

# Michael R Krames

## List of Publications by Citations

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32  
papers

3,492  
citations

17  
h-index

37  
g-index

37  
ext. papers

3,906  
ext. citations

7  
avg, IF

5.07  
L-index

#	Paper	IF	Citations
32	Status and Future of High-Power Light-Emitting Diodes for Solid-State Lighting. <i>Journal of Display Technology</i> , <b>2007</b> , 3, 160-175		1461
31	Highly efficient all-nitride phosphor-converted white light emitting diode. <i>Physica Status Solidi (A) Applications and Materials Science</i> , <b>2005</b> , 202, 1727-1732	1.6	510
30	Carrier distribution in (0001)InGaN/GaN multiple quantum well light-emitting diodes. <i>Applied Physics Letters</i> , <b>2008</b> , 92, 053502	3.4	281
29	History of Gallium Nitride-Based Light-Emitting Diodes for Illumination. <i>Proceedings of the IEEE</i> , <b>2013</b> , 101, 2211-2220	14.3	269
28	History, Development, and Applications of High-Brightness Visible Light-Emitting Diodes. <i>Journal of Lightwave Technology</i> , <b>2008</b> , 26, 1154-1171	4	171
27	Bulk GaN flip-chip violet light-emitting diodes with optimized efficiency for high-power operation. <i>Applied Physics Letters</i> , <b>2015</b> , 106, 031101	3.4	158
26	Bulk GaN based violet light-emitting diodes with high efficiency at very high current density. <i>Applied Physics Letters</i> , <b>2012</b> , 101, 223509	3.4	91
25	Review of measures for light-source color rendition and considerations for a two-measure system for characterizing color rendition. <i>Optics Express</i> , <b>2013</b> , 21, 10393-411	3.3	87
24	Performance of High Power Light Emitting Diodes in Display Illumination Applications. <i>Journal of Display Technology</i> , <b>2007</b> , 3, 98-109		69
23	High-Efficiency Blue and True-Green-Emitting Laser Diodes Based on Non-c-Plane Oriented GaN Substrates. <i>Applied Physics Express</i> , <b>2010</b> , 3, 112101	2.4	65
22	All-nitride monochromatic amber-emitting phosphor-converted light-emitting diodes. <i>Physica Status Solidi - Rapid Research Letters</i> , <b>2009</b> , 3, 215-217	2.5	61
21	Sixty Thousand Hour Light Output Reliability of AlGaInP Light Emitting Diodes. <i>IEEE Transactions on Device and Materials Reliability</i> , <b>2006</b> , 6, 564-574	1.6	39
20	Whiteness Perception under LED Illumination. <i>LEUKOS - Journal of Illuminating Engineering Society of North America</i> , <b>2014</b> , 10, 165-180	3.5	31
19	High light extraction efficiency in bulk-GaN based volumetric violet light-emitting diodes. <i>Applied Physics Letters</i> , <b>2014</b> , 105, 231111	3.4	30
18	Phosphor materials and combinations for illumination-grade white pcLEDs <b>2004</b> , 5187, 115		23
17	Increasing the effective absorption of Eu <sup>3+</sup> -doped luminescent materials towards practical light emitting diodes for illumination applications. <i>Applied Physics Letters</i> , <b>2018</b> , 112, 132101	3.4	19
16	YAG:Ce Phosphor: From Micron-Sized Workhorse for General Lighting to a Bright Future on the Nanoscale. <i>Chemical Reviews</i> , <b>2020</b> , 120, 13461-13479	68.1	17

15	Saturation Mechanisms in Common LED Phosphors. <i>ACS Photonics</i> , <b>2021</b> , 8, 1784-1793	6.3	16
14	Whiteness metric for light sources of arbitrary color temperatures: proposal and application to light-emitting-diodes. <i>Optics Express</i> , <b>2013</b> , 21, 16702-15	3.3	13
13	Green phosphor-converted LED <b>2002</b> , 4776, 131		13
12	III-nitride LEDs with photonic crystal structures <b>2005</b> ,		12
11	High-performance blue and green laser diodes based on nonpolar/semipolar bulk GaN substrates <b>2011</b> ,		11
10	Eu Sensitization via Nonradiative Interparticle Energy Transfer Using Inorganic Nanoparticles. <i>Journal of Physical Chemistry Letters</i> , <b>2020</b> , 11, 689-695	6.4	9
9	Performance and trends of high power light emitting diodes <b>2007</b> ,		8
8	Performance and application of high-power ultraviolet AlGaInN light-emitting diodes <b>2004</b> ,		6
7	6-1: Invited Paper: Status and Future Prospects for Visible-Spectrum Light-Emitting Diodes. <i>Digest of Technical Papers SID International Symposium</i> , <b>2016</b> , 47, 39-41	0.5	4
6	Light-emitting diode technology and applications: introduction. <i>Photonics Research</i> , <b>2017</b> , 5, LED1	6	3
5	Phosphor-converted high power LEDs <b>2007</b> ,		3
4	High-performance blue and green laser diodes based on nonpolar/semipolar GaN substrates <b>2011</b> ,		2
3	Practical considerations for Ultraviolet-C radiation mediated decontamination of N95 respirator against SARS-CoV-2 virus		2
2	Practical considerations for Ultraviolet-C radiation mediated decontamination of N95 respirator against SARS-CoV-2 virus. <i>PLoS ONE</i> , <b>2021</b> , 16, e0258336	3.7	1
1	Light Emitting Diode Materials and Devices <b>2016</b> , 273-311		