Won-Bin Im

List of Publications by Year
in descending order

160 papers	7,407 citations	61984 43 h-index	62596 80 g-index
169 all docs	169 docs citations	169 times ranked	6034 citing authors

#	Article	IF	Citations
1	Oneâ€pot synthesis of SnS ₂ Nanosheets supported on gâ€C ₃ N ₄ as high capacity and stable cycling anode for sodiumâ€ion batteries. International Journal of Energy Research, 2022, 46, 3233-3248.	4.5	6
2	Plasma-resistant characteristics according to sintering conditions of CaOâ€“Al2O3â€“SiO2 glass coating layer. Journal of the Korean Ceramic Society, 2022, 59, 86-93.	2.3	3
3	Detection of cracked teeth using a mechanoluminescence phosphor with a stretchable photodetector array. NPG Asia Materials, 2022, 14, .	7.9	11
4	Correlated Na⁺ Ion Migration Invokes Zero Thermal Quenching in a Sodium Superionic Conductor-type Phosphor. Chemistry of Materials, 2022, 34, 107-115.	6.7	13
5	A polymer/small-molecule binary-blend hole transport layer for enhancing charge balance in blue perovskite light emitting diodes. Journal of Materials Chemistry A, 2022, 10, 13928-13935.	10.3	15
6	Zero-Thermal-Quenching Layered Metal Halide Perovskite. Chemistry of Materials, 2022, 34, 5690-5697.	6.7	23
7	Highly N-doped, H-containing mesoporous carbon with modulated physicochemical properties as high-performance anode materials for Li-ion and Na-ion batteries. Journal of Alloys and Compounds, 2021, 851, 156881.	5.5	14
8	Phosphor in glass using Î²-SiAlON:Eu2+, CaAlSiN3:Eu2+ and Nd-doped silicate glass for enhanced color gamut of white LED. Journal of Alloys and Compounds, 2021, 851, 156945.	5.5	20
9	Zero-thermal-quenching and improved chemical stability of a UCr4C4-type phosphor via crystal site engineering. Chemical Engineering Journal, 2021, 420, 127664.	12.7	21
10	Strategies for improving luminescence efficiencies of blue-emitting metal halide perovskites. Journal of the Korean Ceramic Society, 2021, 58, 28-41.	2.3	18
11	Cdâ€“Sâ€“Se quantum dot embedded glasses with dual emissions for wide color gamut white LED. International Journal of Applied Glass Science, 2021, 12, 415-423.	2.0	6
12	Low-temperature synthesis of Fe2(MoO4)3nanosheets: A cathode for sodium ion batteries with kinetics enhancement. Nano Research, 2021, 14, 3977.	10.4	7
13	Towards green synthesis of Mn4+-doped fluoride phosphors: a review. Journal of Materials Research and Technology, 2021, 11, 181-195.	5.8	28
14	Facile synthesis of SnS2@g-C3N4 composites as high performance anodes for lithium ion batteries. Applied Surface Science, 2021, 549, 149312.	6.1	24
15	Thick freeâ€standing electrode based on carbonâ€“carbon nitride microspheres with large mesopores for highâ€energyâ€density lithiumâ€“sulfur batteries. , 2021, 3, 410-423.		16
16	Sub-micro droplet reactors for green synthesis of Li3VO4 anode materials in lithium ion batteries. Nature Communications, 2021, 12, 3081.	12.8	37
17	Double Encapsulation of CsPbBr₃ Perovskite Nanocrystals with Inorganic Glasses for Robust Color Converters with Wide Color Gamut. ACS Applied Nano Materials, 2021, 4, 7072-7078.	5.0	26
18	Multimodal Digital Xâ€ray Scanners with Synchronous Mapping of Tactile Pressure Distributions using Perovskites. Advanced Materials, 2021, 33, e2008539.	21.0	36

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19	Enhancement of Luminescence Efficiency of Y2O3 Nanophosphor via Core/Shell Structure. Nanomaterials, 2021, 11, 1563.	4.1	5
20	Thirdâ€Order Nonlinear Optical Responseâ€Driven Upconversion Phosphors. Advanced Optical Materials, 2021, 9, 2100549.	7.3	4
21	Back Cover Image, Volume 3, Number 3, July 2021. , 2021, 3, ii.		0
22	Pr3+-doped oxyfluoride glass ceramic as a white LED color converter wide color gamut. Journal of Luminescence, 2021, 236, 118064.	3.1	14
23	Elucidating roles of cation disorder and spinel phase in high-capacity integrated spinel-layered cathodes. Journal of Power Sources, 2021, 507, 230315.	7.8	5
24	Recent Advances and Challenges in Obtaining Stable CsPbX₃ (X = Cl, Br, and I) Nanocrystals Toward White Light-Emitting Applications. ECS Journal of Solid State Science and Technology, 2021, 10, 106001.	1.8	8
25	Electrocatalytic and stoichiometric reactivity of 2D layered siloxene for highâ€energyâ€dense lithiumâ€“sulfur batteries. , 2021, 3, 976-990.		14
26	Mechanoluminescent, Air-Dielectric MoS₂ Transistors as Active-Matrix Pressure Sensors for Wide Detection Ranges from Footsteps to Cellular Motions. Nano Letters, 2020, 20, 66-74.	9.1	80
27	Synthesis of Mn4+ activated Na2SiF6 red-emitting phosphors using an ionic liquid. Journal of Luminescence, 2020, 218, 116835.	3.1	11
28	Critical Reviewâ€”A Promising Cs₃CoCl₅ Prototype Phosphor toward the Discovery of Next-Generation LED Phosphor. ECS Journal of Solid State Science and Technology, 2020, 9, 016016.	1.8	3
29	Facile fabrication of mesoporous carbon from mixed polymer precursor of PVDF and PTFE for high-power supercapacitors. Carbon, 2020, 159, 283-291.	10.3	29
30	Zero reduction luminescence of aqueous-phase alloy core/shell quantum dots via rapid ambient-condition ligand exchange. Journal of Colloid and Interface Science, 2020, 564, 88-98.	9.4	12
31	A new persistent blue-emitting phosphor: Tailoring the trap density for enhancing the persistent time. Applied Materials Today, 2020, 18, 100518.	4.3	19
32	Rechargeable Intermetallic Calciumâ€“Lithiumâ€“O 2 Batteries. ChemSusChem, 2020, 13, 574-581.	6.8	4
33	Narrow-Band SrMgAl₁₀O₁₇:Eu²⁺, Mn²⁺ Green Phosphors for Wide-Color-Gamut Backlight for LCD Displays. ACS Omega, 2020, 5, 19516-19524.	3.5	18
34	Facile Green Synthesis of Pseudocapacitance-Contributed Ultrahigh Capacity Fe₂(MoO₄)₃ as an Anode for Lithium-Ion Batteries. ACS Applied Materials & Interfaces, 2020, 12, 35152-35163.	8.0	25
35	Mechanochemistry as a Green Route: Synthesis, Thermal Stability, and Postsynthetic Reversible Phase Transformation of Highly-Luminescent Cesium Copper Halides. Journal of Physical Chemistry Letters, 2020, 11, 7723-7729.	4.6	55
36	Ant-Cave-Structured Nanopore-Embedded CoMn2O4 Microspheres with Stable Electrochemical Reaction for Li-Air Battery. Journal of the Electrochemical Society, 2020, 167, 080537.	2.9	1

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37	Jahnâ€“Teller distortion-driven robust blue-light-emitting perovskite nanoplatelets. Applied Materials Today, 2020, 20, 100668.	4.3	11
38	Eu2+ and Mn2+ co-doped oxyfluoride glass ceramic for white color conversion of 400Ânm UV-LED. Journal of Luminescence, 2020, 222, 117156.	3.1	15
39	Color conversion properties of various thickâ€ˆfilm phosphorâ€ˆinâ€ˆglasses depending on structural design for white LEDs. Journal of the American Ceramic Society, 2020, 103, 4266-4274.	3.8	5
40	Spinel-layered Li2MnTiO4+ nanofibers as cathode materials for Li-ion batteries. Solid State Sciences, 2020, 103, 106178.	3.2	8
41	Cation-Size Mismatch as a Design Principle for Enhancing the Efficiency of Garnet Phosphors. Chemistry of Materials, 2020, 32, 3097-3108.	6.7	40
42	Effect of Synthesis Temperature on Structure and Electrochemical Performance of Spinel-Layered Li1.33MnTiO4+z in Li-Ion Batteries. Energies, 2020, 13, 2962.	3.1	5
43	Highly Elastic and >200% Reversibly Stretchable Downâ€ˆConversion White Lightâ€ˆEmitting Diodes Based on Quantum Dot Gel Emitters. Advanced Optical Materials, 2020, 8, 1901972.	7.3	23
44	Robust, Brighter Red Emission from CsPbI₃ Perovskite Nanocrystals via Endotaxial Protection. Journal of Physical Chemistry Letters, 2020, 11, 3699-3704.	4.6	25
45	A new mechanoluminescence phosphor Na3Sc2(PO4)3:Eu2+: Phase transition-assisted defect formation in a polymorphic composition. Ceramics International, 2020, 46, 12138-12144.	4.8	10
46	Compositional dependency of Cdâ€Sâ€Se quantum dots within silicate glass on color conversion for a white <scp>LED</scp>. Journal of the American Ceramic Society, 2019, 102, 1703-1709.	3.8	18
47	Molecular Cooperative Assembly-Mediated Synthesis of Ultra-High-Performance Hard Carbon Anodes for Dual-Carbon Sodium Hybrid Capacitors. ACS Nano, 2019, 13, 11935-11946.	14.6	29
48	A nanosheet phosphor of double-layered perovskite with unusual intrananosheet site activator concentration. Chemical Engineering Journal, 2019, 375, 122044.	12.7	9
49	Phase formation and luminescence properties of ternary solid-solution among tetragonal systems. Journal of Alloys and Compounds, 2019, 798, 635-643.	5.5	2
50	Color tunable single-phase Eu²⁺and Ce³⁺co-activated Sr₂LiAlO₄phosphors. Journal of Materials Chemistry C, 2019, 7, 7734-7744.	5.5	26
51	Effects of Fluorine Doping on Electrochemical Performance of Spinel-Layered Li₃Mn₃O_{7.5-}_xF_x as Cathode Materials for Li-Ion Batteries. Journal of the Electrochemical Society, 2019, 166, A1568-A1573.	2.9	16
52	Highly stable hetero-structured green-emitting cesium lead bromide nanocrystals via ligand-mediated phase control. Nanoscale, 2019, 11, 21137-21146.	5.6	12
53	Rational design of electrochemically active polymorphic MnOx/rGO composites for Li+-rechargeable battery electrodes. Ceramics International, 2019, 45, 9522-9528.	4.8	3
54	Mining Unexplored Chemistries for Phosphors for High-Color-Quality White-Light-Emitting Diodes. Joule, 2018, 2, 914-926.	24.0	97

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55	Highly porous coral-like silicon particles synthesized by an ultra-simple thermal-reduction method. Journal of Materials Chemistry A, 2018, 6, 2834-2846.	10.3	31
56	In-situ preparation and unique electrochemical behavior of pore-embedding CoO/Co3O4 intermixed composite for Li+ rechargeable battery electrodes. Journal of Power Sources, 2018, 378, 562-570.	7.8	17
57	Synergic coating and doping effects of Ti-modified integrated layeredâ€“spinel Li_{1.2}Mn_{0.75}Ni_{0.25}O_{2+Î´} as a high capacity and long lifetime cathode material for Li-ion batteries. Journal of Materials Chemistry A, 2018, 6, 2200-2211.	10.3	38
58	Reviewâ€”Phosphor Plates for High-Power LED Applications: Challenges and Opportunities toward Perfect Lighting. ECS Journal of Solid State Science and Technology, 2018, 7, R3134-R3147.	1.8	117
59	Probing molecule-like isolated octahedra via phase stabilization of zero-dimensional cesium lead halide nanocrystals. Nature Communications, 2018, 9, 4691.	12.8	56
60	Highly Luminescent Quantum Dots in Remoteâ€Type Liquidâ€Phase Color Converters for White Lightâ€Emitting Diodes. Advanced Materials Technologies, 2018, 3, 1800235.	5.8	26
61	New melilite (Ca,Sr,Ba)₄MgAl₂Si₃O₁₄:Eu²⁺ phosphor: structural and spectroscopic analysis for application in white LEDs. RSC Advances, 2017, 7, 2025-2032.	3.6	8
62	Processable high internal phase Pickering emulsions using depletion attraction. Nature Communications, 2017, 8, 14305.	12.8	127
63	Hydrophobic Organic Skin as a Protective Shield for Moisture-Sensitive Phosphor-Based Optoelectronic Devices. ACS Applied Materials & Interfaces, 2017, 9, 7232-7240.	8.0	121
64	A zero-thermal-quenching phosphor. Nature Materials, 2017, 16, 543-550.	27.5	748
65	High capacity spinel@layered Li1.5MnTiO4+ as thermally stable core-shell-driven cathode materials for lithium-ion batteries. Journal of Alloys and Compounds, 2017, 704, 459-468.	5.5	13
66	Phosphorâ€inâ€glass thick film formation with low sintering temperature phosphosilicate glass for robust white <scp>LED</scp>. Journal of the American Ceramic Society, 2017, 100, 1280-1284.	3.8	34
67	Template-engaged synthesis of spinel-layered Li1.5MnTiO4+ nanorods as a cathode material for Li-ion batteries. Journal of Power Sources, 2017, 355, 134-139.	7.8	9
68	Engineering the Lattice Site Occupancy of Apatite-Structure Phosphors for Effective Broad-Band Emission through Cation Pairing. Inorganic Chemistry, 2017, 56, 5696-5703.	4.0	16
69	High-performance spinel-rich Li1.5MnTiO4+Î´ ultralong nanofibers as cathode materials for Li-ion batteries. Scientific Reports, 2017, 7, 45579.	3.3	16
70	Effects of excess Li on the structure and electrochemical performance of Li 1+z MnTiO 4+ Î´ cathode for Li-ion batteries. Electrochimica Acta, 2017, 225, 458-466.	5.2	17
71	Colloidal Organolead Halide Perovskite with a High Mn Solubility Limit: A Step Toward Pb-Free Luminescent Quantum Dots. Journal of Physical Chemistry Letters, 2017, 8, 4161-4166.	4.6	90
72	A Phosphosilicate Compound, NaCa₃PSiO₈: Structure Solution and Luminescence Properties. Inorganic Chemistry, 2017, 56, 15130-15137.	4.0	6

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73	A low sintering temperature glass based on SiO₂â€“P₂O₅â€“ZnOâ€“B₂O₃â€“R₂O system for white <scp>LED</scp>s with high color rendering index. Journal of the American Ceramic Society, 2017, 100, 5186-5192.	3.8	24
74	Effect of synthesis temperature on the structural defects of integrated spinel-layered Li_{1.2}Mn_{0.75}Ni_{0.25}O_{2+Î´}: a strategy to develop high-capacity cathode materials for Li-ion batteries. Journal of Materials Chemistry A, 2017, 5, 15730-15742.	10.3	20
75	Structural and Optical Properties of Yellow-Emitting CaGd2ZrSc(AlO4)3:Ce3+ Phosphor for Solid-State Lighting. Journal of the Korean Ceramic Society, 2017, 54, 422-428.	2.3	2
76	Enhanced Optical Properties of Bredigiteâ€Structure Ca_{13.7}Eu_{0.3}Mg₂[SiO₄]₈ Phosphor: Effective Eu Reduction by La Coâ€Doping. Journal of the American Ceramic Society, 2016, 99, 557-563.	3.8	2
77	Improved color rendering index and thermal stability of white LEDs with phosphor-in-glass using the SiO2-B2O3-ZnO-Na2O glass system. Journal of Non-Crystalline Solids, 2016, 445-446, 77-80.	3.1	46
78	Facile one-step fabrication of 2-layered and 4-quadrant type phosphor-in-glass plates for white LEDs: an insight into angle dependent luminescence. Optical Materials Express, 2016, 6, 804.	3.0	40
79	Improved electrochemical reversibility of over-lithiated layered Li 2 RuO 3 cathodes: Understanding aliovalent Co 3+ substitution with excess lithium. Journal of Power Sources, 2016, 324, 428-438.	7.8	30
80	A complete inorganic colour converter based on quantum-dot-embedded silicate glasses for white light-emitting-diodes. Chemical Communications, 2016, 52, 3564-3567.	4.1	34
81	Effective Heat Dissipation from Color-Converting Plates in High-Power White Light Emitting Diodes by Transparent Graphene Wrapping. ACS Nano, 2016, 10, 238-245.	14.6	39
82	Versatile Ca₄F₂Si₂O₇ Host from Defect-Induced Host Emission to White-Light-Emitting Ce³⁺-Doped Ca₄F₂Si₂O₇ Phosphor for Near-UV Solid-State Lighting. Journal of Physical Chemistry C, 2016, 120, 4495-4503.	3.1	32
83	A morphology, porosity and surface conductive layer optimized MnCo₂O₄ microsphere for compatible superior Li⁺ ion/air rechargeable battery electrode materials. Dalton Transactions, 2016, 45, 5064-5070.	3.3	17
84	Structural and luminescent properties of red-emitting SrGe 4 O 9 :Mn 4+ phosphors for white light-emitting diodes with high color rendering index. Journal of Luminescence, 2016, 172, 99-104.	3.1	23
85	Role of Co-Vapors in Vapor Deposition Polymerization. Scientific Reports, 2015, 5, 8420.	3.3	23
86	Control of the plasmon resonance from poly-dispersed silver nanoparticles. Japanese Journal of Applied Physics, 2015, 54, 02BD02.	1.5	1
87	Influence of Ti⁴⁺ on the Electrochemical Performance of Li-Rich Layered Oxides - High Power and Long Cycle Life of Li₂Ru_{1â€“x}Ti_xO₃ Cathodes. ACS Applied Materials & Interfaces, 2015, 7, 7118-7128.	8.0	34
88	Crystal Structure and Photoluminescence Evolution of La₅(Si_{2+x}B_{1â€“x})(O_{13â€“x}N_x)₃:Ce³⁺ Solid Solution Phosphors. Journal of Physical Chemistry C, 2015, 119, 9488-9495.	4.1	37
89	Film formation of CdSe quantum dot embedded phosphate glass on an FTO glass substrate. Electronic Materials Letters, 2015, 11, 670-674.	2.2	0
90	Facile fabrication of moisture resistance and thermally stable SrGa2S4:Eu2+ phosphor-in-glass microcubes for white LED. Ceramics International, 2015, 41, 5200-5204.	4.8	25

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91	Tuning the diurnal natural daylight with phosphor converted white LED â€“ Advent of new phosphor blend composition. Materials Science and Engineering B: Solid-State Materials for Advanced Technology, 2015, 193, 4-12.	3.5	18
92	Blue and orange emission from Ce3+ and Yb2+ doped KNa3Al4Si4O16 phosphor: A detailed study of the luminescence mechanism. Journal of Alloys and Compounds, 2015, 618, 718-723.	5.5	6
93	Phosphor in glass with Eu3+ and Pr3+-doped silicate glasses for LED color conversion. Optical Materials, 2015, 41, 67-70.	3.6	64
94	Control of chromaticity by phosphor in glasses with low temperature sintered silicate glasses for LED applications. Optics Letters, 2014, 39, 4084.	3.3	87
95	Narsarsukite-structure fluorosilicate as a blue component for white LEDs: structural and optical properties. Optics Letters, 2014, 39, 4887.	3.3	1
96	Full-color-emitting CaYAl3O7:Pr3+,Ce3+ phosphor for near-UV LED-based white light. Journal of Luminescence, 2014, 152, 176-181.	3.1	30
97	A rapid polyol combustion strategy towards scalable synthesis of nanostructured LiFePO4/C cathodes for Li-ion batteries. Journal of Solid State Electrochemistry, 2014, 18, 1557-1567.	2.5	23
98	Enhanced Luminescence of <scp><scp>Ca</scp></scp>₁₄<scp><scp>Mg</scp></scp>₂<scp><scp>Si</scp></scp>₈<scp> by Codoping <scp><scp>Ce</scp></scp>³⁺, <scp><scp>Mn</scp></scp>²⁺ for White <scp>LED</scp>s and Their Energyâ€Transfer Mechanism. Journal of the American Ceramic Society, 2014, 97, 874-879.	3.8	20
99	Intrinsically conductive polymer binders for electrochemical capacitor application. RSC Advances, 2014, 4, 27939-27945.	3.6	31
100	A New Blue-Emitting Oxohalide Phosphor Sr₄OCl₆:Eu²⁺ for Thermally Stable, Efficient White-Light-Emitting Devices under Near-UV. Journal of Physical Chemistry C, 2014, 118, 2686-2692.	3.1	118
101	Preparation and electrochemical characterization of flower-like Li1.2Ni0.17Co0.17Mn0.5O2 microstructure cathode by electrospinning. Ceramics International, 2014, 40, 2029-2034.	4.8	12
102	Smart design to resolve spectral overlapping of phosphor-in-glass for high-powered remote-type white light-emitting devices. Optics Letters, 2014, 39, 762.	3.3	94
103	Morphological effects on the electrochemical performance of lithium-rich layered oxide cathodes, prepared by electrospinning technique, for lithium-ion battery applications. Materials Characterization, 2014, 92, 118-126.	4.4	16
104	Stacked Quantum Dot Embedded Silica Film on a Phosphor Plate for Superior Performance of White Light-Emitting Diodes. ACS Applied Materials & Interfaces, 2014, 6, 5744-5748.	8.0	66
105	Comparative study of optical and structural properties of electrospun 1-dimensional CaYAl 3 O 7 :Eu 3+ nanofibers and bulk phosphor. Materials Characterization, 2014, 95, 27-35.	4.4	20
106	Pyro-synthesis of a high rate nano-Li3V2(PO4)3/C cathode with mixed morphology for advanced Li-ion batteries. Scientific Reports, 2014, 4, 4047.	3.3	57
107	Rare earth doped silicate-oxyfluoride glass ceramics incorporating LaF3 nano-crystals for UV-LED color conversion. Optical Materials, 2013, 35, 2034-2038.	3.6	26
108	Crystal Structural Study of Ho-doped Ceria Using X-ray Powder Diffraction Data. Journal of Electroceramics, 2013, 31, 254-259.	2.0	11

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109	Rare earth dependent formation of PbF2 nanocrystals and its effect on the emission properties in oxyfluoride glasses. Metals and Materials International, 2013, 19, 347-352.	3.4	2
110	Facile Synthesis of Electrospun Li_{1.2}Ni_{0.17}Co_{0.17}Mn_{0.5}O₂ Nanofiber and Its Enhanced High-Rate Performance for Lithium-Ion Battery Applications. ACS Applied Materials & Interfaces, 2013, 5, 7765-7769.	8.0	61
111	Doped Lanthanum Nickelates with a Layered Perovskite Structure as Bifunctional Cathode Catalysts for Rechargeable Metalâ€“Air Batteries. ACS Applied Materials & Interfaces, 2013, 5, 9902-9907.	8.0	146
112	Color-tunable binary solid-solution phosphor, (Sr3SiO5)1â^'x(Sr3AlO4F)x, for white LEDs: Energy transfer mechanism between Ce3+ and Tb3+. Journal of Alloys and Compounds, 2013, 555, 297-303.	5.5	20
113	Simple, robust metal fluoride coating on layered Li1.23Ni0.13Co0.14Mn0.56O2 and its effects on enhanced electrochemical properties. Electrochimica Acta, 2013, 100, 10-17.	5.2	23
114	Preparation of Electrospun Pyrochlore-Structure KGdTa₂O₇:Eu³⁺ Phosphor: The Optical and Structural Properties for White Light Emitting Diode Applications. Journal of Nanoscience and Nanotechnology, 2013, 13, 7850-7854.	0.9	1
115	Energy Transfer in Sr₂MgSi₂O₇:Eu²⁺ Phosphors in Nano Scale and Their Application to Solid State Lighting with Excellent Color Rendering. Journal of Nanoscience and Nanotechnology, 2013, 13, 4079-4083.	0.9	11
116	Robust moisture and thermally stable phosphor glass plate for highly unstable sulfide phosphors in high-power white light-emitting diodes. Optics Letters, 2013, 38, 3298.	3.3	57
117	Tunable emission from blue to white light in single-phase Na_034Ca_(066-x_-y_)Al_166Si_234O_8: xEu^2+,yMn^2+ (x = 007) phosphor for white-light UV LEDs. Optics Express, 2013, 21, 3287.	3.4	28
118	Efficiency Enhancement of Bredigiteâ€Structure <scp><scp>Ca</scp></scp>₁₄<scp><scp>Mg</scp></scp>₂[<scp><scp>SiO</scp></scp><sub>4</sub]<su Phosphor via Partial Nitridation for Solidâ€State Lighting Applications. Journal of the American Ceramic Society, 2013, 96, 503-508.	3.8	19
119	Efficiency and Thermal Stability Enhancements of Sr$_{2}$SiO$_{4}$:Eu^{2+} Phosphor via Bi^{3+} Codoping for Solid-State White Lighting. Japanese Journal of Applied Physics, 2012, 51, 022602.	1.5	8
120	Bredigite-structure orthosilicate phosphor as a green component for white LED: the structural and optical properties. Optics Express, 2012, 20, 6248.	3.4	32
121	Melilite-Structure CaYAl₃O₇:Eu³⁺ Phosphor: Structural and Optical Characteristics for Near-UV LED-Based White Light. Journal of Physical Chemistry C, 2012, 116, 26850-26856.	3.1	114
122	Bredigite-structure Ca14Mg2[SiO4]8:Eu2+,Mn2+: A tunable greenâ€“red-emitting phosphor with efficient energy transfer for solid-state lighting. Acta Materialia, 2012, 60, 5783-5790.	7.9	38
123	Phosphor in glasses with Pb-free silicate glass powders as robust color-converting materials for white LED applications. Optics Letters, 2012, 37, 3276.	3.3	174
124	Near UV-pumped yellow-emitting Eu2+-doped Na3K(Si1â^'xAlx)8O16Â±Î´ phosphor for white-emitting LEDs. Journal of Materials Chemistry, 2012, 22, 8793.	6.7	100
125	Novel Blue-Emitting Na_xCa_{1-x}Al_{2-x}Si_{2+x}O₈:Eu²⁺ (x = 0.34) Phosphor with High Luminescent Efficiency for UV-Pumped Light-Emitting Diodes. Inorganic Chemistry, 2012, 51, 10688-10694.	4.0	153
126	Fully activated Li2MnO3 nanoparticles by oxidation reaction. Journal of Materials Chemistry, 2012, 22, 11772.	6.7	63

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127	Promoting Li2O2 oxidation by an La1.7Ca0.3Ni0.75Cu0.25O4 layered perovskite in lithiumâ€“oxygen batteries. Chemical Communications, 2012, 48, 9406.	4.1	58
128	New full-color-emitting phosphor, Eu2+-doped Na2â^'xAl2â^'xSixO4 (0 â‰¤x≤ 1), obtained using phase transitions for solid-state white lighting. Journal of Materials Chemistry, 2012, 22, 5374.	6.7	64
129	La-doped SrTiO3 interconnect materials for anode-supported flat-tubular solid oxide fuel cells. International Journal of Hydrogen Energy, 2012, 37, 4319-4327.	7.1	38
130	Efficiency and Thermal Stability Enhancements of Sr₂SiO₄:Eu²⁺Phosphor via Bi³⁺Codoping for Solid-State White Lighting. Japanese Journal of Applied Physics, 2012, 51, 022602.	1.5	4
131	Efficient and Colorâ€Tunable Oxyfluoride Solid Solution Phosphors for Solidâ€State White Lighting. Advanced Materials, 2011, 23, 2300-2305.	21.0	311
132	Preferential Site of Gd in Gd-Doped Fe₃O₄ Nanopowder. Journal of Nanoscience and Nanotechnology, 2011, 11, 810-814.	0.9	11
133	Combined Rietveld refinement of Zn2SiO4:Mn2+ using X-ray and neutron powder diffraction data. Nuclear Instruments & Methods in Physics Research B, 2010, 268, 346-351.	1.4	23
134	Continuous nano-coating of Y2O3:Eu3+ phosphor shell on SiO2 core particles and its photoluminescence properties. Journal of Luminescence, 2010, 130, 153-156.	3.1	44
135	Sr_{2.975â^'x}Ba_xCe_{0.025}AlO₄F: a Highly Efficient Green-Emitting Oxyfluoride Phosphor for Solid State White Lighting. Chemistry of Materials, 2010, 22, 2842-2849.	6.7	227
136	La₄LiAuO₈ and La₂BaPdO₅: Comparing Two Highly Stable d⁸ Square-Planar Oxides. Inorganic Chemistry, 2010, 49, 4670-4680.	4.0	18
137	A novel blue-emitting silica-coated KBaPO4:Eu2+ phosphor under vacuum ultraviolet and ultraviolet excitation. Materials Chemistry and Physics, 2009, 115, 161-164.	4.0	60
138	Luminescent and Structural Properties of (Sr_{1â^'x},Ba_x)₃MgSi₂O₈:Eu²⁺: Effects of Ba Content on the Eu²⁺ Site Preference for Thermal Stability. Inorganic Chemistry, 2009, 48, 557-564.	4.0	65
139	Luminescence Properties and Energy Transfer of Site-Sensitive Ca_{6â^'xâ^'y}Mg_{xâ^'z}(PO₄)₄:Eu_y<sup> Phosphors and Their Application to Near-UV LED-Based White LEDs. Inorganic Chemistry, 2009, 48, 11525-11532.	4.0	187
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141	Probing local structure in the yellow phosphor LaSr2AlO5â€‰:â€‰Ce3+, by the maximum entropy method and pair distribution function analysis. Journal of Materials Chemistry, 2009, 19, 8761.	6.7	42
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#	Article	IF	Citations
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