

Young Rag Do

List of Publications by Year in descending order

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183
papers

7,164
citations

57631

44
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77
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187
all docs

187
docs citations

187
times ranked

7331
citing authors

#	ARTICLE	IF	CITATIONS
1	Photocatalytic Behavior of WO ₃ -Loaded TiO ₂ in an Oxidation Reaction. Journal of Catalysis, 2000, 191, 192-199.	3.1	412
2	Healthy, natural, efficient and tunable lighting: four-package white LEDs for optimizing the circadian effect, color quality and vision performance. Light: Science and Applications, 2014, 3, e141-e141.	7.7	325
3	A high-extraction-efficiency nanopatterned organic light-emitting diode. Applied Physics Letters, 2003, 82, 3779-3781.	1.5	314
4	Enhanced Light Extraction from Organic Light-Emitting Diodes with 2D SiO ₂ /SiN _x Photonic Crystals. Advanced Materials, 2003, 15, 1214-1218.	11.1	223
5	The Effect of WO ₃ on the Photocatalytic Activity of TiO ₂ . Journal of Solid State Chemistry, 1994, 108, 198-201.	1.4	201
6	Optical Properties of Three-Band White Light Emitting Diodes. Journal of the Electrochemical Society, 2003, 150, H57.	1.3	198
7	Enhanced light extraction efficiency from organic light emitting diodes by insertion of a two-dimensional photonic crystal structure. Journal of Applied Physics, 2004, 96, 7629-7636.	1.1	194
8	Study of Perovskite QD Down-Converted LEDs and Six-Color White LEDs for Future Displays with Excellent Color Performance. ACS Applied Materials & Interfaces, 2016, 8, 18189-18200.	4.0	159
9	Performance Improvement of Quantum Dot-Light-Emitting Diodes Enabled by an Alloyed ZnMgO Nanoparticle Electron Transport Layer. Chemistry of Materials, 2015, 27, 197-204.	3.2	152
10	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. Journal of Materials Chemistry C, 2015, 3, 607-615.	2.7	148
11	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. Journal of Materials Chemistry, 2012, 22, 18939.	6.7	132
12	Synthesis and Characterization of Green Zn ²⁺ Ag ⁺ In ³⁺ S and Red Zn ²⁺ Cu ⁺ In ³⁺ S Quantum Dots for Ultrahigh Color Quality of Down-Converted White LEDs. ACS Applied Materials & Interfaces, 2015, 7, 7342-7350.	4.0	124
13	Efficient and Stable CsPbBr ₃ Quantum-Dot Powders Passivated and Encapsulated with a Mixed Silicon Nitride and Silicon Oxide Inorganic Polymer Matrix. ACS Applied Materials & Interfaces, 2018, 10, 11756-11767.	4.0	115
14	Synthesis of color-tunable Cu ⁺ In ³⁺ Ga ³⁺ S solid solution quantum dots with high quantum yields for application to white light-emitting diodes. Journal of Materials Chemistry, 2012, 22, 21901.	6.7	113
15	Evaluation of new color metrics: guidelines for developing narrow-band red phosphors for WLEDs. Journal of Materials Chemistry C, 2016, 4, 8326-8348.	2.7	112
16	High-efficiency red electroluminescent device based on multishelled InP quantum dots. Optics Letters, 2016, 41, 3984.	1.7	101
17	Analysis of circadian properties and healthy levels of blue light from smartphones at night. Scientific Reports, 2015, 5, 11325.	1.6	96
18	Coaxial RuO ₂ @ITO Nanopillars for Transparent Supercapacitor Application. Langmuir, 2014, 30, 1704-1709.	1.6	94

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19	Toward scatter-free phosphors in white phosphor-converted light-emitting diodes. <i>Optics Express</i> , 2012, 20, 10218.	1.7	85
20	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.	6.7	79
21	Analysis of the factors governing the enhanced photoluminescence brightness of Li-doped Y ₂ O ₃ :Eu thin-film phosphors. <i>Applied Physics Letters</i> , 2006, 89, 131915.	1.5	77
22	Shallow and Deep Trap State Passivation for Low-Temperature Processed Perovskite Solar Cells. <i>ACS Energy Letters</i> , 2020, 5, 1396-1403.	8.8	75
23	Enhanced forward efficiency of Y ₃ Al ₅ O ₁₂ :Ce ³⁺ phosphor from white light-emitting diodes using blue-pass yellow-reflection filter. <i>Optics Express</i> , 2009, 17, 7450.	1.7	70
24	Low-Temperature-Processed 9% Colloidal Quantum Dot Photovoltaic Devices through Interfacial Management of p-n Heterojunction. <i>Advanced Energy Materials</i> , 2016, 6, 1502146.	10.2	70
25	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.	2.4	68
26	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.	1.7	66
27	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.	0.8	64
28	Hydrothermal Electrochemical Synthesis of ZnO Nanorods. <i>Crystal Growth and Design</i> , 2009, 9, 3615-3620.	1.4	62
29	Highly Efficient Green Zn _{0.5} Ag _{0.5} In _{0.5} S/Zn _{0.5} In _{0.5} S/ZnS QDs by a Strong Exothermic Reaction for Down-Converted Green and Tripackage White LEDs. <i>Advanced Functional Materials</i> , 2017, 27, 1602638.	7.8	60
30	Photoluminescence of Band Gap States in AgInS ₂ Nanoparticles. <i>Journal of Physical Chemistry C</i> , 2014, 118, 25677-25683.	1.5	59
31	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.	2.7	59
32	Planarized SiNx/spin-on-glass photonic crystal organic light-emitting diodes. <i>Applied Physics Letters</i> , 2006, 89, 173502.	1.5	58
33	Tunable White Fluorescent Copper Gallium Sulfide Quantum Dots Enabled by Mn Doping. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 12291-12297.	4.0	57
34	Stable and Colorful Perovskite Solar Cells Using a Nonperiodic SiO ₂ /TiO ₂ Multi-Nanolayer Filter. <i>ACS Nano</i> , 2019, 13, 10129-10139.	7.3	55
35	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.	1.3	53
36	Surface-Plasmon-Enhanced Band Emission of ZnO Nanoflowers Decorated with Au Nanoparticles. <i>Chemistry - A European Journal</i> , 2012, 18, 7467-7472.	1.7	52

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37	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. ACS Applied Materials & Interfaces, 2015, 7, 4549-4559.	4.0	50
38	Nanohole-templated organic light-emitting diodes fabricated using laser-interfering lithography: moth-eye lighting. Optics Express, 2005, 13, 1598.	1.7	49
39	Selecting Morphology of Y ₃ Al ₅ O ₁₂ :Ce ³⁺ Phosphors for Minimizing Scattering Loss in the pc-LED Package. Journal of the Electrochemical Society, 2012, 159, J96-J106.	1.3	49
40	Effect of corrugated substrates on light extraction efficiency and the mechanism of growth in pulsed laser deposited Y ₂ O ₃ :Eu ³⁺ thin-film phosphors. Applied Physics Letters, 2004, 85, 55-57.	1.5	47
41	Light Stamping Lithography: Microcontact Printing without Inks. Journal of the American Chemical Society, 2006, 128, 858-865.	6.6	46
42	Enhanced extraction efficiency of Y ₂ O ₃ :Eu ³⁺ thin-film phosphors coated with hexagonally close-packed polystyrene nanosphere monolayers. Applied Physics Letters, 2007, 91, 041907.	1.5	46
43	Realization of InP/ZnS quantum dots for green, amber and red down-converted LEDs and their color-tunable, four-package white LEDs. Journal of Materials Chemistry C, 2015, 3, 3582-3591.	2.7	46
44	Enhancement of photocatalytic activity of titanium (IV) oxide with molybdenum (VI) oxide. Materials Research Bulletin, 1993, 28, 1127-1134.	2.7	45
45	Circadian-tunable Perovskite Quantum Dot-based Down-Converted Multi-Package White LED with a Color Fidelity Index over 90. Scientific Reports, 2017, 7, 2808.	1.6	45
46	Systematic and Extensive Emission Tuning of Highly Efficient Cu ²⁺ /In ³⁺ -Based Quantum Dots from Visible to Near Infrared. Chemistry of Materials, 2019, 31, 2627-2634.	3.2	45
47	Far-field radiation of photonic crystal organic light-emitting diode. Optics Express, 2005, 13, 5864.	1.7	44
48	Spatially Separated ZnO Nanopillar Arrays on Pt/Si Substrates Prepared by Electrochemical Deposition. Journal of Physical Chemistry C, 2007, 111, 11793-11801.	1.5	44
49	Fabrication and characterization of large-scale multifunctional transparent ITO nanorod films. Journal of Materials Chemistry A, 2013, 1, 5860.	5.2	44
50	Phosphor Converted Three-Band White LED. Bulletin of the Korean Chemical Society, 2004, 25, 1585-1588.	1.0	43
51	Highly efficient phosphor-converted white organic light-emitting diodes with moderate microcavity and light-recycling filters. Optics Express, 2010, 18, 1099.	1.7	42
52	2D SiN _x photonic crystal coated Y ₃ Al ₅ O ₁₂ :Ce ³⁺ ceramic plate phosphor for high-power white light-emitting diodes. Optics Express, 2011, 19, 25593.	1.7	42
53	Color-By-Blue QD-Emissive LCD Enabled by Replacing RGB Color Filters with Narrow-Band GR InP/ZnSeS/ZnS QD Films. Advanced Optical Materials, 2018, 6, 1701239.	3.6	42
54	Fabrication of a white electroluminescent device based on bilayered yellow and blue quantum dots. Nanoscale, 2015, 7, 5363-5370.	2.8	41

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55	Optical Properties of Potassium Europium Tungstate Phosphors. <i>Journal of the Electrochemical Society</i> , 2000, 147, 4385.	1.3	39
56	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, 849-853.	4.0	39
57	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.	2.7	39
58	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.	4.0	39
59	Photoluminescence properties of $\text{Al}_3\text{Gd}_4\text{O}_{12}:\text{Eu}$ phosphors. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , 2000, 78, 28-31.	1.7	38
60	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, A270.	1.7	38
61	Color-by-blue display using blue quantum dot light-emitting diodes and green/red color converting phosphors. <i>Optics Express</i> , 2014, 22, A511.	1.7	37
62	Horizontally assembled green InGaN nanorod LEDs: scalable polarized surface emitting LEDs using electric-field assisted assembly. <i>Scientific Reports</i> , 2016, 6, 28312.	1.6	36
63	High-efficiency blue and white electroluminescent devices based on non-Cd $\text{In}^{\text{III}}\text{VI}$ quantum dots. <i>Nano Energy</i> , 2019, 63, 103869.	8.2	36
64	Uniform and continuous Y_2O_3 coating on ZnS phosphors. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , 2000, 76, 122-126.	1.7	35
65	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.	1.5	33
66	Deep blue, efficient, moderate microcavity organic light-emitting diodes. <i>Organic Electronics</i> , 2010, 11, 137-145.	1.4	33
67	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.	6.7	33
68	Excellent color rendering indexes of multi-package white LEDs. <i>Optics Express</i> , 2012, 20, 20276.	1.7	32
69	Al_2O_3 Nanoencapsulation of $\text{BaMgAl}_{10}\text{O}_{17}:\text{Eu}^{2+}$ Phosphors for Improved Aging Properties in Plasma Display Panels. <i>Journal of the Electrochemical Society</i> , 2004, 151, H210.	1.3	31
70	Wafer-Scale Growth of ITO Nanorods by Radio Frequency Magnetron Sputtering Deposition. <i>Journal of the Electrochemical Society</i> , 2011, 158, K131.	1.3	31
71	Sn^{IV} containing glass matrix for the fabrication of phosphor-in-glass for use in high power LEDs. <i>RSC Advances</i> , 2016, 6, 111640-111647.	1.7	31
72	Band-Gap States of AgIn_5S_8 and $\text{Zn}^{\text{II}}\text{AgIn}_5\text{S}_8$ Nanoparticles. <i>Journal of Physical Chemistry C</i> , 2017, 121, 3149-3155.	1.5	31

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73	Facile synthesis and size control of spherical aggregates composed of Cu ₂ O nanoparticles. Journal of Colloid and Interface Science, 2010, 342, 198-201.	5.0	30
74	Utilization of All Hydrothermally Synthesized Red, Green, Blue Nanophosphors for Fabrication of Highly Transparent Monochromatic and Full-Color Plasma Display Devices. Advanced Functional Materials, 2012, 22, 1885-1893.	7.8	30
75	A near-ideal color rendering white solid-state lighting device copackaged with two color-separated Cu ^X (X = Ga, In) quantum dot emitters. Journal of Materials Chemistry C, 2017, 5, 6755-6761.	2.7	30
76	Uniform Nanoscale SiO ₂ Encapsulation of ZnS Phosphors for Improved Aging Properties under Low Voltage Electron Beam Excitation. Journal of the Electrochemical Society, 2001, 148, G548.	1.3	29
77	Wafer-scale colloidal lithography based on self-assembly of polystyrene nanospheres and atomic layer deposition. Journal of Materials Chemistry, 2010, 20, 5025.	6.7	29
78	Full Extraction of 2D Photonic Crystal Assisted Y ₃ Al ₅ O ₁₂ :Ce Ceramic Plate Phosphor for Highly Efficient White LEDs. IEEE Photonics Journal, 2014, 6, 1-10.	1.0	28
79	Multiple-Color-Generating Cu(In,Ga)(S,Se) ₂ Thin-Film Solar Cells via Dichroic Film Incorporation for Power-Generating Window Applications. ACS Applied Materials & Interfaces, 2017, 9, 14817-14826.	4.0	27
80	Synthesis of widely emission-tunable AgGaS and its quaternary derivative quantum dots. Chemical Engineering Journal, 2018, 347, 791-797.	6.6	27
81	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. Journal of Materials Chemistry C, 2013, 1, 1732.	2.7	26
82	Various nanofabrication approaches towards two-dimensional photonic crystals for ceramic plate phosphor-capped white light-emitting diodes. Journal of Materials Chemistry C, 2014, 2, 7513.	2.7	26
83	Thin SiO ₂ coating on ZnS phosphors for improved low-voltage cathodoluminescence properties. Journal of Materials Research, 2000, 15, 2288-2291.	1.2	25
84	Highly-efficient, tunable green, phosphor-converted LEDs using a long-pass dichroic filter and a series of orthosilicate phosphors for tri-color white LEDs. Optics Express, 2012, 20, A1.	1.7	25
85	Application of photoluminescence phosphors to a phosphor-liquid crystal display. Journal of Applied Physics, 2000, 88, 4660.	1.1	24
86	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. Journal of Applied Physics, 2009, 105, 043103.	1.1	24
87	Colloidal synthesis of Cu ₂ SnSe ₃ nanocrystals. Materials Letters, 2010, 64, 2043-2045.	1.3	24
88	Enhanced Light Extraction from SrGa ₂ S ₄ :Eu ²⁺ Film Phosphors Coated with Various Sizes of Polystyrene Nanosphere Monolayers. Journal of Physical Chemistry C, 2008, 112, 7594-7598.	1.5	23
89	Fabrication of wafer-scale free-standing quantum dot/polymer nanohybrid films for white-light-emitting diodes using an electrospray method. Journal of Materials Chemistry C, 2014, 2, 10439-10445.	2.7	23
90	Lowering Color Temperature of Y ₃ Al ₅ O ₁₂ :Ce ³⁺ White Light Emitting Diodes Using Reddish Light-Recycling Filter. Electrochemical and Solid-State Letters, 2010, 13, J5.	2.2	22

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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.	1.3	22
92	Solution-processed fabrication of highly transparent mono- and tri-colored quantum dot-light-emitting diodes. <i>Organic Electronics</i> , 2017, 45, 145-150.	1.4	22
93	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, .	1.1	21
94	Polarized white light from LEDs using remote-phosphor layer sandwiched between reflective polarizer and light-recycling dichroic filter. <i>Optics Express</i> , 2013, 21, A765.	1.7	20
95	Origin of highly efficient photoluminescence in AgIn ₅ S ₈ nanoparticles. <i>Nanoscale</i> , 2017, 9, 10285-10291.	2.8	20
96	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.	1.7	19
97	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.	1.7	19
98	Preparation with laser ablation and photoluminescence of Y ₃ Al ₅ O ₁₂ :Ce nanophosphors. <i>Electronic Materials Letters</i> , 2014, 10, 461-465.	1.0	19
99	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.	3.1	19
100	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.	1.3	18
101	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.	1.7	18
102	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.	4.0	18
103	RGB-Colored Cu(In,Ga)(S,Se) ₂ 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.	4.0	18
104	Narrow-Band SrMgAl ₁₀ O ₁₇ :Eu ²⁺ , Mn ²⁺ Green Phosphors for Wide-Color-Gamut Backlight for LCD Displays. <i>ACS Omega</i> , 2020, 5, 19516-19524.	1.6	18
105	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.	2.2	17
106	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, .	1.5	17
107	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.	2.8	17
108	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.	1.6	17

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109	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.	10.2	17
110	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.	1.3	16
111	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.	1.1	16
112	Simultaneous Improvement of Charge Generation and Extraction in Colloidal Quantum Dot Photovoltaics Through Optical Management. <i>Advanced Functional Materials</i> , 2015, 25, 6241-6249.	7.8	16
113	High-Color-Quality Multipackage Phosphor-Converted LEDs for Yellow Photolithography Room Lamp. <i>IEEE Photonics Journal</i> , 2015, 7, 1-8.	1.0	16
114	Fabrication of monolithic polymer nanofluidic channels using nanowires as sacrificial templates. <i>Nanotechnology</i> , 2010, 21, 425302.	1.3	15
115	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.	1.5	15
116	<i>Diphylleia grayi</i> -Inspired Intelligent Hydrochromic Adhesive Film. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 49982-49991.	4.0	14
117	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.	0.9	13
118	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.	1.3	13
119	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.	1.3	13
120	Fabrication of solution processed 3D nanostructured CuInGaS ₂ thin film solar cells. <i>Nanotechnology</i> , 2014, 25, 125401.	1.3	13
121	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.	1.5	12
122	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.	1.3	12
123	Mononuclear transition metal complexes with sterically hindered carboxylate ligands: Synthesis, structural and spectral properties. <i>Polyhedron</i> , 2011, 30, 340-346.	1.0	12
124	Improved color coordinates of green monochromatic pc-LED capped with a band-pass filter. <i>Optics Express</i> , 2013, 21, 4539.	1.7	12
125	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.	1.7	12
126	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.	1.5	12

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127	Morphological–Electrical Property Relation in $\text{Cu}(\text{In,Ga})(\text{S,Se})_2$ Solar Cells: Significance of Crystal Grain Growth and Band Grading by Potassium Treatment. <i>Small</i> , 2020, 16, e2003865.	5.2	12
128	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.	1.9	11
129	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.	1.9	11
130	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.	4.0	11
131	Crystal growth and characterization of the solid solutions $(\text{ZnS})_{1-x}(\text{CuMS}_2)_x$ (M = Al, In, or Fe). <i>Chemistry of Materials</i> , 1992, 4, 1014-1017.	3.2	10
132	The crystal growth and characterization of the solid solutions $(\text{ZnS})_{1-x}(\text{CuGaS}_2)_x$. <i>Journal of Solid State Chemistry</i> , 1992, 96, 360-365.	1.4	10
133	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.	1.5	10
134	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.	1.7	10
135	Multi-Functional Transparent Luminescent Configuration for Advanced Photovoltaics. <i>Advanced Energy Materials</i> , 2016, 6, 1502404.	10.2	10
136	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.	1.5	10
137	Cathodoluminescence Properties of $\text{SrY}_2\text{S}_4:\text{Eu}$ Phosphor for Application in Field Emission Display. <i>Journal of the Electrochemical Society</i> , 2000, 147, 1597.	1.3	9
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