

# Ji Hye Oh

## List of Publications by Year in descending order

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Version: 2024-02-01

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	Narrow-Band SrMgAl <sub>10</sub> O <sub>17</sub> :Eu <sup>2+</sup> , Mn <sup>2+</sup> Green Phosphors for Wide-Color-Gamut Backlight for LCD Displays. ACS Omega, 2020, 5, 19516-19524.	3.5	18
2	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
3	Enhancement Mechanism of the Photoluminescence Quantum Yield in Highly Efficient ZnS@AgIn <sub>5</sub> S <sub>8</sub> Quantum Dots with Core/Shell Structures. Journal of Physical Chemistry C, 2018, 122, 10125-10132.	3.1	12
4	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.	7.3	42
5	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
6	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
7	Enhancing the alignment selectivity of p/MQW/n InGaN nanorod LEDs. , 2018, , .		0
8	Band-Gap States of AgIn <sub>5</sub> S <sub>8</sub> and ZnS@AgIn <sub>5</sub> S <sub>8</sub> Nanoparticles. Journal of Physical Chemistry C, 2017, 121, 3149-3155.	3.1	31
9	Origin of highly efficient photoluminescence in AgIn <sub>5</sub> S <sub>8</sub> nanoparticles. Nanoscale, 2017, 9, 10285-10291.	5.6	20
10	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
11	Highly Efficient Green ZnIn <sub>2</sub> AgIn <sub>2</sub> S/ZnIn <sub>2</sub> S/ZnS QDs by a Strong Exothermic Reaction for Down-Converted Green and Tripackage White LEDs. Advanced Functional Materials, 2017, 27, 1602638.	14.9	60
12	Enhanced DC-Operated Electroluminescence of Forwardly Aligned p/MQW/n InGaN Nanorod LEDs via DC Offset-AC Dielectrophoresis. ACS Applied Materials & Interfaces, 2017, 9, 37912-37920.	8.0	18
13	Horizontally assembled green InGaN nanorod LEDs: scalable polarized surface emitting LEDs using electric-field assisted assembly. Scientific Reports, 2016, 6, 28312.	3.3	36
14	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
15	Cycles of circadian illuminance are sufficient to entrain and maintain circadian locomotor rhythms in Drosophila. Scientific Reports, 2016, 6, 37784.	3.3	5
16	Sn-P-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
17	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
18	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

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19	Analysis of circadian properties and healthy levels of blue light from smartphones at night. <i>Scientific Reports</i> , 2015, 5, 11325.	3.3	96
20	Hybrid 2D Photonic Crystal-Assisted $\text{Lu}_{3-x}\text{Al}_x\text{O}_{12}:\text{Ce}$ Ceramic-Plate Phosphor and Free-Standing Red Film Phosphor for White LEDs with High Color-Rendering Index. <i>ACS Applied Materials &amp; Interfaces</i> , 2015, 7, 4549-4559.	8.0	50
21	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.	3.6	12
22	High-Color-Quality Multipackage Phosphor-Converted LEDs for Yellow Photolithography Room Lamp. <i>IEEE Photonics Journal</i> , 2015, 7, 1-8.	2.0	16
23	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.	5.5	46
24	Synthesis and Characterization of Green $\text{Zn}^{\text{II}}\text{Ag}^{\text{I}}\text{In}^{\text{III}}\text{S}$ and Red $\text{Zn}^{\text{II}}\text{Cu}^{\text{I}}\text{In}^{\text{III}}\text{S}$ Quantum Dots for Ultrahigh Color Quality of Down-Converted White LEDs. <i>ACS Applied Materials &amp; Interfaces</i> , 2015, 7, 7342-7350.	8.0	124
25	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.	3.4	66
26	Synthesis of narrow-band red-emitting $\text{K}_2\text{SiF}_6:\text{Mn}^{4+}$ 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.	5.5	148
27	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.	16.6	325
28	Color-by-blue display using blue quantum dot light-emitting diodes and green/red color converting phosphors. <i>Optics Express</i> , 2014, 22, A511.	3.4	37
29	Full Extraction of 2D Photonic Crystal Assisted $\text{Y}_3\text{Al}_5\text{O}_{12}:\text{Ce}$ Ceramic Plate Phosphor for Highly Efficient White LEDs. <i>IEEE Photonics Journal</i> , 2014, 6, 1-10.	2.0	28
30	Photoluminescence of Band Gap States in $\text{AgInS}_2$ Nanoparticles. <i>Journal of Physical Chemistry C</i> , 2014, 118, 25677-25683.	3.1	59
31	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.	5.5	23
32	Improved color coordinates of green monochromatic pc-LED capped with a band-pass filter. <i>Optics Express</i> , 2013, 21, 4539.	3.4	12
33	Toward scatter-free phosphors in white phosphor-converted light-emitting diodes: reply to comments. <i>Optics Express</i> , 2013, 21, 5074.	3.4	8
34	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.	3.4	20
35	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.	3.4	25
36	Toward scatter-free phosphors in white phosphor-converted light-emitting diodes. <i>Optics Express</i> , 2012, 20, 10218.	3.4	85

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37	Excellent color rendering indexes of multi-package white LEDs. Optics Express, 2012, 20, 20276.	3.4	32
38	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
39	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
40	Characterization of four-color multi-package white light-emitting diodes combined with various green monochromatic phosphor-converted light-emitting diodes. , 2012, , .		2
41	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
42	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
43	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
44	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