

Young Rag Do

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ext. papers

6,626
ext. citations

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avg, IF

5.83
L-index

#	Paper	IF	Citations
174	Photocatalytic Behavior of WO ₃ -Loaded TiO ₂ in an Oxidation Reaction. <i>Journal of Catalysis</i> , 2000 , 191, 192-199	7.3	381
173	A high-extraction-efficiency nanopatterned organic light-emitting diode. <i>Applied Physics Letters</i> , 2003 , 82, 3779-3781	3.4	280
172	Healthy, natural, efficient and tunable lighting: four-package white LEDs for optimizing the circadian effect, color quality and vision performance. <i>Light: Science and Applications</i> , 2014 , 3, e141-e141	16.7	267
171	Enhanced Light Extraction from Organic Light-Emitting Diodes with 2D SiO ₂ /SiN _x Photonic Crystals. <i>Advanced Materials</i> , 2003 , 15, 1214-1218	24	202
170	Optical Properties of Three-Band White Light Emitting Diodes. <i>Journal of the Electrochemical Society</i> , 2003 , 150, H57	3.9	186
169	The Effect of WO ₃ on the Photocatalytic Activity of TiO ₂ . <i>Journal of Solid State Chemistry</i> , 1994 , 108, 198-201	3.3	179
168	Enhanced light extraction efficiency from organic light emitting diodes by insertion of a two-dimensional photonic crystal structure. <i>Journal of Applied Physics</i> , 2004 , 96, 7629-7636	2.5	174
167	Study of Perovskite QD Down-Converted LEDs and Six-Color White LEDs for Future Displays with Excellent Color Performance. <i>ACS Applied Materials & Interfaces</i> , 2016 , 8, 18189-200	9.5	134
166	Synthesis of narrow-band red-emitting K ₂ SiF ₆ :Mn ⁴⁺ phosphors for a deep red monochromatic LED and ultrahigh color quality warm-white LEDs. <i>Journal of Materials Chemistry C</i> , 2015 , 3, 607-615	7.1	129
165	Comparisons of the structural and optical properties of o-AgInS ₂ , t-AgInS ₂ , and c-AgIn ₅ S ₈ nanocrystals and their solid-solution nanocrystals with ZnS. <i>Journal of Materials Chemistry</i> , 2012 , 22, 18939		114
164	Synthesis and characterization of green Zn-Ag-In-S and red Zn-Cu-In-S quantum dots for ultrahigh color quality of down-converted white LEDs. <i>ACS Applied Materials & Interfaces</i> , 2015 , 7, 7342-50	9.5	109
163	Performance Improvement of Quantum Dot-Light-Emitting Diodes Enabled by an Alloyed ZnMgO Nanoparticle Electron Transport Layer. <i>Chemistry of Materials</i> , 2015 , 27, 197-204	9.6	107
162	Synthesis of color-tunable CuInGaS solid solution quantum dots with high quantum yields for application to white light-emitting diodes. <i>Journal of Materials Chemistry</i> , 2012 , 22, 21901		100
161	Evaluation of new color metrics: guidelines for developing narrow-band red phosphors for WLEDs. <i>Journal of Materials Chemistry C</i> , 2016 , 4, 8326-8348	7.1	91
160	Coaxial RuO ₂ /TiO ₂ nanopillars for transparent supercapacitor application. <i>Langmuir</i> , 2014 , 30, 1704-9	4	83
159	Efficient and Stable CsPbBr ₃ Quantum-Dot Powders Passivated and Encapsulated with a Mixed Silicon Nitride and Silicon Oxide Inorganic Polymer Matrix. <i>ACS Applied Materials & Interfaces</i> , 2018 , 10, 11756-11767	9.5	81
158	High-efficiency red electroluminescent device based on multishelled InP quantum dots. <i>Optics Letters</i> , 2016 , 41, 3984-7	3	77

157	Toward scatter-free phosphors in white phosphor-converted light-emitting diodes. <i>Optics Express</i> , 2012 , 20, 10218-28	3.3	76
156	Analysis of the factors governing the enhanced photoluminescence brightness of Li-doped Y2O3:Eu thin-film phosphors. <i>Applied Physics Letters</i> , 2006 , 89, 131915	3.4	71
155	Fabrication of wafer-scale polystyrene photonic crystal multilayers via the layer-by-layer scooping transfer technique. <i>Journal of Materials Chemistry</i> , 2011 , 21, 14167		69
154	Analysis of circadian properties and healthy levels of blue light from smartphones at night. <i>Scientific Reports</i> , 2015 , 5, 11325	4.9	65
153	Enhanced forward efficiency of Y3Al5O12:Ce3+ phosphor from white light-emitting diodes using blue-pass yellow-reflection filter. <i>Optics Express</i> , 2009 , 17, 7450-7	3.3	62
152	Low-Temperature-Processed 9% Colloidal Quantum Dot Photovoltaic Devices through Interfacial Management of p-n Heterojunction. <i>Advanced Energy Materials</i> , 2016 , 6, 1502146	21.8	58
151	Analysis of wide color gamut of green/red bilayered freestanding phosphor film-capped white LEDs for LCD backlight. <i>Optics Express</i> , 2015 , 23, A791-804	3.3	57
150	Hydrothermal/Electrochemical Synthesis of ZnO Nanorods. <i>Crystal Growth and Design</i> , 2009 , 9, 3615-3620	3.5	57
149	Optical properties of sol-gel derived Y2O3:Eu3+ thin-film phosphors for display applications. <i>Thin Solid Films</i> , 2007 , 515, 3373-3379	2.2	57
148	Luminescence Properties of Potential Sr[_{1-x}]Ca[_x]Ga[₂]S[₄]:Eu Green- and Greenish-Yellow-Emitting Phosphors for White LED. <i>Journal of the Electrochemical Society</i> , 2006 , 153, H142	3.9	50
147	Photoluminescence of Band Gap States in AgInS2 Nanoparticles. <i>Journal of Physical Chemistry C</i> , 2014 , 118, 25677-25683	3.8	49
146	Surface-plasmon-enhanced band emission of ZnO nanoflowers decorated with Au nanoparticles. <i>Chemistry - A European Journal</i> , 2012 , 18, 7467-72	4.8	48
145	Planarized SiNx/spin-on-glass photonic crystal organic light-emitting diodes. <i>Applied Physics Letters</i> , 2006 , 89, 173502	3.4	48
144	InP-Based Quantum Dots Having an InP Core, Composition-Gradient ZnSeS Inner Shell, and ZnS Outer Shell with Sharp, Bright Emissivity, and Blue Absorptivity for Display Devices. <i>ACS Applied Nano Materials</i> , 2020 , 3, 1972-1980	5.6	44
143	Selecting Morphology of Y3Al5O12:Ce3+ Phosphors for Minimizing Scattering Loss in the pc-LED Package. <i>Journal of the Electrochemical Society</i> , 2012 , 159, J96-J106	3.9	44
142	Nanohole-templated organic light-emitting diodes fabricated using laser-interfering lithography: moth-eye lighting. <i>Optics Express</i> , 2005 , 13, 1598-603	3.3	44
141	Light stamping lithography: microcontact printing without inks. <i>Journal of the American Chemical Society</i> , 2006 , 128, 858-65	16.4	43
140	Effect of corrugated substrates on light extraction efficiency and the mechanism of growth in pulsed laser deposited Y2O3:Eu3+ thin-film phosphors. <i>Applied Physics Letters</i> , 2004 , 85, 55-57	3.4	43

139	Tunable White Fluorescent Copper Gallium Sulfide Quantum Dots Enabled by Mn Doping. <i>ACS Applied Materials & Interfaces</i> , 2016 , 8, 12291-7	9.5	43
138	Highly efficient wide-color-gamut QD-emissive LCDs using red and green perovskite core/shell QDs. <i>Journal of Materials Chemistry C</i> , 2018 , 6, 13023-13033	7.1	43
137	Spatially Separated ZnO Nanopillar Arrays on Pt/Si Substrates Prepared by Electrochemical Deposition. <i>Journal of Physical Chemistry C</i> , 2007 , 111, 11793-11801	3.8	42
136	Enhancement of photocatalytic activity of titanium (IV) oxide with molybdenum (VI) oxide. <i>Materials Research Bulletin</i> , 1993 , 28, 1127-1134	5.1	41
135	Phosphor Converted Three-Band White LED. <i>Bulletin of the Korean Chemical Society</i> , 2004 , 25, 1585-1588	2.2	41
134	Realization of InP/ZnS quantum dots for green, amber and red down-converted LEDs and their color-tunable, four-package white LEDs. <i>Journal of Materials Chemistry C</i> , 2015 , 3, 3582-3591	7.1	40
133	Shallow and Deep Trap State Passivation for Low-Temperature Processed Perovskite Solar Cells. <i>ACS Energy Letters</i> , 2020 , 5, 1396-1403	20.1	40
132	Hybrid 2D photonic crystal-assisted Lu ₃ Al ₅ O ₁₂ :Ce ceramic-plate phosphor and free-standing red film phosphor for white LEDs with high color-rendering index. <i>ACS Applied Materials & Interfaces</i> , 2015 , 7, 4549-59	9.5	40
131	Fabrication and characterization of large-scale multifunctional transparent ITO nanorod films. <i>Journal of Materials Chemistry A</i> , 2013 , 1, 5860	13	40
130	Enhanced extraction efficiency of Y ₂ O ₃ :Eu ³⁺ thin-film phosphors coated with hexagonally close-packed polystyrene nanosphere monolayers. <i>Applied Physics Letters</i> , 2007 , 91, 041907	3.4	40
129	Far-field radiation of photonic crystal organic light-emitting diode. <i>Optics Express</i> , 2005 , 13, 5864-70	3.3	39
128	Highly efficient phosphor-converted white organic light-emitting diodes with moderate microcavity and light-recycling filters. <i>Optics Express</i> , 2010 , 18, 1099-104	3.3	38
127	Circadian-tunable Perovskite Quantum Dot-based Down-Converted Multi-Package White LED with a Color Fidelity Index over 90. <i>Scientific Reports</i> , 2017 , 7, 2808	4.9	37
126	Highly Efficient Green Zn _{0.9} Ag _{0.1} In _{0.5} S/Zn _{0.9} In _{0.1} S/ZnS QDs by a Strong Exothermic Reaction for Down-Converted Green and Tripackage White LEDs. <i>Advanced Functional Materials</i> , 2017 , 27, 1602638	15.6	37
125	New paradigm of multi-chip white LEDs: combination of an InGaN blue LED and full down-converted phosphor-converted LEDs. <i>Optics Express</i> , 2011 , 19 Suppl 3, A270-9	3.3	37
124	2D SiN _x photonic crystal coated Y ₃ Al ₅ O ₁₂ :Ce ³⁺ ceramic plate phosphor for high-power white light-emitting diodes. <i>Optics Express</i> , 2011 , 19, 25593-601	3.3	37
123	Bulk heterojunction formation between indium tin oxide nanorods and CuInS ₂ nanoparticles for inorganic thin film solar cell applications. <i>ACS Applied Materials & Interfaces</i> , 2012 , 4, 849-53	9.5	36
122	Optical Properties of Potassium Europium Tungstate Phosphors. <i>Journal of the Electrochemical Society</i> , 2000 , 147, 4385	3.9	36

121	Photoluminescence properties of Al ₃ Gd ₂ B ₄ O ₁₂ :Eu phosphors. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , 2000 , 78, 28-31	3.1	35
120	Color-tunable Ag-In-Zn-S quantum-dot light-emitting devices realizing green, yellow and amber emissions. <i>Journal of Materials Chemistry C</i> , 2017 , 5, 953-959	7.1	34
119	Fabrication of a white electroluminescent device based on bilayered yellow and blue quantum dots. <i>Nanoscale</i> , 2015 , 7, 5363-70	7.7	33
118	Uniform and continuous Y ₂ O ₃ coating on ZnS phosphors. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , 2000 , 76, 122-126	3.1	33
117	Stable and Colorful Perovskite Solar Cells Using a Nonperiodic SiO/TiO Multi-Nanolayer Filter. <i>ACS Nano</i> , 2019 , 13, 10129-10139	16.7	32
116	Improved output coupling efficiency of a ZnS:Mn thin-film electroluminescent device with addition of a two-dimensional SiO ₂ corrugated substrate. <i>Applied Physics Letters</i> , 2003 , 82, 4172-4174	3.4	32
115	Color-by-blue display using blue quantum dot light-emitting diodes and green/red color converting phosphors. <i>Optics Express</i> , 2014 , 22 Suppl 2, A511-20	3.3	31
114	Superhydrophobicity of 2D SiO ₂ hierarchical micro/nanorod structures fabricated using a two-step micro/nanosphere lithography. <i>Journal of Materials Chemistry</i> , 2012 , 22, 14035		31
113	Al ₂ O ₃ Nanoencapsulation of BaMgAl ₁₀ O ₁₇ :Eu ²⁺ Phosphors for Improved Aging Properties in Plasma Display Panels. <i>Journal of the Electrochemical Society</i> , 2004 , 151, H210	3.9	31
112	Utilization of All Hydrothermally Synthesized Red, Green, Blue Nanophosphors for Fabrication of Highly Transparent Monochromatic and Full-Color Plasma Display Devices. <i>Advanced Functional Materials</i> , 2012 , 22, 1885-1893	15.6	30
111	Deep blue, efficient, moderate microcavity organic light-emitting diodes. <i>Organic Electronics</i> , 2010 , 11, 137-145	3.5	30
110	Wafer-Scale Growth of ITO Nanorods by Radio Frequency Magnetron Sputtering Deposition. <i>Journal of the Electrochemical Society</i> , 2011 , 158, K131	3.9	29
109	Color-by-Blue QD-Emissive LCD Enabled by Replacing RGB Color Filters with Narrow-Band GR InP/ZnSeS/ZnS QD Films. <i>Advanced Optical Materials</i> , 2018 , 6, 1701239	8.1	28
108	Uniform Nanoscale SiO ₂ Encapsulation of ZnS Phosphors for Improved Aging Properties under Low Voltage Electron Beam Excitation. <i>Journal of the Electrochemical Society</i> , 2001 , 148, G548	3.9	28
107	Wafer-scale colloidal lithography based on self-assembly of polystyrene nanospheres and atomic layer deposition. <i>Journal of Materials Chemistry</i> , 2010 , 20, 5025		26
106	Facile synthesis and size control of spherical aggregates composed of Cu ₂ O nanoparticles. <i>Journal of Colloid and Interface Science</i> , 2010 , 342, 198-201	9.3	26
105	Systematic and Extensive Emission Tuning of Highly Efficient CuInS ₂ -Based Quantum Dots from Visible to Near Infrared. <i>Chemistry of Materials</i> , 2019 , 31, 2627-2634	9.6	25
104	. <i>IEEE Photonics Journal</i> , 2014 , 6, 1-10	1.8	25

103	Fabrication of wafer-scale TiO ₂ nanobowl arrays via a scooping transfer of polystyrene nanospheres and atomic layer deposition for their application in photonic crystals. <i>Journal of Materials Chemistry C</i> , 2013 , 1, 1732	7.1	25
102	Excellent color rendering indexes of multi-package white LEDs. <i>Optics Express</i> , 2012 , 20, 20276-85	3.3	25
101	Band-Gap States of AgIn ₅ S ₈ and ZnS/AgIn ₅ S ₈ Nanoparticles. <i>Journal of Physical Chemistry C</i> , 2017 , 121, 3149-3155	3.8	24
100	Thin SiO ₂ coating on ZnS phosphors for improved low-voltage cathodoluminescence properties. <i>Journal of Materials Research</i> , 2000 , 15, 2288-2291	2.5	24
99	Sn ²⁺ containing glass matrix for the fabrication of phosphor-in-glass for use in high power LEDs. <i>RSC Advances</i> , 2016 , 6, 111640-111647	3.7	23
98	High-efficiency blue and white electroluminescent devices based on non-Cd III-VI quantum dots. <i>Nano Energy</i> , 2019 , 63, 103869	17.1	23
97	Colloidal synthesis of Cu ₂ SnSe ₃ nanocrystals. <i>Materials Letters</i> , 2010 , 64, 2043-2045	3.3	23
96	Multiple-Color-Generating Cu(In,Ga)(S,Se) Thin-Film Solar Cells via Dichroic Film Incorporation for Power-Generating Window Applications. <i>ACS Applied Materials & Interfaces</i> , 2017 , 9, 14817-14826	9.5	22
95	Various nanofabrication approaches towards two-dimensional photonic crystals for ceramic plate phosphor-capped white light-emitting diodes. <i>Journal of Materials Chemistry C</i> , 2014 , 2, 7513	7.1	22
94	Highly-efficient, tunable green, phosphor-converted LEDs using a long-pass dichroic filter and a series of orthosilicate phosphors for tri-color white LEDs. <i>Optics Express</i> , 2012 , 20, A1-12	3.3	22
93	Effects of symmetry, shape, and structural parameters of two-dimensional SiN _x photonic crystal on the extracted light from Y ₂ O ₃ :Eu ³⁺ film. <i>Journal of Applied Physics</i> , 2009 , 105, 043103	2.5	22
92	Fabrication of wafer-scale free-standing quantum dot/polymer nanohybrid films for white-light-emitting diodes using an electrospray method. <i>Journal of Materials Chemistry C</i> , 2014 , 2, 10439-10445	7.1	21
91	Horizontally assembled green InGaN nanorod LEDs: scalable polarized surface emitting LEDs using electric-field assisted assembly. <i>Scientific Reports</i> , 2016 , 6, 28312	4.9	21
90	Enhanced Light Extraction from SrGa ₂ S ₄ :Eu ²⁺ Film Phosphors Coated with Various Sizes of Polystyrene Nanosphere Monolayers. <i>Journal of Physical Chemistry C</i> , 2008 , 112, 7594-7598	3.8	20
89	Application of photoluminescence phosphors to a phosphor-liquid crystal display. <i>Journal of Applied Physics</i> , 2000 , 88, 4660	2.5	20
88	Vertical Growth of ZnO Nanorods Prepared on an ITO-Coated Glass Substrate by Hydrothermal-Electrochemical Deposition. <i>Journal of the Electrochemical Society</i> , 2012 , 159, D355-D361	3.9	19
87	The variation of the enhanced photoluminescence efficiency of Y ₂ O ₃ :Eu ³⁺ films with the thickness to the photonic crystal layer. <i>Optics Express</i> , 2008 , 16, 5689-96	3.3	19
86	The realization of a whole palette of colors in a green gap by monochromatic phosphor-converted light-emitting diodes. <i>Optics Express</i> , 2011 , 19, 4188-98	3.3	18

85	Lowering Color Temperature of Y ₃ Al ₅ O ₁₂ :Ce ³⁺ White Light Emitting Diodes Using Reddish Light-Recycling Filter. <i>Electrochemical and Solid-State Letters</i> , 2010 , 13, J5		18
84	Full down-conversion of amber-emitting phosphor-converted light-emitting diodes with powder phosphors and a long-wave pass filter. <i>Optics Express</i> , 2010 , 18, 11063-72	3.3	18
83	Structural effect of a two-dimensional SiO ₂ photonic crystal layer on extraction efficiency in sputter-deposited Y ₂ O ₃ :Eu ³⁺ thin-film phosphors. <i>Journal of Applied Physics</i> , 2007 , 102, 013509	2.5	18
82	A near-ideal color rendering white solid-state lighting device copackaged with two color-separated Cu ₂ S (X = Ga, In) quantum dot emitters. <i>Journal of Materials Chemistry C</i> , 2017 , 5, 6755-6761	7.1	17
81	Preparation with laser ablation and photoluminescence of Y ₃ Al ₅ O ₁₂ :Ce nanophosphors. <i>Electronic Materials Letters</i> , 2014 , 10, 461-465	2.9	17
80	Polarized white light from LEDs using remote-phosphor layer sandwiched between reflective polarizer and light-recycling dichroic filter. <i>Optics Express</i> , 2013 , 21 Suppl 5, A765-73	3.3	17
79	Solution-processed fabrication of highly transparent mono- and tri-colored quantum dot-light-emitting diodes. <i>Organic Electronics</i> , 2017 , 45, 145-150	3.5	16
78	Origin of highly efficient photoluminescence in AgInS nanoparticles. <i>Nanoscale</i> , 2017 , 9, 10285-10291	7.7	16
77	High-Color-Quality Multipackage Phosphor-Converted LEDs for Yellow Photolithography Room Lamp. <i>IEEE Photonics Journal</i> , 2015 , 7, 1-8	1.8	16
76	Newly Developed Broadband Antireflective Nanostructures by Coating a Low-Index MgF ₂ Film onto a SiO ₂ Moth-Eye Nanopattern. <i>ACS Applied Materials & Interfaces</i> , 2020 , 12, 10626-10636	9.5	16
75	Enhanced Light Extraction Efficiency in Pulse Laser Deposited Gd ₂ O ₃ : Eu ³⁺ + Thin-Film Phosphors on 2-D PCLs. <i>Electrochemical and Solid-State Letters</i> , 2005 , 8, H43-H45		16
74	Simultaneous Improvement of Charge Generation and Extraction in Colloidal Quantum Dot Photovoltaics Through Optical Management. <i>Advanced Functional Materials</i> , 2015 , 25, 6241-6249	15.6	15
73	Structural templating and growth behavior of copper phthalocyanine thin films deposited on a polycrystalline perylene-tetracarboxylic dianhydride layer. <i>Journal of Applied Physics</i> , 2011 , 109, 063507	2.5	15
72	The Effect of Annealing Temperature on the CL Properties of Sol-Gel Derived Y ₂ O ₃ :Re (Re=Eu ³⁺ ,Tb ³⁺ ,Tm ³⁺) Phosphors. <i>Journal of the Electrochemical Society</i> , 2007 , 154, J2723-9	2.9	15
71	Strong perturbation of the guided light within Y ₂ O ₃ :Eu ³⁺ thin-film phosphors coated with two-dimensional air-hole photonic crystal arrays. <i>Applied Physics Letters</i> , 2007 , 91, 231908	3.4	15
70	Synthesis of widely emission-tunable Ag ₂ S and its quaternary derivative quantum dots. <i>Chemical Engineering Journal</i> , 2018 , 347, 791-797	14.7	14
69	Effective surface passivation of multi-shelled InP quantum dots through a simple complexing with titanium species. <i>Applied Surface Science</i> , 2018 , 428, 906-911	6.7	14
68	Enhanced fluorescent stability of copper indium sulfide quantum dots through incorporating aluminum into ZnS shell. <i>Journal of Alloys and Compounds</i> , 2016 , 662, 173-178	5.7	14

67	Low-Yellowing Phosphor-in-Glass for High-Power Chip-on-board White LEDs by Optimizing a Low-Melting Sn-P-F-O Glass Matrix. <i>Scientific Reports</i> , 2018 , 8, 7412	4.9	14
66	Characterization of Eu-Doped SnO ₂ Thin Films Deposited by Radio-Frequency Sputtering for a Transparent Conductive Phosphor Layer. <i>Journal of the Electrochemical Society</i> , 2006 , 153, H63	3.9	14
65	Improved Cathodoluminescence Output Coupling of ZnS:Tb Thin-Film Phosphors Deposited on 2D SiO ₂ Corrugated Glass Substrate. <i>Journal of the Electrochemical Society</i> , 2003 , 150, H260	3.9	13
64	Efficient Hybrid Tandem Solar Cells Based on Optical Reinforcement of Colloidal Quantum Dots with Organic Bulk Heterojunctions. <i>Advanced Energy Materials</i> , 2020 , 10, 1903294	21.8	12
63	Fabrication of solution processed 3D nanostructured CuInGaS ₂ thin film solar cells. <i>Nanotechnology</i> , 2014 , 25, 125401	3.4	12
62	Fabrication of monolithic polymer nanofluidic channels using nanowires as sacrificial templates. <i>Nanotechnology</i> , 2010 , 21, 425302	3.4	12
61	Periodic Growth of ZnO Nanorod Arrays on Two-Dimensional SiN _x Nanohole Templates by Electrochemical Deposition. <i>Journal of Physical Chemistry C</i> , 2008 , 112, 4129-4133	3.8	12
60	A Study of the Factors Influencing the Brightness of the Photoluminescence of Sputter-Deposited Y ₂ O ₃ :Eu ³⁺ Film Phosphors. <i>Journal of the Electrochemical Society</i> , 2008 , 155, J111	3.9	12
59	Fabrication of Micro-Patterned 2D Nanorod and Nanohole Arrays by a Combination of Photolithography and Nanosphere Lithography. <i>Journal of the Electrochemical Society</i> , 2011 , 158, J143	3.9	11
58	Nanoscale ZnO and Al-Doped ZnO Coatings on ZnS:Ag Phosphors and their Cathodoluminescent Properties. <i>Journal of the American Ceramic Society</i> , 2008 , 91, 451-455	3.8	11
57	Tunable color emission in a Ba _{1-x} Sr _x Y ₂ S ₄ : Eu ²⁺ phosphor. <i>Solid State Communications</i> , 1996 , 99, 961-963	1.6	11
56	Improved color coordinates of green monochromatic pc-LED capped with a band-pass filter. <i>Optics Express</i> , 2013 , 21, 4539-50	3.3	10
55	Mononuclear transition metal complexes with sterically hindered carboxylate ligands: Synthesis, structural and spectral properties. <i>Polyhedron</i> , 2011 , 30, 340-346	2.7	10
54	RGB-Colored Cu(In,Ga)(S,Se) Thin-Film Solar Cells with Minimal Efficiency Loss Using Narrow-Bandwidth Stopband Nano-Multilayered Filters. <i>ACS Applied Materials & Interfaces</i> , 2019 , 11, 9994-10003	9.5	10
53	Stable and Efficient Green Perovskite Nanocrystal-Polysilazane Films for White LEDs Using an Electro spray Deposition Process. <i>ACS Applied Materials & Interfaces</i> , 2019 , 11, 22510-22520	9.5	9
52	Enhancement Mechanism of the Photoluminescence Quantum Yield in Highly Efficient ZnS/AgIn ₅ S ₈ Quantum Dots with Core/Shell Structures. <i>Journal of Physical Chemistry C</i> , 2018 , 122, 10125-10132	3.8	9
51	Highly efficient full-color display based on blue LED backlight and electrochromic light-valve coupled with front-emitting phosphors. <i>Optics Express</i> , 2011 , 19, 16022-31	3.3	9
50	Influence of a two-dimensional SiO ₂ nanorod structure on the extraction efficiency of ZnS:Mn thin-film electroluminescent devices. <i>Applied Physics Letters</i> , 2004 , 84, 1377-1379	3.4	9

49	Narrow-Band SrMgAlO:Eu, Mn Green Phosphors for Wide-Color-Gamut Backlight for LCD Displays. <i>ACS Omega</i> , 2020 , 5, 19516-19524	3.9	9
48	Optimization of the theoretical photosynthesis performance and vision-friendly quality of multi-package purplish white LED lighting. <i>RSC Advances</i> , 2015 , 5, 21745-21754	3.7	8
47	Enhanced Light Extraction From Green Quantum Dot Light-Emitting Diodes by Attaching Microstructure Arrayed Films. <i>IEEE Journal of Selected Topics in Quantum Electronics</i> , 2016 , 22, 42-47	3.8	8
46	Fabrication of 2D photonic crystal assisted Y ₂ O ₃ :Eu ³⁺ thin-film phosphors by direct nano-imprinting. <i>Microelectronic Engineering</i> , 2011 , 88, 2930-2933	2.5	8
45	Sol-Gel Synthesis of an Efficient Blue CaMgSi ₂ O ₆ :Eu ²⁺ Thin-Film Phosphor with Two-Dimensional Triangular-Lattice SiN _x Air-Hole Photonic Crystal. <i>Journal of the Electrochemical Society</i> , 2009 , 156, J283	3.9	8
44	Two-dimensional photonic crystal arrays for polymer:fullerene solar cells. <i>Nanotechnology</i> , 2011 , 22, 465403	3.4	8
43	Optical Properties of Y ₂ O ₃ :Eu ³⁺ Thin-Film Phosphors Coated with 2D SiN _x Air Photonic Crystal Layers. <i>Electrochemical and Solid-State Letters</i> , 2007 , 10, H82		8
42	Cathodoluminescence Properties of SrY ₂ S ₄ :Eu Phosphor for Application in Field Emission Display. <i>Journal of the Electrochemical Society</i> , 2000 , 147, 1597	3.9	8
41	Crystal growth and characterization of the solid solutions (ZnS) _{1-x} (CuMS ₂) _x (M = Al, In, or Fe). <i>Chemistry of Materials</i> , 1992 , 4, 1014-1017	9.6	8
40	The crystal growth and characterization of the solid solutions (ZnS) _{1-x} (CuGaS ₂) _x . <i>Journal of Solid State Chemistry</i> , 1992 , 96, 360-365	3.3	8
39	Inspired Intelligent Hydrochromic Adhesive Film. <i>ACS Applied Materials & Interfaces</i> , 2020 , 12, 49983-49991	3.5	9
38	Multi-Functional Transparent Luminescent Configuration for Advanced Photovoltaics. <i>Advanced Energy Materials</i> , 2016 , 6, 1502404	21.8	8
37	Dual wavelength lasing of InGaN/GaN axial-heterostructure nanorod lasers. <i>Nanoscale</i> , 2019 , 11, 14186-14193	14.1	7
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