

Duk Young Jeon

List of Publications by Year in descending order

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papers

544
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687363

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22
times ranked

1131
citing authors

#	ARTICLE	IF	CITATIONS
1	Thermodynamic-driven polychromatic quantum dot patterning for light-emitting diodes beyond eye-limiting resolution. <i>Nature Communications</i> , 2020, 11, 3040.	12.8	53
2	First-principles-derived effective mass approximation for the improved description of quantum nanostructures. <i>JPhys Materials</i> , 2020, 3, 034012.	4.2	9
3	Ligand-Exchange-Ready CuInS ₂ /ZnS Quantum Dots via Surface-Ligand Composition Control for Film-Type Display Devices. <i>ACS Applied Nano Materials</i> , 2019, 2, 5504-5511.	5.0	17
4	Mixture of quantum dots and ZnS nanoparticles as emissive layer for improved quantum dots light emitting diodes. <i>RSC Advances</i> , 2019, 9, 15177-15183.	3.6	6
5	Correlation of near-unity quantum yields with photogenerated excitons in X-type ligand passivated CsPbBr ₃ perovskite quantum dots. <i>Nanoscale Advances</i> , 2019, 1, 2828-2834.	4.6	17
6	A highly luminescent quantum dot/mesoporous TiO ₂ nanocomplex film under controlled energy transfer. <i>Nanoscale</i> , 2019, 11, 13219-13226.	5.6	5
7	Enhancing the luminescence of carbon nanodots in films by tailoring the functional groups through alkylamine-functionalization and reduction. <i>Physical Chemistry Chemical Physics</i> , 2019, 21, 26095-26101.	2.8	4
8	In Situ Doping System To Improve the Electric-Field-Induced Fluorescence Properties of CdZnS/ZnS Quantum Rods for Light-Emitting Devices. <i>ACS Applied Nano Materials</i> , 2018, 1, 4278-4282.	5.0	0
9	Highly luminescent blue-emitting CdZnS/ZnS nanorods having electric-field-induced fluorescence switching properties. <i>Journal of Materials Chemistry C</i> , 2017, 5, 2098-2106.	5.5	13
10	Synthesis of efficient near-infrared-emitting CuInS ₂ /ZnS quantum dots by inhibiting cation-exchange for bio application. <i>RSC Advances</i> , 2017, 7, 10675-10682.	3.6	29
11	Solution processible MoOx-incorporated graphene anode for efficient polymer light-emitting diodes. <i>Nanotechnology</i> , 2017, 28, 235201.	2.6	4
12	Controlled Synthesis of CuInS ₂ /ZnS Nanocubes and Their Sensitive Photoluminescence Response toward Hydrogen Peroxide. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 32097-32105.	8.0	13
13	Conjugated Polyelectrolyte Hybridized ZnO Nanoparticles as a Cathode Interfacial Layer for Efficient Polymer Light-Emitting Diodes. <i>Advanced Functional Materials</i> , 2015, 25, 7450-7456.	14.9	35
14	Enhancing the light utilization efficiency of microalgae using organic dyes. <i>Bioresource Technology</i> , 2015, 181, 355-359.	9.6	44
15	Improved Operational Stability of Polymer Light-Emitting Diodes Based on Silver Nanowire Electrode Through Pre-Bias Conditioning Treatment. <i>Advanced Functional Materials</i> , 2014, 24, 6465-6472.	14.9	29
16	Exciton Dissociation and Charge Transport Enhancement in Organic Solar Cells with Quantum-Dot/N-doped CNT Hybrid Nanomaterials. <i>Advanced Materials</i> , 2013, 25, 2011-2017.	21.0	103
17	In situ ligand exchange of thiol-capped CuInS ₂ /ZnS quantum dots at growth stage without affecting luminescent characteristics. <i>Journal of Colloid and Interface Science</i> , 2011, 363, 703-706.	9.4	41
18	Characteristics of CuInS ₂ /ZnS quantum dots and its application on LED. <i>Journal of Crystal Growth</i> , 2011, 326, 90-93.	1.5	79

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19	Degradation Characteristics of Red Light-Emitting CuInS ₂ /ZnS Quantum Dots as a Wavelength Converter for LEDs. <i>Electrochemical and Solid-State Letters</i> , 2011, 14, K55.	2.2	28
20	Characterization of nano-size YVO ₄ :Eu and (Y,Gd)VO ₄ :Eu phosphors by low voltage cathodo- and photoluminescence. <i>Journal of Vacuum Science & Technology an Official Journal of the American Vacuum Society B, Microelectronics Processing and Phenomena</i> , 2005, 23, 843.	1.6	15
21	Characterization of nano-size YVO ₄ :Eu and (Y,Gd)VO ₄ :Eu phosphor via low voltage cathodoluminescence. , 0, , .		0
22	Effect of environmental elements on field emission properties of CNT tips sealed in FE-BLUs. , 0, , .		0