancer photothermal therapy. <i>Journal of Materials Chemistry B</i> , 2015 , 3, 8293-8302	7.3	55
475	Plasmon-enhanced near-infrared-active materials in photoelectrochemical water splitting. <i>Chemical Communications</i> , 2013 , 49, 7917-9	5.8	55
474	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
473	Strategies for Designing Antithermal-Quenching Red Phosphors. <i>Advanced Science</i> , 2020 , 7, 1903060	13.6	54
472	Plasmonic optical properties of a single gold nano-rod. <i>Optics Express</i> , 2007 , 15, 7132-9	3.3	54
471	Silicon microwire arrays decorated with amorphous heterometal-doped molybdenum sulfide for water photoelectrolysis. <i>Nano Energy</i> , 2017 , 32, 422-432	17.1	52
470	Blue Emission by Interstitial Site Occupation of Ce ³⁺ in AlN. <i>Chemistry of Materials</i> , 2012 , 24, 3486-3492	9.6	52
469	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
468	[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
467	UV/VUV switch-driven color-reversal effect for Tb-activated phosphors. <i>Light: Science and Applications</i> , 2016 , 5, e16066	16.7	51
466	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
465	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
464	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	29.5	49
463	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
462	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
461	Superconductivity with T _c (zero) above 105 K in Tl-containing septenary oxides with Y ₁ Ba ₂ Cu ₃ O _y -like structure. <i>Physica C: Superconductivity and Its Applications</i> , 1990 , 165, 347-353	1.3	48
460	Voltammetric Enhancement of Li-Ion Conduction in Al-Doped Li ₇ La ₃ Zr ₂ O ₁₂ Solid Electrolyte. <i>Journal of Physical Chemistry C</i> , 2017 , 121, 15565-15573	3.8	47

459	Isovalent and aliovalent substitution effects on redox chemistry of Sr ₂ MgMoO ₆ as a LiOFC-anode material. <i>Solid State Ionics</i> , 2010 , 181, 754-759	3.3	47
458	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
457	Efficient energy storage capabilities promoted by hierarchical MnCo ₂ O ₄ nanowire-based architectures. <i>RSC Advances</i> , 2014 , 4, 17230	3.7	46
456	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
455	Structural Evolution and Effect of the Neighboring Cation on the Photoluminescence of Sr(LiAl (SiMg) N :Eu Phosphors. <i>Angewandte Chemie - International Edition</i> , 2019 , 58, 7767-7772	16.4	45
454	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
453	A new 92 K high-T _c superconductor. <i>Physica C: Superconductivity and Its Applications</i> , 1993 , 205, 206-211	1.3	45
452	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
451	Improvement of the Water Resistance of a Narrow-Band Red-Emitting SrLiAl ₃ N ₄ :Eu(2+) Phosphor Synthesized under High Isostatic Pressure through Coating with an Organosilica Layer. <i>Angewandte Chemie - International Edition</i> , 2016 , 55, 9652-6	16.4	44
450	Graphitic carbon nitride-based nanocomposites and their biological applications: a review. <i>Nanoscale</i> , 2019 , 11, 14993-15003	7.7	44
449	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
448	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	3.2	43
447	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
446	Ru valence in RuSr ₂ Gd _{2-x} Ce _x Cu ₂ O ₁₀ + δ as measured by x-ray-absorption near-edge spectroscopy. <i>Physical Review B</i> , 2002 , 65,	3.3	41
445	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
444	The CoTe ₂ nanostructure: an efficient and robust catalyst for hydrogen evolution. <i>Chemical Communications</i> , 2015 , 51, 17012-5	5.8	40
443	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
442	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

- 441 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
- 440 Near-infrared quantum cutting platform in thermally stable phosphate phosphors for solar cells. *Inorganic Chemistry*, **2013**, 52, 7352-7 5.1 39
- 439 Characterisation of olivine-type $\text{LiMn}_x\text{Fe}_{1-x}\text{PO}_4$ cathode materials. *Journal of Alloys and Compounds*, **2006**, 425, 362-366 5.7 39
- 438 Effect of Co doping in LiMn_2O_4 . *Journal of Power Sources*, **2001**, 102, 21-28 8.9 39
- 437 Size effects in the NMR of SnO_2 powders. *Materials Research Bulletin*, **1999**, 34, 1513-1520 5.1 39
- 436 Hidden Structural Evolution and Bond Valence Control in Near-Infrared Phosphors for Light-Emitting Diodes. *ACS Energy Letters*, **2021**, 6, 109-114 20.1 39
- 435 Nanosegregation and neighbor-cation control of photoluminescence in carbidnitridosilicate phosphors. *Angewandte Chemie - International Edition*, **2013**, 52, 8102-6 16.4 38
- 434 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
- 433 Appropriate green phosphor of $\text{SrSi}_2\text{O}_7\text{N}_2\text{:Eu}^{2+},\text{Mn}^{2+}$ for AC LEDs. *Optics Express*, **2012**, 20, 18031-43 3.3 38
- 432 Investigation of the Growth Mechanism of Iron Oxide Nanoparticles via a Seed-Mediated Method and Its Cytotoxicity Studies. *Journal of Physical Chemistry C*, **2008**, 112, 15684-15690 3.8 38
- 431 Chromium(III)-Doped Fluoride Phosphors with Broadband Infrared Emission for Light-Emitting Diodes. *Inorganic Chemistry*, **2020**, 59, 376-385 5.1 38
- 430 All-Solid-State Li-Ion Battery Using $\text{Li}_{1.5}\text{Al}_{0.5}\text{Ge}_{1.5}(\text{PO}_4)_3$ As Electrolyte Without Polymer Interfacial Adhesion. *Journal of Physical Chemistry C*, **2018**, 122, 14383-14389 3.8 38
- 429 Crystal and local structure refinement in $\text{Ca}_2\text{Al}_3\text{O}_6\text{F}$ explored by X-ray diffraction and Raman spectroscopy. *Physical Chemistry Chemical Physics*, **2014**, 16, 5952-7 3.6 37
- 428 Array of CdSe QD-Sensitized ZnO Nanorods Serves as Photoanode for Water Splitting. *Journal of the Electrochemical Society*, **2010**, 157, B1430 3.9 37
- 427 Ultra-Broadband Phosphors Converted Near-Infrared Light Emitting Diode with Efficient Radiant Power for Spectroscopy Applications. *ACS Photonics*, **2019**, 6, 3215-3224 6.3 36
- 426 X-ray Absorption Studies in Spinel-Type LiMn_2O_4 . *Journal of Solid State Chemistry*, **1997**, 128, 326-329 3.3 36
- 425 Fabrication and magnetic properties of nickel nanowires. *Journal of Magnetism and Magnetic Materials*, **2004**, 282, 28-31 2.8 36
- 424 Nitrate reduction to ammonium: from CuO defect engineering to waste NO_x -to- NH_3 economic feasibility. *Energy and Environmental Science*, **2021**, 14, 3588-3598 35.4 36

4 ²³	Microfluidic Synthesis of Semiconducting Colloidal Quantum Dots and Their Applications. <i>ACS Applied Nano Materials</i> , 2019 , 2, 1773-1790	5.6	35
4 ²²	CoSe Embedded in CN: An Efficient Photocathode for Photoelectrochemical Water Splitting. <i>ACS Applied Materials & Interfaces</i> , 2016 , 8, 26690-26696	9.5	35
4 ²¹	Controlling Optical Properties of Aluminum Oxide Using Electrochemical Deposition. <i>Journal of the Electrochemical Society</i> , 2007 , 154, K11	3.9	35
4 ²⁰	Preparation and properties of bio-compatible magnetic Fe ₃ O ₄ nanoparticles. <i>Journal of Magnetism and Magnetic Materials</i> , 2006 , 304, e415-e417	2.8	35
4 ¹⁹	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
4 ¹⁸	Recent Developments in Lead-Free Double Perovskites: Structure, Doping, and Applications. <i>Chemistry - an Asian Journal</i> , 2020 , 15, 242-252	4.5	35
4 ¹⁷	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
4 ¹⁶	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
4 ¹⁵	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
4 ¹⁴	Improvement efficiency of a dye-sensitized solar cell using Eu ³⁺ modified TiO ₂ nanoparticles as a secondary layer electrode. <i>Journal of Materials Chemistry</i> , 2010 , 20, 6505		34
4 ¹³	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
4 ¹²	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
4 ¹¹	Fabrication of nanorattles with passive shell. <i>Journal of Physical Chemistry B</i> , 2006 , 110, 19162-7	3.4	34
4 ¹⁰	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
4 ⁰⁹	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
4 ⁰⁸	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
4 ⁰⁷	Chitosan-Modified Stable Colloidal Gold Nanostars for the Photothermolysis of Cancer Cells. <i>Journal of Physical Chemistry C</i> , 2013 , 117, 2396-2410	3.8	33
4 ⁰⁶	Pressure dependence of the superconducting critical temperature of Tl ₂ Ba ₂ Ca ₂ Cu ₃ O _{10+y} and Tl ₂ Ba ₂ Ca ₃ Cu ₄ O _{12+y} up to 21 GPa. <i>Physical Review B</i> , 1996 , 54, 10175-10185	3.3	33

405	ZnO nanorod optical disk photocatalytic reactor for photodegradation of methyl orange. <i>Optics Express</i> , 2013 , 21, 7240-9	3.3	32
404	An alternative cobalt oxide-supported platinum catalyst for efficient hydrolysis of sodium borohydride. <i>Journal of Materials Chemistry</i> , 2011 , 21, 11754		32
403	Development of wavelet de-noising technique for PET images. <i>Computerized Medical Imaging and Graphics</i> , 2005 , 29, 297-304	7.6	32
402	Cuboid-Size-Controlled Color-Tunable Eu-Doped Alkali Lithosilicate Phosphors. <i>Chemistry of Materials</i> , 2020 , 32, 1748-1759	9.6	32
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	Using binary resistors to achieve multilevel resistive switching in multilayer NiO/Pt nanowire arrays. <i>NPG Asia Materials</i> , 2014 , 6, e85-e85	10.3	31
399	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
398	Effects of B ² -site transition metal on the properties of double perovskites Sr ₂ FeMO ₆ (M=Mo, W): B ² 4d ¹⁰ d system. <i>Solid State Communications</i> , 2005 , 133, 265-270	1.6	31
397	Ag-Si artificial microflowers for plasmon-enhanced solar water splitting. <i>Chemical Communications</i> , 2015 , 51, 549-52	5.8	30
396	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
395	Layer-specific hole concentrations in Bi ₂ Sr ₂ (Y _{1-x} Cax)Cu ₂ O _{8+x} as probed by XANES spectroscopy and coulometric redox analysis. <i>Physical Review B</i> , 2003 , 67,	3.3	30
394	Advanced sensing, imaging, and therapy nanoplatfoms based on Nd-doped nanoparticle composites exhibiting upconversion induced by 808 nm near-infrared light. <i>Nanoscale</i> , 2017 , 9, 18153-18168	7.7	29
393	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
392	High-Performance CsPb _{1-x} Sn _x Br ₃ Perovskite Quantum Dots for Light-Emitting Diodes. <i>Angewandte Chemie</i> , 2017 , 129, 13838-13842	3.6	29
391	Valence State of Iron in the Sr ₂ Fe(Mo,W,Ta)O _{6.0} 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
390	Neutron diffraction study, magnetic properties and thermal stability of YMn ₂ D ₆ synthesized under high deuterium pressure. <i>Journal of Solid State Chemistry</i> , 2005 , 178, 356-362	3.3	29
389	Determination of Mn Valence from X-Ray Absorption Near Edge Structure and Study of Magnetic Behavior in Hole-Doped (Nd _{1-x} Cax)MnO ₃ System. <i>Journal of Solid State Chemistry</i> , 1996 , 125, 112-115	3.3	29
388	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} Bax)Ca ₂ Cu ₃ O ₉ (x=0.2-0.3). <i>Physica C: Superconductivity and Its Applications</i> , 1994 , 222, 278-282	1.3	29

- 387 Superconductivity up to 32 K in a new family of the Hg-containing (Pb, Hg) (Sr, La)₂CuO₅[(1201) system. *Physica C: Superconductivity and Its Applications*, **1993**, 216, 237-242 1.3 29
- 386 Thermally Stable and Deep Red Luminescence of SrBa[MgAlN]:Eu (= 0-1) Phosphors for Solid State and Agricultural Lighting Applications. *ACS Applied Materials & Interfaces*, **2020**, 12, 23165-23171 9.5 28
- 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 Synthesis, electrochemical properties, and characterization of LiFePO₄/C composite by a two-source method. *Journal of Alloys and Compounds*, **2009**, 487, 58-63 5.7 28
- 383 Crystal Structures and Peculiar Magnetic Properties of β - and γ -Al₂O₃ Powders. *Modern Physics Letters B*, **1997**, 11, 1169-1174 1.6 28
- 382 The Great Flexibility of the Rock Salt Layers in the Lead-Based 1212 High-T_c Superconductive Cuprates: The Oxides (Pb, A)Sr₂(Ca, Ln)Cu₂O₇- δ . *Journal of Solid State Chemistry*, **1993**, 102, 31-39 3.3 28
- 381 Phosphorous-doped molybdenum disulfide anchored on silicon as an efficient catalyst for photoelectrochemical hydrogen generation. *Applied Catalysis B: Environmental*, **2020**, 263, 118259 21.8 28
- 380 Chemical Control of SrLi(Al_{1-x}Ga_x)₃N₄:Eu²⁺ Red Phosphors at Extreme Conditions for Application in Light-Emitting Diodes. *Chemistry of Materials*, **2019**, 31, 4614-4618 9.6 27
- 379 All-in-one light-tunable borated phosphors with chemical and luminescence dynamical control resolution. *ACS Applied Materials & Interfaces*, **2014**, 6, 9160-72 9.5 27
- 378 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
- 377 Waterproof Alkyl Phosphate Coated Fluoride Phosphors for Optoelectronic Materials. *Angewandte Chemie*, **2015**, 127, 11012-11016 3.6 27
- 376 Biocompatible transferrin-conjugated sodium hexametaphosphate-stabilized gold nanoparticles: synthesis, characterization, cytotoxicity and cellular uptake. *Nanotechnology*, **2011**, 22, 395706 3.4 27
- 375 Pd₂Be Nanoparticles Investigated by X-ray Absorption Spectroscopy as Electrocatalysts for Oxygen Reduction. *Chemistry of Materials*, **2009**, 21, 4030-4036 9.6 27
- 374 Structural transformation of LiVOPO₄ to Li₃V₂(PO₄)₃ with enhanced capacity. *Journal of Physical Chemistry B*, **2008**, 112, 11250-7 3.4 27
- 373 The novel YMn₂D₆ deuteride synthesized under high pressure of gaseous deuterium. *Solid State Communications*, **2004**, 130, 815-820 1.6 27
- 372 Chromium Ion Pair Luminescence: A Strategy in Broadband Near-Infrared Light-Emitting Diode Design. *Journal of the American Chemical Society*, **2021**, 143, 19058-19066 16.4 27
- 371 In Situ and Ex Situ Monitoring of Oxygen Absorption in YBaCo₄O₇+ δ . *Chemistry Letters*, **2007**, 36, 1368-1369 26
- 370 Magnetocaloric effect and magnetic properties of Tb_{0.9}Sn_{0.1}MnO₃. *Journal of Applied Physics*, **2007**, 101, 103904 2.5 26

369	Structural, electrical and magnetic properties of two-dimensional $\text{La}_{1.2}(\text{Sr}_{1.8-x}\text{Ca}_x)\text{Mn}_2\text{O}_7$ manganites. <i>Journal of Applied Physics</i> , 1999 , 86, 2178-2184	2.5	26
368	Pressure effect on the zero-phonon line emission of $\text{Mn}(4+)$ in K_2SiF_6 . <i>Journal of Chemical Physics</i> , 2015 , 143, 134704	3.9	25
367	Carbon incorporated FeN/C electrocatalyst for oxygen reduction enhancement in direct methanol fuel cells: X-ray absorption approach to local structures. <i>Electrochimica Acta</i> , 2011 , 56, 8734-8738	6.7	25
366	Pressure effects on the transport and magnetic properties of $\text{La}_{1.4}\text{Sr}_{1.6}\text{Mn}_2\text{O}_7$. <i>Physical Review B</i> , 1998 , 58, 12224-12229	3.3	25
365	Crystal structure of the $(\text{Pb}, \text{Hg})\text{Sr}_2(\text{Ca}, \text{Y})\text{Cu}_2\text{O}_7$ -superconductor. <i>Physica C: Superconductivity and Its Applications</i> , 1994 , 222, 13-18	1.3	25
364	The fabrication and characterization of superconducting Tl-Pb-Ca-Pr-Sr-Cu-O compounds with $\text{Y}_1\text{Ba}_2\text{Cu}_3\text{O}_y$ -like structure and T_c (zero) up to 106 K. <i>Physica C: Superconductivity and Its Applications</i> , 1989 , 159, 385-390	1.3	25
363	Theranostic nanobubble encapsulating a plasmon-enhanced upconversion hybrid nanosystem for cancer therapy. <i>Theranostics</i> , 2020 , 10, 782-796	12.1	25
362	Temperature effect on the emission spectra of narrow band Mn phosphors for application in LEDs. <i>Physical Chemistry Chemical Physics</i> , 2017 , 19, 32505-32513	3.6	24
361	Magnetic instability and oxygen deficiency in Na-doped TbMnO_3 . <i>Physical Review B</i> , 2006 , 74,	3.3	24
360	Local structural characterization of Au/Pt bimetallic nanoparticles. <i>Chemical Physics Letters</i> , 2006 , 420, 484-488	2.5	24
359	Ce K-edge EXAFS study of nanocrystalline CeO_2 . <i>Materials Research Bulletin</i> , 2002 , 37, 555-562	5.1	24
358	Chemical Tuning of Structure, Magnetization, and Conductivity in the Self-doped Double-Perovskite $(\text{Sr}_{2-x}\text{Ca}_x)\text{FeMoO}_6$ ($0 \leq x \leq 1.0$) System. <i>Chemistry of Materials</i> , 2003 , 15, 425-432	9.6	24
357	Superconductivity at 133 K in $\text{Tl}_2\text{Ba}_2\text{Ca}_2\text{Cu}_3\text{O}_{10+x}$ under high pressure. <i>Physica C: Superconductivity and Its Applications</i> , 1993 , 218, 24-28	1.3	24
356	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
355	Improvement of resistive switching in NiO-based nanowires by inserting Pt layers. <i>Applied Physics Letters</i> , 2012 , 101, 153106	3.4	23
354	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
353	Broadband near-infrared persistent luminescence of $\text{Ba}[\text{Mg}_2\text{Al}_2\text{N}_4]$ with Eu^{2+} and Tm^{3+} after red light charging. <i>Journal of Materials Chemistry C</i> , 2019 , 7, 1705-1712	7.1	22
352	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

351	Domination of second-sphere shrinkage effect to improve photoluminescence of red nitride phosphors. <i>Inorganic Chemistry</i> , 2014 , 53, 12822-31	5.1	22
350	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
349	Chemical size effect on the magnetic and electrical properties in the (Tb(1-x)Eu(x))MnO(3) (0 < x < 1) system. <i>Journal of Physical Chemistry B</i> , 2007 , 111, 2262-7	3.4	22
348	Structural, electrical and magnetic characterization of the double perovskites Sr ₂ CrMO ₆ (M=Mo, W): B ²⁺ 4d ⁵ d system. <i>Solid State Communications</i> , 2004 , 131, 531-535	1.6	22
347	Crystal and electronic structures of inverse spinel-type LiNiVO ₄ . <i>Materials Research Bulletin</i> , 2001 , 36, 1479-1486	5.1	22
346	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
345	Preparation of HIGH-J _c 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
344	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
343	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
342	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
341	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
340	Improvement in quantum yield by suppression of triplets in room temperature synthesized CsPbBr ₃ perovskite quantum dots for backlight displays. <i>Nanoscale</i> , 2020 , 12, 3820-3826	7.7	21
339	Inorganic red perovskite quantum dot integrated blue chip: a promising candidate for high color-rendering in w-LEDs. <i>RSC Advances</i> , 2016 , 6, 79410-79414	3.7	21
338	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
337	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
336	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
335	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
334	Electrodeposition of nano-dimensioned FeSe. <i>Thin Solid Films</i> , 2011 , 519, 8397-8400	2.2	20

333	Hydrides of Laves phases intermetallic compounds synthesized under high hydrogen pressure. <i>Solid State Ionics</i> , 2010 , 181, 306-310	3.3	20
332	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
331	Luminescent Properties and Structure Investigation of Y ₃ Al ₅ O ₁₂ ∕e Phosphors with Si Addition. <i>Journal of the Electrochemical Society</i> , 2007 , 154, P16	3.9	20
330	Melilite-type blue chromophores based on Mn ³⁺ in a trigonal-bipyramidal coordination induced by interstitial oxygen. <i>Journal of Materials Chemistry C</i> , 2013 , 1, 5843	7.1	19
329	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
328	Photoluminescent and Thermal Stable Properties of Tb ³⁺ -Doped Ca ₃ -SiAlON under VUV Excitation. <i>Journal of the Electrochemical Society</i> , 2009 , 156, J189	3.9	19
327	Pb-for-Bi substitution for enhancing thermoelectric characteristics of [(Bi,Pb) ₂ Ba ₂ O ₄ ′]0.5CoO ₂ . <i>Applied Physics Letters</i> , 2006 , 88, 232102	3.4	19
326	⁶³ Cu NMR shift and relaxation behavior in Tl ₂ Ba ₂ Ca ₂ Cu ₃ O ₁₀ (T _c =125K). <i>Physica C: Superconductivity and Its Applications</i> , 1994 , 226, 106-112	1.3	19
325	Synthesis and characterization for a new family of Tl-containing septenary oxides with T _c zero above 105 K. <i>Physica C: Superconductivity and Its Applications</i> , 1989 , 162-164, 869-870	1.3	19
324	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
323	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
322	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
321	Pressure dependence of the superconducting critical temperature of the Tl _{0.5} Pb _{0.5} Sr ₂ (Ca _{1-x} Y _x)Cu ₂ O ₇ system. <i>Physical Review B</i> , 1997 , 55, 11832-11838	3.3	18
320	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
319	Hole doping in Pb-free and Pb-substituted (Bi,Pb) ₂ Sr ₂ Ca ₂ Cu ₃ O ₁₀ +∕s superconductors. <i>Physical Review B</i> , 2003 , 68,	3.3	18
318	High-resolution X-ray absorption near edge structure studies of monophasic Tl ₂ Ba ₂ Ca ₂ Cu ₃ O ₁₀ (Tl-2223) superconductor. <i>Solid State Communications</i> , 1996 , 99, 493-498	1.6	18
317	Hole distribution in (Tl _{0.5} Pb _{0.5})Sr ₂ (Ca _{1-x} Y _x)Cu ₂ O ₇ studied by x-ray absorption spectroscopy. <i>Physical Review B</i> , 1996 , 54, 12587-12593	3.3	18
316	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

- 315 Alcohol-Guided Growth of Two-Dimensional Narrow-Band Red-Emitting KTiF:Mn for White-Light-Emitting Diodes. *ACS Applied Materials & Interfaces*, **2019**, 11, 20143-20149 9.5 17
- 314 Thermal effects in (oxy)nitride phosphors. *Journal of Solid State Lighting*, **2014**, 1, 17
- 313 Luminescence Spectra of β -SiAlON/Pr³⁺ Under High Hydrostatic Pressure. *Journal of Physical Chemistry C*, **2013**, 117, 13181-13186 3.8 17
- 312 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
- 311 Strong orbital polarization in orthorhombic DyMnO₃: A combined x-ray linear dichroism and ab initio electronic structure study. *Physical Review B*, **2010**, 81, 3-3 17
- 310 Mechanism of light emission and electronic properties of a Eu³⁺-doped Bi₂SrTa₂O₉ system determined by coupled X-ray absorption and emission spectroscopy. *Journal of Materials Chemistry*, **2011**, 21, 17119 17
- 309 Intense X-ray induced formation of silver nanoparticles stabilized by biocompatible polymers. *Applied Physics A: Materials Science and Processing*, **2009**, 97, 295-300 2.6 17
- 308 Oxygen Content and Valence of Ru in RuSr₂(Gd_{0.75}Ce_{0.25})₂Cu₂O₁₀ (Ru-1222) Magnetosuperconductor. *Journal of Low Temperature Physics*, **2003**, 131, 1211-1216 1.3 17
- 307 Oxygen non-stoichiometry in Ru-1212 and Ru-1222 magnetosuperconductors. *Physica C: Superconductivity and Its Applications*, **2003**, 392-396, 87-92 1.3 17
- 306 Structure and physical properties of double perovskite compounds Sr₂FeMO₆ (M = Mo, W). *Materials Chemistry and Physics*, **2005**, 93, 314-319 4.4 17
- 305 A comparison of the properties of Bi-2223 precursor powders synthesized by various methods. *Materials Research Bulletin*, **2001**, 36, 1653-1658 5.1 17
- 304 The synthesis, by triethylammoniumoxalate coprecipitation, and superconducting properties of Y(Ba_{1-x}Sr_x)₂Cu₄O₈. *Journal of Solid State Chemistry*, **1991**, 92, 247-252 3.3 17
- 303 Preparation and characterization of superconducting bismuth lead strontium calcium copper oxides [(Bi,Pb)₂Sr₂Ca₂Cu₃] oxides with T_c above 110 K by coprecipitation in triethylamine media. *Inorganic Chemistry*, **1990**, 29, 3117-3119 5.1 17
- 302 Plasmon-Enhanced Electrocatalytic Properties of Rationally Designed Hybrid Nanostructures at a Catalytic Interface. *Advanced Materials Interfaces*, **2019**, 6, 1801144 4.6 17
- 301 Highly Efficient Photoelectrochemical Hydrogen Generation Reaction Using Tungsten Phosphosulfide Nanosheets. *ACS Applied Materials & Interfaces*, **2018**, 10, 17280-17286 9.5 16
- 300 Rutile-type (Ti,Sn)O₂ nanorods as efficient anode materials toward its lithium storage capabilities. *Nanoscale*, **2013**, 5, 2254-8 7.7 16
- 299 Luminescence and density functional theory (DFT) calculation of undoped nitridosilicate phosphors for light-emitting diodes. *Journal of Materials Chemistry*, **2012**, 22, 5828 16
- 298 Electronic structures, hole-doping, and superconductivity of the s = 1, 2, 3, and 4 members of the (Cu,Mo)-12s₂ homologous series of superconductive copper oxides. *Journal of the American Chemical Society*, **2010**, 132, 838-41 16.4 16

297	Crystal and electronic structures of (Ba, Sr)TiO ₃ . <i>Materials Letters</i> , 1998 , 37, 285-289	3.3	16
296	Absence of oxygen stoichiometry effects on T _c in a Tl-1122 superconductor. <i>Physica C: Superconductivity and Its Applications</i> , 1989 , 161, 523-526	1.3	16
295	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
294	Soft-x-ray absorption spectroscopy of Nd _{1+x} Ba _{2-x} Cu ₃ O _{7-δ} (x=0-0.6). <i>Physical Review B</i> , 1997 , 55, 3186-3191	3.3	15
293	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
292	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
291	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 _y)Sr ₂ (Tl _{0.5} Pb _{0.5})Cu ₂ O ₇ as a function of doping. <i>Physical Review B</i> , 1993 , 47, 12104-12109	3.3	15
290	Efficient Luminescence from CsPbBr Nanoparticles Embedded in CsPbBr. <i>Journal of Physical Chemistry Letters</i> , 2020 , 11, 7637-7642	6.4	15
289	Designing Undercoordinated Ni-N and Fe-N on Holey Graphene for Electrochemical CO Conversion to Syngas. <i>ACS Nano</i> , 2021 ,	16.7	15
288	Evolutionary Generation of Phosphor Materials and Their Progress in Future Applications for Light-Emitting Diodes. <i>Chemical Reviews</i> ,	68.1	15
287	Spiral-type heteropolyhedral coordination network based on single-crystal LiSrPO ₄ : implications for luminescent materials. <i>Chemistry - A European Journal</i> , 2013 , 19, 15358-65	4.8	14
286	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
285	Origin of superconductivity suppression in (Dy _{1-x} Pr _x)Ba ₂ Cu ₃ O ₇ studied by soft-x-ray absorption spectroscopy. <i>Physical Review B</i> , 1997 , 55, 14586-14591	3.3	14
284	Vacuum Ultraviolet Excitable Mn ²⁺ -Doped LiZnPO ₄ Phosphors for PDP Applications. <i>Journal of the Electrochemical Society</i> , 2008 , 155, J284	3.9	14
283	energy transfer in (,) doped with. <i>Radiation Measurements</i> , 2007 , 42, 755-758	1.5	14
282	A Novel Anode Material Li ₆ VMoO ₆ for Rechargeable Lithium-Ion Batteries. <i>Electrochemical and Solid-State Letters</i> , 2005 , 8, A650		14
281	Mössbauer study on LiFePO ₄ cathode material for lithium ion batteries. <i>Hyperfine Interactions</i> , 2006 , 167, 767-772	0.8	14
280	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

279	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
278	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
277	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
276	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
275	Improvement of lithium anode deterioration for ameliorating cyclabilities of non-aqueous Li-CO batteries. <i>Nanoscale</i> , 2020 , 12, 8385-8396	7.7	13
274	Cobalt Diselenide Nanorods Grafted on Graphitic Carbon Nitride: A Synergistic Catalyst for Oxygen Reactions in Rechargeable LiO ₂ Batteries. <i>ChemElectroChem</i> , 2018 , 5, 29-35	4.3	13
273	Advances in Carbon-Incorporated Non-Noble Transition Metal Catalysts for Oxygen Reduction Reaction in Polymer Electrolyte Fuel Cells. <i>Journal of the Chinese Chemical Society</i> , 2014 , 61, 93-100	1.5	13
272	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
271	Absence of phase transformation at low temperature in Co-doped LiMn ₂ O ₄ samples. <i>Dalton Transactions RSC</i> , 2001 , 37-40		13
270	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
269	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
268	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
267	Interfacial chemistry in anode-free batteries: challenges and strategies. <i>Journal of Materials Chemistry A</i> , 2021 , 9, 7396-7406	13	13
266	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
265	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
264	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
263	Improvement of the Water Resistance of a Narrow-Band Red-Emitting SrLiAl ₃ N ₄ :Eu ²⁺ Phosphor Synthesized under High Isostatic Pressure through Coating with an Organosilica Layer. <i>Angewandte Chemie</i> , 2016 , 128, 9804-9808	3.6	12
262	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

261	X-ray absorption near edge structure studies of colossal magnetoresistance ferromagnet (La _{1.4} Sr _{1.6})Mn ₂ O ₇ . <i>Solid State Communications</i> , 1998 , 105, 605-608	1.6	12
260	Resonant x-ray emission spectroscopy of multiferroic TbMnO ₃ . <i>Applied Physics Letters</i> , 2007 , 91, 054108	3.4	12
259	energy transfer in Ce ³⁺ -doped Y ₃ Tb _x Gd _{0.65} Al ₅ O ₁₂ . <i>Journal of Physics Condensed Matter</i> , 2006 , 18, 10531-10543	1.8	12
258	Crystalline and magnetic structures of Sr ₂ FeMoO ₆ double perovskites. <i>Physica B: Condensed Matter</i> , 2006 , 385-386, 418-420	2.8	12
257	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
256	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
255	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
254	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
253	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
252	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
251	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
250	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
249	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
248	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
247	Zeolitic imidazolate framework [Zn ₂ (IM) ₄ (DMF)] for UV-white light-emitting diodes. <i>Dalton Transactions</i> , 2012 , 41, 11885-8	4.3	11
246	New Pr ³⁺ site in β-SiAlON red phosphor. <i>Optical Materials</i> , 2013 , 35, 2001-2005	3.3	11
245	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
244	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

- 243 Synthesis and characterization of the colossal magnetoresistance manganite $\text{La}_{1.2}(\text{Sr}_{1.4}\text{Ca}_{0.4})\text{Mn}_2\text{O}_7$ by citrate gel. *Materials Research Bulletin*, **2002**, 37, 235-246 5.1 11
- 242 XANES Study on the Generation and Distribution of Holes via Ca Substitution and O Doping in $\text{Cu}(\text{Ba}_{0.8}\text{Sr}_{0.2})_2(\text{Yb}_{1-x}\text{Ca}_x)\text{Cu}_2\text{O}_{6+z}$. *Journal of Solid State Chemistry*, **2002**, 166, 229-236 3.3 11
- 241 Hole doping and superconductivity characteristics of the $s=1, 2$ and 3 members of the $(\text{Cu},\text{Mo})\text{-}12s_2$ homologous series of layered copper oxides. *Journal of Solid State Chemistry*, **2005**, 178, 3464-3470 3.3 11
- 240 Crystal Structure and Superconductivity of the Mo-Stabilized Sr-Based $\text{YSr}_2\text{Cu}_{2.7}\text{Mo}_{0.3}\text{O}_{7-x}$ Compound. *Journal of Solid State Chemistry*, **1994**, 112, 203-207 3.3 11
- 239 Bulk superconductivity with T_c (zero) up to 95 K in a $\text{Tl}_{0.5}\text{Pb}_{0.5}\text{Ca}_{0.9}\text{Ce}_{0.1}\text{Sr}_2\text{Cu}_2$ oxide with an $\text{Y1Ba}_2\text{Cu}_3\text{O}_y$ -like structure. *Applied Physics Letters*, **1989**, 54, 2464-2466 3.4 11
- 238 Zero resistance up to 162 K in a multiphase Tl-Ca-Ba-Cu-O system. *Physical Review B*, **1989**, 39, 2792-2795 3.3 11
- 237 Superconductivity of $\text{Y1Ba}_2\text{Sr}_x\text{Cu}_3\text{O}_y$ system. *Physica C: Superconductivity and Its Applications*, **1988**, 153-155, 866-867 1.3 11
- 236 Highly Luminescent $\text{CsPbBr}_3/\text{CsPbBr}_3$ Nanocrystals and Their Application in Electroluminescent Emitters. *Journal of Physical Chemistry Letters*, **2020**, 11, 10196-10202 6.4 11
- 235 Capacity Enhancement of the Quenched Li-Ni-Mn-Co Oxide High-voltage Li-ion Battery Positive Electrode. *Electrochimica Acta*, **2017**, 236, 10-17 6.7 10
- 234 A rare earth-free GaZnON phosphor prepared by combustion for white light-emitting diodes. *Journal of Materials Chemistry C*, **2015**, 3, 1473-1479 7.1 10
- 233 In Operando Transmission X-ray Microscopy Illuminated by Synchrotron Radiation for Li-Ion Batteries. *ACS Energy Letters*, **2018**, 3, 1911-1928 20.1 10
- 232 Electrochemical reduction of high-efficiency ozone generation through nitrogen-doped diamond-like carbon electrodes. *RSC Advances*, **2013**, 3, 5917 3.7 10
- 231 Electrochemical Supercapacitors **2012**, 317-382 10
- 230 Nanosegregation and Neighbor-Cation Control of Photoluminescence in Carbido-nitridosilicate Phosphors. *Angewandte Chemie*, **2013**, 125, 8260-8264 3.6 10
- 229 Structural, thermal and magnetic properties of ErMn_2D_6 synthesized under high deuterium pressure. *Journal of Physics Condensed Matter*, **2006**, 18, 6409-6420 1.8 10
- 228 Charge transport mechanism in $\text{LiCo}_y\text{Mn}_{2-y}\text{O}_4$ cathode material. *Solid State Ionics*, **2003**, 157, 101-108 3.3 10
- 227 Superconductivity suppression of $\text{R}(\text{Ba}_{1-x}\text{R}_x)_2\text{Cu}_3\text{O}_{7-x}$ ($\text{R}=\text{Nd, Pr}$) probed by soft-x-ray absorption spectroscopy. *Physical Review B*, **1999**, 59, 3855-3861 3.3 10
- 226 Coprecipitation process for the preparation of superconductive $\text{Bi}_x\text{Sr}_y\text{Ca}_z\text{Cu}$ oxides. *Materials Letters*, **1990**, 9, 105-108 3.3 10

225	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
224	Quantum dots for light conversion, therapeutic and energy storage applications. <i>Journal of Solid State Chemistry</i> , 2019 , 270, 71-84	3.3	10
223	Nano-lipospheres as acoustically active ultrasound contrast agents: evolving tumor imaging and therapy technique. <i>Nanotechnology</i> , 2019 , 30, 182001	3.4	10
222	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
221	Structural phase transitions and photoluminescence properties of oxonitridosilicate phosphors under high hydrostatic pressure. <i>Scientific Reports</i> , 2016 , 6, 34010	4.9	9
220	Electron-doping through LaIII-for-SrII substitution in (Sr _{1-x} La _x) ₂ 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
219	Studies of microstructure and ruthenium valence in the ruthenocuprates Pb ₂ RuSr ₂ Cu ₂ O ₈ Cl and (Ru, M)Sr ₂ GdCu ₂ O ₈ (M=Sn, Nb). <i>Journal of Solid State Chemistry</i> , 2004 , 177, 834-838	3.3	9
218	The chemical control of colossal magnetoresistance (CMR) in the new two-dimensional La _{1.2} (Sr _{1.8-x} Ca _x)Mn ₂ O ₇ system. <i>Solid State Sciences</i> , 1999 , 1, 61-65		9
217	A new series of (Tl _{1-x} Bi _y)(Ca _{1-x} Y _x)Sr ₂ Cu ₂ O _z superconductors with $\sqrt{122}$ structure. <i>Physica C: Superconductivity and Its Applications</i> , 1989 , 162-164, 39-40	1.3	9
216	Epitaxial growth of high-T _c 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
215	High-performance Na ₂ O 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
214	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
213	Broadband NaKLi[LiSiO]:Ce Alkali Lithosilicate Blue Phosphors. <i>Journal of Physical Chemistry Letters</i> , 2020 , 11, 6621-6625	6.4	9
212	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
211	Na ₂ O ₂ battery with NASICON-structured solid-state electrolyte. <i>Nano Energy</i> , 2021 , 85, 105972	17.1	9
210	(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
209	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
208	Synergistic Improvement in Charge Overpotential of Li ₂ O ₂ Batteries by Oxidized Carbon Nanotubes and Cobalt Nitride Composites. <i>Journal of Physical Chemistry C</i> , 2018 , 122, 13416-13423	3.8	8

207	Equation of state for Eu-doped SrSiO ₃ . <i>Journal of Chemical Physics</i> , 2014 , 141, 014705	3.9	8
206	Effect of Li Amount to Enhance the Electrochemical Performance of Carbon-Coated LiFePO ₄ . <i>Electrochemical and Solid-State Letters</i> , 2009 , 12, A111		8
205	Crystal structure and electronic and thermal properties of TbFeAsO _{0.85} . <i>Applied Physics Letters</i> , 2009 , 94, 192507	3.4	8
204	Quantitative XANES Spectroscopy Study on the Prototype Hole- and Electron-Doped High-T _c 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
203	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
202	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
201	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
200	Internal Chemical Pressure Effect and Magnetic Properties of La _{0.6} (Sr _{0.4} -x)MnO ₃ . <i>Journal of Solid State Chemistry</i> , 2001 , 156, 117-121	3.3	8
199	Strain effect on the thermoelectric power of YBa ₂ -xSr _x Cu ₃ O ₇ . <i>Physica C: Superconductivity and Its Applications</i> , 2000 , 336, 249-253	1.3	8
198	Hole Distribution in Underdoped and Overdoped Y(Ba _{2-y} Sr _y)Cu ₃ O _{6+δ} Compounds Studied by X-ray Absorption Spectroscopy. <i>Inorganic Chemistry</i> , 1998 , 37, 5527-5531	5.1	8
197	Enhancement of critical Pr ion concentration (x _c) in (La _{1-x} Pr _x)Ba ₂ Cu ₃ O _z . <i>Journal of Applied Physics</i> , 1999 , 86, 6985-6992	2.5	8
196	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
195	A sol-gel route to prepare Tl Ca Ba Cu O superconductor with T _c above 120 K. <i>Physica C: Superconductivity and Its Applications</i> , 1989 , 162-164, 113-114	1.3	8
194	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
193	Gelatin sponge functionalized with gold/silver clusters for antibacterial application. <i>Nanotechnology</i> , 2020 , 31, 134004	3.4	8
192	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
191	Polymer Electrolyte Membrane Fuel Cells 2012 , 601-670		7
190	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

189	Diode-like I-V characteristics of a nonplanar polyaromatic compound: a spectroscopic study of isolated and stacked dibenzo[g,p]chrysene. <i>Chemistry - an Asian Journal</i> , 2011 , 6, 1181-7	4.5	7
188	Modulating cell-uptake behavior of Au-based nanomaterials via quantitative biomolecule modification. <i>Journal of Materials Chemistry</i> , 2011 , 21, 14821		7
187	Systematic Cu L2,3-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
186	Chemical pressure control of Curie temperature in La _{0.6} (Ba _{0.4-x} Ca _x)MnO ₃ . <i>Materials Chemistry and Physics</i> , 2002 , 75, 26-31	4.4	7
185	Electrochemical studies on mixtures of LiNi _{0.8} Co _{0.17} Al _{0.03} O ₂ and LiCoO ₂ cathode materials for lithium ion batteries. <i>Solid State Communications</i> , 2005 , 133, 687-690	1.6	7
184	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
183	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). <i>Physical Review B</i> , 2005 , 72,	3.3	7
182	Chemical pressure controlled colossal magnetoresistance effects in La _{0.6} (Sr _{0.4-x} Ca _x)MnO ₃ . <i>Solid State Sciences</i> , 2001 , 3, 1063-1072		7
181	Natural Carbon Nanodots: Toxicity Assessment and Theranostic Biological Application. <i>Pharmaceutics</i> , 2021 , 13,	6.4	7
180	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
179	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
178	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
177	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
176	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
175	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
174	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
173	Metal-Air Technology 2012 , 239-277		6
172	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

171	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
170	Synthesis and magnetic properties of multilayer Ni/Cu and NiFe/Cu nanowires 2006 , 67, 85-91		6
169	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
168	Chemical size effect on the magnetic and electrical properties of colossal magnetoresistance La _{1.2} (Sr _{1.8-x} Cax)Mn ₂ O ₇ materials. <i>Journal of the Chemical Society Dalton Transactions</i> , 1999 , 623-628		6
167	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
166	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
165	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
164	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
163	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
162	Formation, crystal growth and colour appearance of Mimetic Tianmu glaze. <i>Ceramics International</i> , 2016 , 42, 7506-7513	5.1	5
161	Enhancement of UV absorption and near-infrared emission of Er ³⁺ in Li ₂ SrSiO ₄ :Ce ³⁺ , Er ³⁺ for Ge solar spectral convertor. <i>Optical Materials</i> , 2014 , 36, 1871-1873	3.3	5
160	Direct Methanol Fuel Cells 2012 , 701-727		5
159	ZrNi ₅ -based hydrogenated phases formed under high hydrogen pressure conditions. <i>Applied Surface Science</i> , 2011 , 257, 8237-8240	6.7	5
158	Hole doping into Co-12s ₂ 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
157	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
156	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
155	Magnetic order and spin reorientation in Nd _{0.45} Ca _{0.55} MnO ₃ . <i>Journal of Applied Physics</i> , 1999 , 85, 5588-5590	5.9	5
154	Further measurements on the Tl _{0.5} Pb _{0.5} Sr ₂ (Ca _{1-x} Y _x)Cu ₂ O ₇ system Pb NMR and magnetic susceptibility. <i>Physica C: Superconductivity and Its Applications</i> , 1995 , 244, 207-213	1.3	5

153	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
152	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
151	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
150	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
149	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
148	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
147	Electrochemical Technologies for Energy Storage and Conversion 2012 , 1-43		4
146	Solid Oxide Fuel Cells 2012 , 671-700		4
145	Highly efficient urchin-like bimetallic nanoparticles for photothermal cancer therapy. <i>SPIE Newsroom</i> , 2013 ,		4
144	Functional electroless gold Ohmic contacts in light emitting diodes. <i>Applied Physics Letters</i> , 2011 , 99, 063511	3.4	4
143	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
142	Soft X-ray absorption study of (Nd _{1.05} Pr _x)Ba _{1.95} Cu ₃ O ₇ using synchrotron radiation. <i>Chemical Physics Letters</i> , 1998 , 294, 209-216	2.5	4
141	Influence of oxygen defects on the crystal structure and magnetic properties of the (Tb _{1-x} Na _x)MnO _{3-y} (0. <i>Inorganic Chemistry</i> , 2007 , 46, 4575-82	5.1	4
140	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
139	SYNTHESIS, STRUCTURAL AND MAGNETIC PROPERTIES OF DOUBLE PEROVSKITES Sr ₂ CrWO ₆ . <i>International Journal of Modern Physics B</i> , 2005 , 19, 537-540	1.1	4
138	Morphology and surface plasma changes of Au-Pt bimetallic nanoparticles. <i>Journal of Nanoscience and Nanotechnology</i> , 2006 , 6, 1411-5	1.3	4
137	Crystal structure and magnetic properties of the double perovskite (Sr ₂ Cax)FeMoO ₆ (0 ≤ x ≤ 1.0). <i>Journal of Magnetism and Magnetic Materials</i> , 2002 , 239, 164-166	2.8	4
136	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

135	The study of the hole distribution in high- T_c 1212-type cuprates via x-ray absorption spectroscopy. <i>Superconductor Science and Technology</i> , 1998 , 11, 1028-1031	3.1	4
134	Microstructure, thermoelectric power and magnetic irreversibility of coprecipitated $\text{YBa}_2\text{Cu}_4\text{O}_8$ powders. <i>Solid State Communications</i> , 1992 , 81, 767-770	1.6	4
133	Resistive, magnetic, and structural studies of $\text{Tl}_{0.5}\text{Pb}_{0.5}(\text{Ca}_{1-x}\text{M}_x)\text{Sr}_2\text{Cu}_2\text{O}_y$ compounds with M equal to the natural mixture of rare-earth elements. <i>Applied Physics Letters</i> , 1989 , 55, 2029-2031	3.4	4
132	Synthesis of High- T_c $\text{YBa}_2\text{Cu}_3\text{O}_{7-x}$ Superconductors at a Low Annealing Temperature from a Glass Precursor. <i>Japanese Journal of Applied Physics</i> , 1989 , 28, L41-L44	1.4	4
131	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
130	Integrated therapy platform of exosomal system: hybrid inorganic/organic nanoparticles with exosomes for cancer treatment.. <i>Nanoscale Horizons</i> , 2022 ,	10.8	4
129	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
128	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
127	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
126	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
125	Capturing carbon dioxide in NaClO_2 batteries: A route for green energy. <i>Journal of the Chinese Chemical Society</i> , 2021 , 68, 421-428	1.5	4
124	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
123	Structural Evolution and Effect of the Neighboring Cation on the Photoluminescence of $\text{Sr}(\text{LiAl}_3)_2(\text{SiMg}_3)_x\text{N}_4:\text{Eu}^{2+}$ Phosphors. <i>Angewandte Chemie</i> , 2019 , 131, 7849-7854	3.6	3
122	Thermal quenching of Ce^{3+} luminescence in the cuspidine-type oxide nitride compounds $\text{Y}_4\text{Si}_2\text{Al}_x\text{O}_{7+x}\text{N}_2$. <i>Journal of Luminescence</i> , 2018 , 193, 125-132	3.8	3
121	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
120	Facile dental resin composites with tunable fluorescence by tailoring Cd-free quantum dots. <i>RSC Advances</i> , 2013 , 3, 16639	3.7	3
119	Lead-Acid Battery 2012 , 111-174		3
118	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

117	Neutron polarization analysis on the multiferroic TbMn ₂ O ₅ . <i>Physica B: Condensed Matter</i> , 2009 , 404, 2517-2519	2.8	3
116	Comparative XANES study on the two electron-doped high-T _c 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
115	Formation of hydrides in (Ti(1-x)Zr(x))Co(2.00) (0 Inorganic Chemistry, 2009 , 48, 11655-9	5.1	3
114	Structural, electronic and magnetic properties of YFeMnH ₅ . <i>International Journal of Hydrogen Energy</i> , 2011 , 36, 1046-1052	6.7	3
113	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
112	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
111	Controlling Length and Monitoring Growth of Gold Nanorods. <i>Journal of the Chinese Chemical Society</i> , 2006 , 53, 1343-1348	1.5	3
110	Transformation of Co nanodisks to Co caterpillars. <i>Journal of Magnetism and Magnetic Materials</i> , 2006 , 304, e19-e21	2.8	3
109	Effect of Sr-for-Ba isovalent substitution on the local structure, hole distribution and magnetic irreversibility of Cu(Ba,Sr) ₂ YbCu ₂ O _{6.95(2)} . <i>Journal of Solid State Chemistry</i> , 2004 , 177, 1925-1932	3.3	3
108	XANES Study on the Evolution Among Different Copper Species, Cu ^I , Cu ^{II} and Cu ^{III} , in CuBa ₂ YCu ₂ O _{6+z} Upon Oxygen Loading. <i>Journal of Low Temperature Physics</i> , 2003 , 131, 1205-1210	1.3	3
107	XANES and wet-chemical analyses of the charge balance in (Hg,Pb)(Ba,Sr) ₂ Ca ₂ Cu ₃ O _{8+z} . <i>Physica C: Superconductivity and Its Applications</i> , 2003 , 392-396, 93-98	1.3	3
106	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
105	New advanced magnetic La _{1.2} (Sr _{1.8-x} Cax)Mn ₂ O ₇ compounds with colossal magnetoresistance. <i>Journal of Magnetism and Magnetic Materials</i> , 2000 , 209, 113-115	2.8	3
104	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
103	Tilted antiferromagnetic ordering of Mn in Nd _{0.62} Ca _{0.38} MnO ₃ . <i>Journal of Applied Physics</i> , 1998 , 83, 7345-7347	2.5	3
102	Electron-spin-resonance studies of the hole-doping effect on (Tl _{0.5} Pb _{0.5})Sr ₂ (Ca _{1-x} Y _x)Cu ₂ O ₇ high-T _c superconductors. <i>Physical Review B</i> , 1995 , 52, 12883-12889	3.3	3
101	Charge distribution in (Tl,Pb)Sr ₂ Ca ₂ Cu ₃ O ₉ (T _c =124K): an 17O NMR study. <i>Physica C: Superconductivity and Its Applications</i> , 1994 , 235-240, 1709-1710	1.3	3
100	Synthesis of a 90 K Y ₂ Ba ₄ Cu ₇ O _{15-x} superconductor under ambient pressure by triethylammoniumoxalate co-precipitation. <i>Physica C: Superconductivity and Its Applications</i> , 1993 , 215, 435-438	1.3	3

- 99 Characterization of Bi Pb Sb Ca Sr Cu O superconductor sintered in controlled atmosphere. *Physica C: Superconductivity and Its Applications*, **1989**, 162-164, 911-912 1.3 3
- 98 Local-magnetic-moment variation in pure and impure phases of Tl-Ca-Ba-Cu-O superconductors. *Journal of Physics and Chemistry of Solids*, **1990**, 51, 65-71 3.9 3
- 97 Synthesis of ultra-stable perovskite composite quantum dots for light-emitting diodes. *Green Chemistry*, 10 3
- 96 Broadband Cr³⁺, Sn⁴⁺-Doped Oxide Nanophosphors for Infrared Mini Light-Emitting Diodes. *Angewandte Chemie*, **2018**, 131, 2091 3.6 3
- 95 Progress and Viewpoints of Multifunctional Composite Nanomaterials for Glioblastoma Theranostics.. *Pharmaceutics*, **2022**, 14, 6.4 3
- 94 Nickel-Metal Hydride (Ni-MH) Rechargeable Batteries **2012**, 175-237 2
- 93 Liquid Redox Rechargeable Batteries **2012**, 279-316 2
- 92 Water Electrolysis for Hydrogen Generation **2012**, 383-423 2
- 91 Photoelectrochemical Cells for Hydrogen Generation **2012**, 541-599 2
- 90 Molten Carbonate Fuel Cells **2012**, 729-775 2
- 89 Hydrides Formed in ZrCo₂ Based Intermetallic Compounds Under High Hydrogen Pressure / Wodoroki Wytwarzane Pod Wysokimi Cisnieniami Wodoru Ze Związków Miedzymetalicznych Na Osnowie ZrCo₂. *Archives of Metallurgy and Materials*, **2013**, 58, 223-226 2
- 88 Calorimetric properties of C14 and C15 YMn₂ and YMn₂(H,D)₆. *International Journal of Hydrogen Energy*, **2011**, 36, 2285-2290 6.7 2
- 87 Enhancement of Zero Resistance Temperature above 90 K and Hole Distribution in (Hg_{0.5}Pb_{0.5})Sr₂(Ca_{0.7}Y_{0.3})Cu₂O_(7-δ) via Chemical Substitution of Ba into Sr Sites. *Inorganic Chemistry*, **1997**, 36, 1378-1382 5.1 2
- 86 Interaction between a cylindrical superconducting impurity and a vortex in a type-II superconductor. *Physica C: Superconductivity and Its Applications*, **1997**, 275, 135-140 1.3 2
- 85 Charge transfer process in Tl₂Ba₂Ca₂Cu₃O₁₀ and Tl₂Ba₂CaCu₂O₈ thin films probed by polarized X-ray absorption spectroscopy. *Chemical Physics Letters*, **1997**, 276, 303-308 2.5 2
- 84 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
- 83 Chemical Control of Underdoped and Overdoped States in Y(Ba₂ - y Sr y)Cu₃O₆ + δ *Journal of Superconductivity and Novel Magnetism*, **1998**, 11, 563-567 2
- 82 A Simplified Synthetic Experiment of YBa₂Cu₃O_{7-x} Superconductor for First-Year Chemistry Laboratory. *Journal of Chemical Education*, **2008**, 85, 825 2.4 2

81	High-resolution XANES study of $\text{Eu}(\text{Ba}_{1-x}\text{R}_x)_2\text{Cu}_3\text{O}_7$ ($\text{R} = \text{Eu}, \text{Pr}$). <i>New Journal of Physics</i> , 2006 , 8, 215-215	2
80	Large positive magnetoresistance effect below Curie temperature in $\text{In}_{1.90}\text{Mn}_{0.1}\text{Sn}_x\text{O}_3$. <i>Journal of Applied Physics</i> , 2007 , 101, 09H121	2.5 2
79	Coulomb Blockade Effect in a Nano-Sized Gold Chain. <i>International Journal of Modern Physics B</i> , 2003 , 17, 3637-3639	1.1 2
78	Electrochemical and in situ XANES studies of a $\text{LiNi}_{0.8}\text{Co}_{0.17}\text{Al}_{0.03}\text{O}_2$ cathode material. <i>Solid State Communications</i> , 2004 , 132, 273-277	1.6 2
77	Chemical control of colossal magnetoresistance in manganites. <i>Materials Chemistry and Physics</i> , 2001 , 72, 281-285	4.4 2
76	Substitution effects in $\text{Bi}_2\text{Sr}_2(\text{Ca}_{1-x}\text{Y}_x)\text{Cu}_2\text{O}_8$ studied by X-ray absorption spectroscopy. <i>Physica C: Superconductivity and Its Applications</i> , 2000 , 341-348, 383-386	1.3 2
75	Superlattice structures between $\text{YBa}_2\text{Cu}_3\text{O}_7$ and $(\text{Pb,Cu})\text{Sr}_2(\text{Ca,Y})\text{Cu}_2\text{O}_7$ high-Tc cuprates. <i>Solid State Sciences</i> , 2000 , 2, 645-649	2
74	Structure and Magnetoresistance of $\text{Pr}_{0.7}(\text{Sr}_{0.3-y}\text{Ca}_y)\text{MnO}_3$. <i>International Journal of Modern Physics B</i> , 1998 , 12, 1763-1771	1.1 2
73	The growth of large-area superconducting $\text{YBa}_2\text{Cu}_3\text{O}_7$ thin films by pulsed laser ablation. <i>Materials Chemistry and Physics</i> , 1996 , 43, 66-69	4.4 2
72	Electronic structure in $(\text{Hg}_{0.5}\text{Pb}_{0.5})\text{Sr}_2(\text{Ca}_{1-x}\text{Y}_x)\text{Cu}_2\text{O}_7$ compounds studied by soft X-ray absorption spectroscopy. <i>Physica C: Superconductivity and Its Applications</i> , 1996 , 272, 180-186	1.3 2
71	A study of the orientation dependence of the ^{63}Cu nuclear magnetic resonance in the $(\text{Tl}_{0.5}\text{Pb}_{0.5})\text{Sr}_2(\text{Ca}_{1-y}\text{Y}_y)\text{Cu}_2\text{O}_7$ system. <i>Physica C: Superconductivity and Its Applications</i> , 1994 , 220, 93-100	1.3 2
70	Tc enhancement of the $(\text{Tl}, \text{Pb}, \text{Bi})\text{Sr-Ca-Cu-O}$ and Tl-Ba-Ca-Cu-O systems. <i>Applied Superconductivity</i> , 1993 , 1, 527-534	2
69	Formation of YBa_2BiO_6 and its effect on the superconductivity in Bi replaced $\text{YBa}_2\text{Cu}_3\text{O}_y$. <i>Physica C: Superconductivity and Its Applications</i> , 1989 , 162-164, 71-72	1.3 2
68	Synthesis, at ambient pressure, of the 80 K superconductor $\text{YBa}_2\text{Cu}_4\text{O}_8$ by triethylammonium oxalate co-precipitation. <i>Journal of the Chemical Society Chemical Communications</i> , 1991 , 664	2
67	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	9.5 2
66	Dimensional and Chemical Control of Colossal Magnetoresistance in New Manganites. <i>Japanese Journal of Applied Physics</i> , 2000 , 39, 473	1.4 2
65	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
64	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

63	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
62	Phosphors for White LEDs 2017 , 181-222		1
61	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
60	Correlated N/O anion orders in melilite phosphors. <i>Journal of Solid State Chemistry</i> , 2020 , 284, 121198	3.3	1
59	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
58	Frontispiece: 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,	16.4	1
57	Introduction to the Basic Properties of Luminescent Materials 2017 , 1-29		1
56	Solar Cell as an Energy Harvesting Device 2012 , 463-539		1
55	Nanostructured Electrocatalyst Synthesis: Fundamental and Methods 79-114		1
54	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
53	Synthesis and characterization of long gold nanorods. <i>IEEJ Transactions on Electrical and Electronic Engineering</i> , 2007 , 2, 468-472	1	1
52	Chemical Control of Hole Distribution and Superconductivity in (Cu,Mo)Sr ₂ (Ce,R)Cu ₂ O _{5+2s} (s = 2, 3; R = Y, La, Nb). <i>Chemistry of Materials</i> , 2006 , 18, 6352-6356	9.6	1
51	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
50	Synthesis and Characterization of Double Perovskites Sr ₂ FeMO ₆ (M = Mo, W). <i>International Journal of Modern Physics B</i> , 2003 , 17, 3500-3502	1.1	1
49	Synthesis and Characterization of Novel Au(core)-Au/Pt Alloy(shell) Nanostructure. <i>Materials Research Society Symposia Proceedings</i> , 2004 , 818, 299		1
48	XANES Study on the Evolution Among Different Copper Species, Cu ^I , Cu ^{II} and Cu ^{III} , in CuBa ₂ YCu ₂ O _{6+z} Upon Oxygen Loading. <i>Journal of Low Temperature Physics</i> , 2003 , 131, 381-386	1.3	1
47	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
46	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

45	Cu K-Edge Study of (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> , 1998 , 12, 3296-3298	1.1	1
44	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
43	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
42	The chemical control of high-T _c superconductivity: Metal-superconductor-insulator transition in (Tl _{1-x} Pb _x)Sr ₂ (Ca _{1-y} Y _y)Cu ₂ O ₇ . <i>Journal of Electronic Materials</i> , 1993 , 22, 1199-1203	1.9	1
41	Growth of high T _c -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
40	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
39	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
38	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
37	Graphene oxide @ nickel phosphate nanocomposites for photocatalytic hydrogen production. <i>Chemical Engineering Journal Advances</i> , 2021 , 6, 100105	3.6	1
36	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	3.6	1
35	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
34	Formation and Near-Infrared Emission of CsPbI Nanoparticles Embedded in CsPbI Crystals. <i>ACS Applied Materials & Interfaces</i> , 2021 , 13, 34742-34751	9.5	1
33	Synergetic effect-triggered performance promotion of Sr _{3-x} Ba _x P ₅ N ₁₀ Cl:Eu ²⁺ phosphors. <i>Journal of Materials Chemistry C</i> , 2021 , 9, 12063-12067	7.1	1
32	A selective drug delivery system based on phospholipid-type nanobubbles for lung cancer therapy. <i>Nanomedicine</i> , 2020 , 15, 2689-2705	5.6	0
31	Lithium Ion Rechargeable Batteries 2012 , 69-109		0
30	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
29	Effective Ru/CNT Cathode for Rechargeable Solid-State Li-CO Batteries. <i>ACS Applied Materials & Interfaces</i> , 2021 , 13, 44266-44273	9.5	0
28	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	

- 27 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
- 26 Characteristics and Properties of A(I,II)M(IV)F6 Fluoride Phosphors **2017**, 371-398
- 25 X-ray Absorption Spectroscopy Approaches to Electronic State and Coordination Type of Lithium Phosphorus Oxynitride Thin Films. *Journal of the Chinese Chemical Society*, **2012**, 59, 1270-1274 1.5
- 24 Introduction to Energy Storage Sub-program of National Science and Technology Program-Energy in Taiwan. *Journal of the Chinese Chemical Society*, **2012**, 59, 1173-1180 1.5
- 23 Electrochemical Engineering Fundamentals **2012**, 45-68
- 22 Hydrogen Compression, Purification, and Storage **2012**, 425-462
- 21 The study of electronic structure in new Hg-based Sr-containing 1212-typed (Hg_{0.5}Pb_{0.5})Sr₂(Ca_{1-x}Y_x)Cu₂O₇ superconductors. *Physica C: Superconductivity and Its Applications*, **1997**, 282-287, 961-962 1.3
- 20 Hole states in oxycarbonate high-T_c superconductor (Tl_{0.8}Cr_{0.2})Sr₄Cu₂(CO₃)O₇ probed by soft X-ray absorption spectroscopy. *Physica C: Superconductivity and Its Applications*, **1997**, 277, 145-151 1.3
- 19 Hole distribution in the underdoped, optimally doped, and overdoped superconductors (Tl_{0.5}Pb_{0.5})Sr₂(Ca_{1-x}Y_x)Cu₂O₇. *Physica C: Superconductivity and Its Applications*, **1997**, 282-287, 981-982 1.3
- 18 Formation of nanostructured cobalt wires with Chinese caterpillar type structure. *Journal of Vacuum Science & Technology B*, **2006**, 24, 1440
- 17 Control of hole distribution through isovalent R-cation substitution in Cu₂Ba₂RCu₂O₈ superconductors. *Applied Physics Letters*, **2007**, 90, 032511 3-4
- 16 Magnetic order and spin fluctuations in Ni-rich Li_{0.9}Ni_{1.1}O₂. *Physica B: Condensed Matter*, **2006**, 385-386, 432-434 2.8
- 15 Hole states of X-Bi₂Sr₂CaCu₂O₈ [X=I, HgI₂, and (Py-CH₃)₂HgI₄] probed by O K-edge X-ray absorption spectroscopy. *Journal of Physics and Chemistry of Solids*, **2006**, 67, 223-226 3.9
- 14 Internal oxidation in Bi_{2.1-x}Pb_xSr_{2-y}Ca_{1-z}Y_y+zCu₂O₈+d solid solutions. *Mendeleev Communications*, **2004**, 14, 181-182 1.9
- 13 Short range magnetic corrections in spinel Li(Mn_{0.976}Co_{0.024})₂O₄. *Journal of Magnetism and Magnetic Materials*, **2004**, 272-276, 833-834 2.8
- 12 'Maturization' of high-T_c precursor powders for use in superconducting tapes. *Physica C: Superconductivity and Its Applications*, **2002**, 372-376, 1167-1170 1.3
- 11 Tuning Pb Content in High-T_c Bi₂Sr₂CaCu₂O₈ Superconductors Studied By X-ray Absorption Near-Edge Structure Spectroscopy. *Journal of Low Temperature Physics*, **2003**, 131, 613-618 1.3
- 10 Superlattice structures in solid solution of high-T_c YBa₂Cu₃O_{7-δ} and (Pb,Cu)Sr₂(Ca,Y)Cu₂O_{7-δ} superconductors. *Journal of Physics and Chemistry of Solids*, **2001**, 62, 1847-1859 3.9

- 9 Flux dynamics and critical currents of high T_c tapes. *Physica C: Superconductivity and Its Applications*, **1994**, 235-240, 3417-3418 1.3
- 8 Superconductivity in Pb-based 1212 cuprates; evidence for under-doping from thermoelectric power. *Solid State Communications*, **1993**, 87, 31-34 1.6
- 7 Coexistence of paramagnetism and superconductivity in (Gd_{0.2}Ca_{0.8})Sr₂(Tl_{0.5}Pb_{0.5})Cu₂O_y. *Physica C: Superconductivity and Its Applications*, **1989**, 162-164, 323-324 1.3
- 6 Rapid calcination and post-annealing of the Bi₂Sr₂Ca₂Cu₂O_z High-T_c superconductor. *Materials Letters*, **1989**, 8, 293-296 3.3
- 5 Superconductivity Above 100 K in Tl-Pb-Ca-R-Sr-Cu-O System. *Molecular Crystals and Liquid Crystals Incorporating Nonlinear Optics*, **1990**, 184, 17-24
- 4 Phosphors for White LEDs **2016**, 1-42
- 3 Study on the surface modification of spinel LiNi_{0.45}Cr_{0.1}Mn_{1.45}O₄. *Journal of Alloys and Compounds*, **2020**, 821, 153418 5.7
- 2 Dual-emission Eu-doped Ca_{2-x}Sr_xPN₃ nitridophosphate phosphors prepared by hot isostatic press. *Journal of Materials Chemistry C*, **2021**, 9, 8158-8162 7.1
- 1 Halide-type Li-ion conductors: Future options for high-voltage all-solid-state batteries. *Journal of the Chinese Chemical Society*, 1.5