Ji Hye Oh

List of Publications by Year
in descending order

44 papers	2,163 citations	257450 24 h-index	265206 42 g-index
45 all docs	45 docs citations	45 times ranked	2539 citing authors

#	Article	IF	Citations
1	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.	16.6	325
2	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.	8.0	159
3	Synthesis of narrow-band red-emitting K₂SiF₆:Mn⁴⁺ phosphors for a deep red monochromatic LED and ultrahigh color quality warm-white LEDs. Journal of Materials Chemistry C, 2015, 3, 607-615.	5.5	148
4	Comparisons of the structural and optical properties of o-AgInS2, t-AgInS2, and c-AgIn5S8 nanocrystals and their solid-solution nanocrystals with ZnS. Journal of Materials Chemistry, 2012, 22, 18939.	6.7	132
5	Synthesis and Characterization of Green Znâ€“Agâ€“Inâ€“S and Red Znâ€“Cuâ€“Inâ€“S Quantum Dots for Ultrahigh Color Quality of Down-Converted White LEDs. ACS Applied Materials & Interfaces, 2015, 7, 7342-7350.	8.0	124
6	Evaluation of new color metrics: guidelines for developing narrow-band red phosphors for WLEDs. Journal of Materials Chemistry C, 2016, 4, 8326-8348.	5.5	112
7	Analysis of circadian properties and healthy levels of blue light from smartphones at night. Scientific Reports, 2015, 5, 11325.	3.3	96
8	Toward scatter-free phosphors in white phosphor-converted light-emitting diodes. Optics Express, 2012, 20, 10218.	3.4	85
9	Analysis of wide color gamut of green/red bilayered freestanding phosphor film-capped white LEDs for LCD backlight. Optics Express, 2015, 23, A791.	3.4	66
10	Highly Efficient Green Znï£¿Agï£¿Inï£¿S/Znï£¿Inï£¿S/ZnS QDs by a Strong Exothermic Reaction for Downâ€Converted Green and Tripackage White LEDs. Advanced Functional Materials, 2017, 27, 1602638.	14.9	60
11	Photoluminescence of Band Gap States in AgInS₂ Nanoparticles. Journal of Physical Chemistry C, 2014, 118, 25677-25683.	3.1	59
12	Highly efficient wide-color-gamut QD-emissive LCDs using red and green perovskite core/shell QDs. Journal of Materials Chemistry C, 2018, 6, 13023-13033.	5.5	59
13	Hybrid 2D Photonic Crystal-Assisted Lu₃Al₅O₁₂: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.	8.0	50
14	Selecting Morphology of Y3Al5O12:Ce3+Phosphors for Minimizing Scattering Loss in the pc-LED Package. Journal of the Electrochemical Society, 2012, 159, J96-J106.	2.9	49
15	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.	5.5	46
16	Circadian-tunable Perovskite Quantum Dot-based Down-Converted Multi-Package White LED with a Color Fidelity Index over 90. Scientific Reports, 2017, 7, 2808.	3.3	45
17	Colorâ€byâ€Blue QDâ€Emissive LCD Enabled by Replacing RGB Color Filters with Narrowâ€Band GR InP/ZnSeS/ZnS QD Films. Advanced Optical Materials, 2018, 6, 1701239.	7.3	42
18	New paradigm of multi-chip white LEDs: combination of an InGaN blue LED and full down-converted phosphor-converted LEDs. Optics Express, 2011, 19, A270.	3.4	38

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19	Color-by-blue display using blue quantum dot light-emitting diodes and green/red color converting phosphors. Optics Express, 2014, 22, A511.	3.4	37
20	Horizontally assembled green InGaN nanorod LEDs: scalable polarized surface emitting LEDs using electric-field assisted assembly. Scientific Reports, 2016, 6, 28312.	3.3	36
21	Excellent color rendering indexes of multi-package white LEDs. Optics Express, 2012, 20, 20276.	3.4	32
22	Snâ€“Pâ€“F containing glass matrix for the fabrication of phosphor-in-glass for use in high power LEDs. RSC Advances, 2016, 6, 111640-111647.	3.6	31
23	Band-Gap States of AgIn₅S₈ and ZnSâ€“AgIn₅S₈ Nanoparticles. Journal of Physical Chemistry C, 2017, 121, 3149-3155.	3.1	31
24	Full Extraction of 2D Photonic Crystal Assisted $ hbox{Y}_{3}hbox{Al}_{5}hbox{O}_{12}$:Ce Ceramic Plate Phosphor for Highly Efficient White LEDs. IEEE Photonics Journal, 2014, 6, 1-10.	2.0	28
25	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.	3.4	25
26	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.	5.5	23
27	Polarized white light from LEDs using remote-phosphor layer sandwiched between reflective polarizer and light-recycling dichroic filter. Optics Express, 2013, 21, A765.	3.4	20
28	Origin of highly efficient photoluminescence in AgIn₅S₈ nanoparticles. Nanoscale, 2017, 9, 10285-10291.	5.6	20
29	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.	3.4	19
30	The realization of a whole palette of colors in a green gap by monochromatic phosphor-converted light-emitting diodes. Optics Express, 2011, 19, 4188.	3.4	18
31	Enhanced DC-Operated Electroluminescence of Forwardly Aligned â€¯â€¯p/MQW/n InGaN Nanorod LEDs via DC Offset-AC Dielectrophoresis. ACS Applied Materials & Interfaces, 2017, 9, 37912-37920.	8.0	18
32	Narrow-Band SrMgAl₁₀O₁₇:Eu²⁺, Mn²⁺ Green Phosphors for Wide-Color-Gamut Backlight for LCD Displays. ACS Omega, 2020, 5, 19516-19524.	3.5	18
33	Low-Yellowing Phosphor-in-Glass for High-Power Chip-on-board White LEDs by Optimizing a Low-Melting Sn-P-F-O Glass Matrix. Scientific Reports, 2018, 8, 7412.	3.3	17
34	High-Color-Quality Multipackage Phosphor-Converted LEDs for Yellow Photolithography Room Lamp. IEEE Photonics Journal, 2015, 7, 1-8.	2.0	16
35	Improved color coordinates of green monochromatic pc-LED capped with a band-pass filter. Optics Express, 2013, 21, 4539.	3.4	12
36	Optimization of the theoretical photosynthesis performance and vision-friendly quality of multi-package purplish white LED lighting. RSC Advances, 2015, 5, 21745-21754.	3.6	12

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37	Enhancement Mechanism of the Photoluminescence Quantum Yield in Highly Efficient ZnSâ€“AgIn₅S₈ Quantum Dots with Core/Shell Structures. Journal of Physical Chemistry C, 2018, 122, 10125-10132.	3.1	12
38	Enhanced Light Extraction From Green Quantum Dot Light-Emitting Diodes by Attaching Microstructure Arrayed Films. IEEE Journal of Selected Topics in Quantum Electronics, 2016, 22, 42-47.	2.9	11
39	Highly efficient full-color display based on blue LED backlight and electrochromic light-valve coupled with front-emitting phosphors. Optics Express, 2011, 19, 16022.	3.4	10
40	Toward scatter-free phosphors in white phosphor-converted light-emitting diodes: reply to comments. Optics Express, 2013, 21, 5074.	3.4	8
41	Realization of high-color-quality white-by-blue organic light-emitting diodes with yellow and red phosphor films. Journal of Luminescence, 2019, 207, 195-200.	3.1	7
42	Cycles of circadian illuminance are sufficient to entrain and maintain circadian locomotor rhythms in Drosophila. Scientific Reports, 2016, 6, 37784.	3.3	5
43	Characterization of four-color multi-package white light-emitting diodes combined with various green monochromatic phosphor-converted light-emitting diodes. , 2012, , .		2
44	Enhancing the alignment selectivity of p/MQW/n InGaN nanorod LEDs. , 2018, , .		0