

Young Rag Do

List of Publications by Year in Descending Order

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

174
papers

6,020
citations

40
h-index

70
g-index

187
ext. papers

6,626
ext. citations

5.6
avg, IF

5.83
L-index

#	Paper	IF	Citations
174	Enhancement Mechanism of Quantum Yield in Alloyed-Core/Shell Structure of ZnS@CuInS ₂ /ZnS Quantum Dots. <i>Journal of Physical Chemistry C</i> , 2021 , 125, 9965-9972	3.8	3
173	High-efficiency organic solar cells prepared using a halogen-free solution process. <i>Cell Reports Physical Science</i> , 2021 , 2, 100517	6.1	1
172	Fabrication of Circadian Light Meter with Non-Periodic Optical Filters to Evaluate the Non-Visual Effects of Light on Humans. <i>Applied Sciences (Switzerland)</i> , 2021 , 11, 8283	2.6	0
171	Preparation and photoluminescence properties of transparent suspensions of Ca(Y ^{1/2} Eu ^{1/2}) ₂ (MoO ₄) ₄ nanophosphors. <i>Optical Materials</i> , 2021 , 119, 111394	3.3	
170	Morphological-Electrical Property Relation in Cu(In,Ga)(S,Se) Solar Cells: Significance of Crystal Grain Growth and Band Grading by Potassium Treatment. <i>Small</i> , 2020 , 16, e2003865	11	7
169	Optical Transitions of CuInS ₂ Nanoparticles: Two Types of Absorption and Two Types of Emission. <i>Journal of Physical Chemistry C</i> , 2020 , 124, 14400-14408	3.8	4
168	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
167	Newly Developed Broadband Antireflective Nanostructures by Coating a Low-Index MgF Film onto a SiO ₂ Moth-Eye Nanopattern. <i>ACS Applied Materials & Interfaces</i> , 2020 , 12, 10626-10636	9.5	16
166	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
165	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
164	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
163	73-3: Invited Paper: Influences of Circadian Illuminances from Lighting and TV on the Human Locomotor Activity, Sleep Disorder, EEG, HRV, and Melatonin Secretion. <i>Digest of Technical Papers SID International Symposium</i> , 2020 , 51, 1094-1097	0.5	
162	-Inspired Intelligent Hydrochromic Adhesive Film. <i>ACS Applied Materials & Interfaces</i> , 2020 , 12, 49980-49998	9.5	9
161	Dual wavelength lasing of InGaN/GaN axial-heterostructure nanorod lasers. <i>Nanoscale</i> , 2019 , 11, 14186-14193	14.7	7
160	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
159	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
158	Stable and Colorful Perovskite Solar Cells Using a Nonperiodic SiO ₂ /TiO ₂ Multi-Nanolayer Filter. <i>ACS Nano</i> , 2019 , 13, 10129-10139	16.7	32

157	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
156	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
155	Realization of high-color-quality white-by-blue organic light-emitting diodes with yellow and red phosphor films. <i>Journal of Luminescence</i> , 2019 , 207, 195-200	3.8	7
154	Enhancement Mechanism of the Photoluminescence Quantum Yield in Highly Efficient ZnS/AgIn5S8 Quantum Dots with Core/Shell Structures. <i>Journal of Physical Chemistry C</i> , 2018 , 122, 10125-10132 ⁹	3.8	9
153	Synthesis of widely emission-tunable AgGaS ₂ and its quaternary derivative quantum dots. <i>Chemical Engineering Journal</i> , 2018 , 347, 791-797	14.7	14
152	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
151	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
150	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
149	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
148	Spectroscopic Influence of Virtual Reality and Augmented Reality Display Devices on the Human Nonvisual Characteristics and Melatonin Suppression Response. <i>IEEE Photonics Journal</i> , 2018 , 1-1	1.8	2
147	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
146	Band-Gap States of AgIn5S8 and ZnS/AgIn5S8 Nanoparticles. <i>Journal of Physical Chemistry C</i> , 2017 , 121, 3149-3155	3.8	24
145	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
144	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
143	Origin of highly efficient photoluminescence in AgInS nanoparticles. <i>Nanoscale</i> , 2017 , 9, 10285-10291	7.7	16
142	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
141	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
140	Highly Efficient Green Zn ₂ Ag ₂ In ₂ S/Zn ₂ In ₂ 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

139	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
138	Enhanced DC-Operated Electroluminescence of Forwardly Aligned p/MQW/n InGaN Nanorod LEDs via DC Offset-AC Dielectrophoresis. <i>ACS Applied Materials & Interfaces</i> , 2017 , 9, 37912-37920	9.5	4
137	3-D architecture between indium tin oxide nano-rods and a solution processed CuInGaS ₂ absorber layer for thin film solar cells. <i>Thin Solid Films</i> , 2017 , 636, 506-511	2.2	1
136	High-efficiency red electroluminescent device based on multishelled InP quantum dots. <i>Optics Letters</i> , 2016 , 41, 3984-7	3	77
135	Cycles of circadian illuminance are sufficient to entrain and maintain circadian locomotor rhythms in <i>Drosophila</i> . <i>Scientific Reports</i> , 2016 , 6, 37784	4.9	4
134	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
133	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
132	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
131	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
130	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
129	Multi-Functional Transparent Luminescent Configuration for Advanced Photovoltaics. <i>Advanced Energy Materials</i> , 2016 , 6, 1502404	21.8	8
128	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
127	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
126	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
125	Fabrication of a white electroluminescent device based on bilayered yellow and blue quantum dots. <i>Nanoscale</i> , 2015 , 7, 5363-70	7.7	33
124	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
123	High-Color-Quality Multipackage Phosphor-Converted LEDs for Yellow Photolithography Room Lamp. <i>IEEE Photonics Journal</i> , 2015 , 7, 1-8	1.8	16
122	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

121	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
120	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
119	Improved performance of dye-sensitized solar cells using dual-function TiO ₂ (2) nanowire photoelectrode. <i>Optics Express</i> , 2015 , 23, A1280-7	3.3	3
118	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
117	Analysis of circadian properties and healthy levels of blue light from smartphones at night. <i>Scientific Reports</i> , 2015 , 5, 11325	4.9	65
116	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
115	2D TiO ₂ photonic crystal-assisted Y ₃ Al ₅ O ₁₂ :Ce ceramic-plate phosphor and free-standing red film phosphor for white LEDs 2015 ,		1
114	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
113	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
112	. <i>IEEE Photonics Journal</i> , 2014 , 6, 1-10	1.8	25
111	Photoluminescence of Band Gap States in AgInS ₂ Nanoparticles. <i>Journal of Physical Chemistry C</i> , 2014 , 118, 25677-25683	3.8	49
110	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
109	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
108	Coaxial RuO ₂ /TiO ₂ nanopillars for transparent supercapacitor application. <i>Langmuir</i> , 2014 , 30, 1704-9	4	83
107	Fabrication of solution processed 3D nanostructured CuInGaS ₂ thin film solar cells. <i>Nanotechnology</i> , 2014 , 25, 125401	3.4	12
106	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
105	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
104	Quantum-dot-based white lighting planar source through downconversion by blue electroluminescence. <i>Optics Letters</i> , 2014 , 39, 1208-11	3	6

103	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
102	High color rendering index of remote-type white LEDs with multi-layered quantum dot-phosphor films and short-wavelength pass dichroic filters 2014 ,		1
101	Use of a precursor solution to fill the gaps between indium tin oxide nanorods, for preparation of three-dimensional CuInGaS ₂ thin-film solar cells. <i>Research on Chemical Intermediates</i> , 2014 , 40, 49-56	2.8	7
100	Fabrication and characterization of large-scale multifunctional transparent ITO nanorod films. <i>Journal of Materials Chemistry A</i> , 2013 , 1, 5860	13	40
99	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
98	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
97	Toward scatter-free phosphors in white phosphor-converted light-emitting diodes: reply to comments. <i>Optics Express</i> , 2013 , 21, 5074-6	3.3	7
96	Visible cathodoluminescence of quantum dot films by direct irradiation of electron beam and its materialization as a field emission device. <i>Optics Express</i> , 2013 , 21, 12519-26	3.3	5
95	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
94	Preparation and Photoluminescence of Green-Emitting Phosphors SrGa ₂ S ₄ :Eu. <i>Bulletin of the Korean Chemical Society</i> , 2013 , 34, 3919-3922	1.2	5
93	Selecting Morphology of Y ₃ Al ₅ O ₁₂ :Ce ³⁺ +Phosphors for Minimizing Scattering Loss in the pc-LED Package. <i>Journal of the Electrochemical Society</i> , 2012 , 159, J96-J106	3.9	44
92	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
91	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
90	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
89	Comparisons of the structural and optical properties of o-AgInS ₂ , t-AgInS ₂ , and c-AgInS ₂ nanocrystals and their solid-solution nanocrystals with ZnS. <i>Journal of Materials Chemistry</i> , 2012 , 22, 18939		114
88	Characterization of four-color multi-package white light-emitting diodes combined with various green monochromatic phosphor-converted light-emitting diodes 2012 ,		2
87	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
86	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

85	Silver nanoparticles are assembled only on the two facets of the rod template. <i>Journal of Nanoscience and Nanotechnology</i> , 2012 , 12, 1638-40	1.3	
84	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
83	Effects of 2D SiO ₂ and SiN _x photonic crystal on extracted light from Y ₃ Al ₅ O ₁₂ :Ce ³⁺ ceramic plate phosphor 2012 ,		1
82	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
81	Toward scatter-free phosphors in white phosphor-converted light-emitting diodes. <i>Optics Express</i> , 2012 , 20, 10218-28	3.3	76
80	Excellent color rendering indexes of multi-package white LEDs. <i>Optics Express</i> , 2012 , 20, 20276-85	3.3	25
79	Two-Dimensional Hexagonal Lattice Photonic Crystal Band-Edge Laser Patterned by Nanosphere Lithography. <i>Applied Physics Express</i> , 2012 , 5, 042102	2.4	4
78	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
77	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
76	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
75	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
74	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
73	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
72	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
71	Enhancement of Photoluminescence by Photonic Crystal Scattering and Nanocrystalline Surface Scattering From Y ₂ O ₃ :Tb ³⁺ Film Phosphors. <i>Journal of the Electrochemical Society</i> , 2011 , 158, J316	3.9	2
70	Mononuclear transition metal complexes with sterically hindered carboxylate ligands: Synthesis, structural and spectral properties. <i>Polyhedron</i> , 2011 , 30, 340-346	2.7	10
69	Two-dimensional photonic crystal arrays for polymer:fullerene solar cells. <i>Nanotechnology</i> , 2011 , 22, 465403	3.4	8
68	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

- 67 Structural templating and growth behavior of copper phthalocyanine thin films deposited on a polycrystalline perylene-tetracarboxylic dianhydride layer. *Journal of Applied Physics*, **2011**, 109, 063507 2.5 15
- 66 A Facile Synthetic Method of Silver Nanoparticles with a Continuous Size Range from sub-10 nm to 40 nm. *Bulletin of the Korean Chemical Society*, **2011**, 32, 117-121 1.2 4
- 65 Novel Electroluminescent Polymer Derived from Pyrene-Functionalized Polyaniline. *Bulletin of the Korean Chemical Society*, **2011**, 32, 1495-1499 1.2 4
- 64 Lowering Color Temperature of Y₃Al₅O₁₂:Ce³⁺ White Light Emitting Diodes Using Reddish Light-Recycling Filter. *Electrochemical and Solid-State Letters*, **2010**, 13, J5 18
- 63 Full down-conversion of amber-emitting phosphor-converted light-emitting diodes with powder phosphors and a long-wave pass filter. *Optics Express*, **2010**, 18, 11063-72 3.3 18
- 62 Highly efficient phosphor-converted white organic light-emitting diodes with moderate microcavity and light-recycling filters. *Optics Express*, **2010**, 18, 1099-104 3.3 38
- 61 Wafer-scale colloidal lithography based on self-assembly of polystyrene nanospheres and atomic layer deposition. *Journal of Materials Chemistry*, **2010**, 20, 5025 26
- 60 Fabrication of monolithic polymer nanofluidic channels using nanowires as sacrificial templates. *Nanotechnology*, **2010**, 21, 425302 3.4 12
- 59 Colloidal synthesis of Cu₂SnSe₃ nanocrystals. *Materials Letters*, **2010**, 64, 2043-2045 3.3 23
- 58 Facile synthesis and size control of spherical aggregates composed of Cu(2)O nanoparticles. *Journal of Colloid and Interface Science*, **2010**, 342, 198-201 9.3 26
- 57 Deep blue, efficient, moderate microcavity organic light-emitting diodes. *Organic Electronics*, **2010**, 11, 137-145 3.5 30
- 56 Brighter Photoluminescence of 2D Photonic Crystal-Assisted Y₂O₃:Eu³⁺ Thick-Film Phosphors over Screened Powder Phosphors. *Electrochemical and Solid-State Letters*, **2009**, 12, J58 4
- 55 Sol-Gel Synthesis of an Efficient Blue CaMgSi₂O₆:Eu²⁺ Thin-Film Phosphor with Two-Dimensional Triangular-Lattice SiN_x Air-Hole Photonic Crystal. *Journal of the Electrochemical Society*, **2009**, 156, J283 3.9 8
- 54 Enhanced forward efficiency of Y₃Al₅O₁₂:Ce³⁺ phosphor from white light-emitting diodes using blue-pass yellow-reflection filter. *Optics Express*, **2009**, 17, 7450-7 3.3 62
- 53 Hydrothermal Electrochemical Synthesis of ZnO Nanorods. *Crystal Growth and Design*, **2009**, 9, 3615-3620 3.5 57
- 52 Effects of symmetry, shape, and structural parameters of two-dimensional SiN_x photonic crystal on the extracted light from Y₂O₃:Eu³⁺ film. *Journal of Applied Physics*, **2009**, 105, 043103 2.5 22
- 51 Periodic Growth of ZnO Nanorod Arrays on Two-Dimensional SiN_x Nanohole Templates by Electrochemical Deposition. *Journal of Physical Chemistry C*, **2008**, 112, 4129-4133 3.8 12
- 50 The variation of the enhanced photoluminescence efficiency of Y₂O₃:Eu³⁺ films with the thickness to the photonic crystal layer. *Optics Express*, **2008**, 16, 5689-96 3.3 19

49	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
48	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
47	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
46	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
45	Optical properties of sol-gel derived Y ₂ O ₃ :Eu ³⁺ thin-film phosphors for display applications. <i>Thin Solid Films</i> , 2007 , 515, 3373-3379	2.2	57
44	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, J272	3.9	15
43	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
42	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
41	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
40	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
39	Pulsed Laser Deposition Growth of CaMgSi ₂ O ₆ :Eu ²⁺ Thin Film Phosphors. <i>Electrochemical and Solid-State Letters</i> , 2007 , 10, J23		2
38	Design and Optical Properties of ZnS:Mn Thin-Film Electroluminescent Devices on 2D SiO ₂ Corrugated Photonic Crystal Substrates. <i>Journal of the Electrochemical Society</i> , 2006 , 153, H71	3.9	5
37	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
36	Planarized SiN _x /spin-on-glass photonic crystal organic light-emitting diodes. <i>Applied Physics Letters</i> , 2006 , 89, 173502	3.4	48
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