

# Hoang-Duy Nguyen

## List of Publications by Year in descending order

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23  
papers

962  
citations

686830

13  
h-index

642321

23  
g-index

24  
all docs

24  
docs citations

24  
times ranked

832  
citing authors

#	ARTICLE	IF	CITATIONS
1	Synthesis of Na <sub>2</sub> SiF <sub>6</sub> :Mn <sup>4+</sup> red phosphors for white LED applications by co-precipitation. Journal of Materials Chemistry C, 2014, 2, 10268-10272.	2.7	187
2	Waterproof Alkyl Phosphate Coated Fluoride Phosphors for Optoelectronic Materials. Angewandte Chemie - International Edition, 2015, 54, 10862-10866.	7.2	160
3	Narrow-band red-emitting Mn <sup>4+</sup> -doped hexafluoride phosphors: synthesis, optoelectronic properties, and applications in white light-emitting diodes. Journal of Materials Chemistry C, 2016, 4, 10759-10775.	2.7	138
4	Preparation of a novel red Rb <sub>2</sub> SiF <sub>6</sub> :Mn <sup>4+</sup> phosphor with high thermal stability through a simple one-step approach. Journal of Materials Chemistry C, 2015, 3, 7277-7280.	2.7	98
5	Improvement of the Water Resistance of a Narrow-Band Red-Emitting SrLiAl <sub>3</sub> N <sub>4</sub> :Eu <sup>2+</sup> Phosphor Synthesized under High Isostatic Pressure through Coating with an Organosilica Layer. Angewandte Chemie - International Edition, 2016, 55, 9652-9656.	7.2	63
6	Full-Color InGaN/AlGaN Nanowire Micro Light-Emitting Diodes Grown by Molecular Beam Epitaxy: A Promising Candidate for Next Generation Micro Displays. Micromachines, 2019, 10, 492.	1.4	51
7	Preparation and characterization of nanosized (Y,Bi)VO <sub>4</sub> :Eu <sup>3+</sup> and Y(V,P)O <sub>4</sub> :Eu <sup>3+</sup> red phosphors. Journal of Luminescence, 2009, 129, 1754-1758.	1.5	43
8	High performance electron blocking layer-free InGaN/GaN nanowire white-light-emitting diodes. Optics Express, 2020, 28, 665.	1.7	35
9	Improving carrier transport in AlGaN deep-ultraviolet light-emitting diodes using a strip-in-a-barrier structure. Applied Optics, 2020, 59, 5276.	0.9	20
10	Deep red fluoride dots-in-nanoparticles for high color quality micro white light-emitting diodes. Optics Express, 2020, 28, 26189.	1.7	17
11	Enhanced ultrafast optical nonlinearity of porous anodized aluminum oxide nanostructures. Optics Express, 2009, 17, 19093.	1.7	14
12	<i>Nephelium lappaceum</i> oil: A low-cost alternative feedstock for sustainable biodiesel production using magnetic solid acids. Environmental Progress and Sustainable Energy, 2016, 35, 603-610.	1.3	14
13	Improvement of the Water Resistance of a Narrow-Band Red-Emitting SrLiAl <sub>3</sub> N <sub>4</sub> :Eu <sup>2+</sup> Phosphor Synthesized under High Isostatic Pressure through Coating with an Organosilica Layer. Angewandte Chemie, 2016, 128, 9804-9808.	1.6	13
14	Numerical investigation on the device performance of electron blocking layer free AlInN nanowire deep ultraviolet light-emitting diodes. Optical Materials Express, 2020, 10, 472.	1.6	12
15	High-performance electron-blocking-layer-free deep ultraviolet light-emitting diodes implementing a strip-in-a-barrier structure. Optics Letters, 2020, 45, 5125.	1.7	11
16	Optical Properties of Eu <sub>2</sub> (WO <sub>4</sub> ) <sub>3</sub> and Tb <sub>2</sub> (WO <sub>4</sub> ) <sub>3</sub> and of CaWO <sub>4</sub> Doped with Eu <sup>3+</sup> or Tb <sup>3+</sup> - Revisited. Journal of the Korean Physical Society, 2008, 53, 2220-2223.	0.3	10
17	Magnetic Poly(Vinylsulfonic-co-Divinylbenzene) Catalysts for Direct Conversion of Cellulose into 5-Hydroxymethylfurfural Using Ionic Liquids. Materials Transactions, 2015, 56, 1434-1440.	0.4	9
18	Enhanced hole transport in AlGaN deep ultraviolet light-emitting diodes using a double-sided step graded superlattice electron blocking layer. Journal of the Optical Society of America B: Optical Physics, 2020, 37, 2564.	0.9	9

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19	Feasible preparation of red-phosphor K <sub>2</sub> SiF <sub>6</sub> :Mn <sup>4+</sup> coated with SiO <sub>2</sub> for white light emitting diodes application. Vietnam Journal of Chemistry, 2019, 57, 384-388.	0.7	6
20	Improving Color Quality of Nanowire White Light-Emitting Diodes with Mn <sup>4+</sup> Doped Fluoride Nanosheets. Micromachines, 2021, 12, 965.	1.4	5
21	Preparing nano-hole arrays by using porous anodic aluminum oxide nano-structural masks for the enhanced emission from InGaN/GaN blue light-emitting diodes. Advances in Natural Sciences: Nanoscience and Nanotechnology, 2012, 3, 045018.	0.7	4
22	Enhancing Efficiency of AlGa <sub>N</sub> Ultraviolet-B Light-Emitting Diodes with Graded p-i-n AlGa <sub>N</sub> Hole Injection Layer. Physica Status Solidi (A) Applications and Materials Science, 2021, 218, 2100003.	0.8	4
23	High-efficiency InGa <sub>N</sub> blue LEDs with reduced positive sheet polarization. Applied Optics, 0, , .	0.9	2