

Michael R Krames

List of Publications by Year in descending order

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34
papers

4,191
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430442

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docs citations

37
times ranked

3789
citing authors

#	ARTICLE	IF	CITATIONS
1	Status and Future of High-Power Light-Emitting Diodes for Solid-State Lighting. Journal of Display Technology, 2007, 3, 160-175.	1.3	1,732
2	Highly efficient all-nitride phosphor-converted white light emitting diode. Physica Status Solidi (A) Applications and Materials Science, 2005, 202, 1727-1732.	0.8	564
3	History of Gallium-Nitride-Based Light-Emitting Diodes for Illumination. Proceedings of the IEEE, 2013, 101, 2211-2220.	16.4	314
4	Carrier distribution in (0001)InGaIn-GaN multiple quantum well light-emitting diodes. Applied Physics Letters, 2008, 92, .	1.5	307
5	History, Development, and Applications of High-Brightness Visible Light-Emitting Diodes. Journal of Lightwave Technology, 2008, 26, 1154-1171.	2.7	208
6	Bulk GaN flip-chip violet light-emitting diodes with optimized efficiency for high-power operation. Applied Physics Letters, 2015, 106, .	1.5	197
7	Review of measures for light-source color rendition and considerations for a two-measure system for characterizing color rendition. Optics Express, 2013, 21, 10393.	1.7	113
8	Bulk GaN based violet light-emitting diodes with high efficiency at very high current density. Applied Physics Letters, 2012, 101, 223509.	1.5	102
9	Performance of High Power Light Emitting Diodes in Display Illumination Applications. Journal of Display Technology, 2007, 3, 98-109.	1.3	93
10	High-Efficiency Blue and True-Green-Emitting Laser Diodes Based on Non-c-Plane Oriented GaN Substrates. Applied Physics Express, 2010, 3, 112101.	1.1	75
11	All-nitride monochromatic amber-emitting phosphor-converted light-emitting diodes. Physica Status Solidi - Rapid Research Letters, 2009, 3, 215-217.	1.2	74
12	YAG:Ce ³⁺ Phosphor: From Micron-Sized Workhorse for General Lighting to a Bright Future on the Nanoscale. Chemical Reviews, 2020, 120, 13461-13479.	23.0	70
13	Saturation Mechanisms in Common LED Phosphors. ACS Photonics, 2021, 8, 1784-1793.	3.2	46
14	Sixty Thousand Hour Light Output Reliability of AlGaInP Light Emitting Diodes. IEEE Transactions on Device and Materials Reliability, 2006, 6, 564-574.	1.5	44
15	High light extraction efficiency in bulk-GaN based volumetric violet light-emitting diodes. Applied Physics Letters, 2014, 105, .	1.5	37
16	Whiteness Perception under LED Illumination. LEUKOS - Journal of Illuminating Engineering Society of North America, 2014, 10, 165-180.	1.5	35
17	Phosphor materials and combinations for illumination-grade white pcLEDs. , 2004, 5187, 115.		27
18	Increasing the effective absorption of Eu ³⁺ -doped luminescent materials towards practical light emitting diodes for illumination applications. Applied Physics Letters, 2018, 112, .	1.5	24

#	ARTICLE	IF	CITATIONS
19	Eu ³⁺ Sensitization via Nonradiative Interparticle Energy Transfer Using Inorganic Nanoparticles. <i>Journal of Physical Chemistry Letters</i> , 2020, 11, 689-695.	2.1	19
20	Green phosphor-converted LED. , 2002, 4776, 131.		16
21	III-nitride LEDs with photonic crystal structures. , 2005, , .		15
22	Whiteness metric for light sources of arbitrary color temperatures: proposal and application to light-emitting-diodes. <i>Optics Express</i> , 2013, 21, 16702.	1.7	15
23	High-performance blue and green laser diodes based on nonpolar/semipolar bulk GaN substrates. <i>Proceedings of SPIE</i> , 2011, , .	0.8	12
24	Performance and trends of high power light emitting diodes. , 2007, , .		10
25	Practical considerations for Ultraviolet-C radiation mediated decontamination of N95 respirator against SARS-CoV-2 virus. <i>PLoS ONE</i> , 2021, 16, e0258336.	1.1	10
26	Performance and application of high-power ultraviolet AlGaInN light-emitting diodes. , 2004, , .		6
27	6-1: Invited Paper: Status and Future Prospects for Visible-Spectrum Light-Emitting Diodes. <i>Digest of Technical Papers SID International Symposium</i> , 2016, 47, 39-41.	0.1	6
28	Light-emitting diode technology and applications: introduction. <i>Photonics Research</i> , 2017, 5, LED1.	3.4	5
29	Phosphor-converted high power LEDs. , 2007, , .		3
30	High-performance blue and green laser diodes based on nonpolar/semipolar GaN substrates. , 2011, , .		2
31	GaN-based tunnel junction in optical devices. , 2002, , .		1
32	Optical cavity effects in InGaN/GaN quantum-well-heterostructure flip-chip light-emitting diodes. , 2004, 5366, 20.		1
33	High-power AlInGaN light-emitting diodes. , 2001, , .		0
34	Linearly polarized spontaneous emission from m-plane InGaN/GaN multiple-quantum-well LEDs. , 2005, 5941, 90.		0