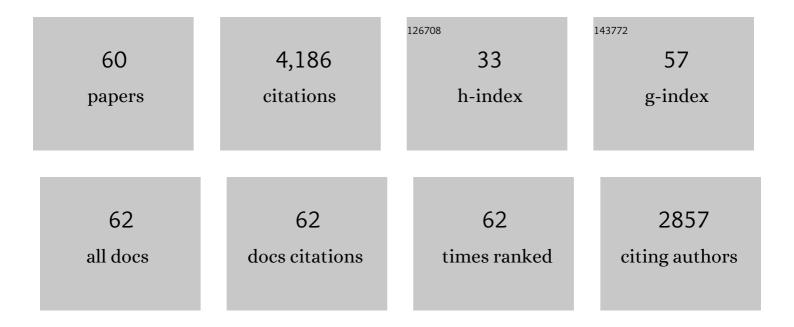
List of Publications by Year in descending order

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Διιρειιένι Πλυίρ

#	Article	IF	CITATIONS
1	III-nitride photonic-crystal light-emitting diodes with high extraction efficiency. Nature Photonics, 2009, 3, 163-169.	15.6	688
2	Carrier distribution in (0001)InGaNâ^•GaN multiple quantum well light-emitting diodes. Applied Physics Letters, 2008, 92, .	1.5	307
3	Droop in InGaN light-emitting diodes: A differential carrier lifetime analysis. Applied Physics Letters, 2010, 96, .	1.5	288
4	Bulk GaN flip-chip violet light-emitting diodes with optimized efficiency for high-power operation. Applied Physics Letters, 2015, 106, .	1.5	197
5	Photonic-crystal GaN light-emitting diodes with tailored guided modes distribution. Applied Physics Letters, 2006, 88, 061124.	1.5	189
6	Development of the IES method for evaluating the color rendition of light sources. Optics Express, 2015, 23, 15888.	1.7	184
7	Influence of polarization fields on carrier lifetime and recombination rates in InGaN-based light-emitting diodes. Applied Physics Letters, 2010, 97, .	1.5	165
8	Photonic bands in two-dimensionally patterned multimode GaN waveguides for light extraction. Applied Physics Letters, 2005, 87, 101107.	1.5	154
9	Directional emission control and increased light extraction in GaN photonic crystal light emitting diodes. Applied Physics Letters, 2008, 93, .	1.5	151
10	Photonic crystal laser lift-off GaN light-emitting diodes. Applied Physics Letters, 2006, 88, 133514.	1.5	124
11	Optimization of Light-Diffracting Photonic-Crystals for High Extraction Efficiency LEDs. Journal of Display Technology, 2007, 3, 133-148.	1.3	121
12	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
13	Bulk GaN based violet light-emitting diodes with high efficiency at very high current density. Applied Physics Letters, 2012, 101, 223509.	1.5	102
14	Optical and structural properties of GaN nanopillar and nanostripe arrays with embedded InGaNâ^•GaN multi-quantum wells. Journal of Applied Physics, 2006, 100, 054314.	1.1	94
15	Photonic crystal light-emitting sources. Reports on Progress in Physics, 2012, 75, 126501.	8.1	71
16	Quantum Efficiency of III-Nitride Emitters: Evidence for Defect-Assisted Nonradiative Recombination and its Effect on the Green Gap. Physical Review Applied, 2019, 11, .	1.5	66
17	Fast factorization rule and plane-wave expansion method for two-dimensional photonic crystals with arbitrary hole-shape. Physical Review B, 2006, 73, .	1.1	60
18	Review—The Physics of Recombinations in III-Nitride Emitters. ECS Journal of Solid State Science and Technology, 2020, 9, 016021.	0.9	57

#	Article	IF	CITATIONS
19	Surface-Roughened Light-Emitting Diodes: An Accurate Model. Journal of Display Technology, 2013, 9, 301-316.	1.3	54
20	Photonic Crystal-Assisted Light Extraction from a Colloidal Quantum Dot/GaN Hybrid Structure. Nano Letters, 2006, 6, 1116-1120.	4.5	52
21	Droop in III-nitrides: Comparison of bulk and injection contributions. Applied Physics Letters, 2010, 97, .	1.5	52
22	GaNâ^•InGaN light emitting diodes with embedded photonic crystal obtained by lateral epitaxial overgrowth. Applied Physics Letters, 2008, 92, 113514.	1.5	46
23	Electrical properties of III-Nitride LEDs: Recombination-based injection model and theoretical limits to electrical efficiency and electroluminescent cooling. Applied Physics Letters, 2016, 109, .	1.5	46
24	GaN light-emitting diodes with Archimedean lattice photonic crystals. Applied Physics Letters, 2006, 88, 073510.	1.5	43
25	Colour gamut size and shape influence colour preference. Lighting Research and Technology, 2017, 49, 992-1014.	1.2	42
26	Cone-shaped surface GaN-based light-emitting diodes. Physica Status Solidi C: Current Topics in Solid State Physics, 2005, 2, 2836-2840.	0.8	40
27	Perceptual responses to LED illumination with colour rendering indices of 85 and 97. Lighting Research and Technology, 2015, 47, 810-827.	1.2	40
28	Why Color Space Uniformity and Sample Set Spectral Uniformity Are Essential for Color Rendering Measures. LEUKOS - Journal of Illuminating Engineering Society of North America, 2016, 12, 39-50.	1.5	40
29	Field-assisted Shockley-Read-Hall recombinations in III-nitride quantum wells. Applied Physics Letters, 2017, 111, .	1.5	40
30	High light extraction efficiency in bulk-GaN based volumetric violet light-emitting diodes. Applied Physics Letters, 2014, 105, .	1.5	37
31	Gain comparison in polar and nonpolarssty{/} semipolar gallium-nitride-based laser diodes. Semiconductor Science and Technology, 2012, 27, 024015.	1.0	36
32	Whiteness Perception under LED Illumination. LEUKOS - Journal of Illuminating Engineering Society of North America, 2014, 10, 165-180.	1,5	35
33	Gallium-nitride-based microcavity light-emitting diodes with air-gap distributed Bragg reflectors. Applied Physics Letters, 2007, 91, .	1.5	34
34	All-optical measurements of carrier dynamics in bulk-GaN LEDs: Beyond the ABC approximation. Applied Physics Letters, 2017, 110, .	1.5	34
35	LED-based white light. Comptes Rendus Physique, 2018, 19, 169-181.	0.3	33
36	Color Fidelity of Light Sources Evaluated over Large Sets of Reflectance Samples. LEUKOS - Journal of Illuminating Engineering Society of North America, 2014, 10, 59-75.	1,5	31

#	Article	IF	CITATIONS
37	Carrier dynamics and Coulomb-enhanced capture in III-nitride quantum heterostructures. Applied Physics Letters, 2016, 109, .	1.5	30
38	Micro Cavity Effect in GaN-Based Light-Emitting Diodes Formed by Laser Lift-Off and Etch-Back Technique. Japanese Journal of Applied Physics, 2004, 43, L411-L413.	0.8	27
39	Thermal droop in high-quality InGaN LEDs. Applied Physics Letters, 2019, 115, .	1.5	25
40	Many-Body Effects in Strongly Disordered III-Nitride Quantum Wells: Interplay Between Carrier Localization and Coulomb Interaction. Physical Review Applied, 2019, 12, .	1.5	22
41	High-temperature electroluminescence properties of InGaN red 40 × 40 <i>μ</i> m2 micro-light-emitting diodes with a peak external quantum efficiency of 3.2%. Applied Physics Letters, 2021, 119, .	1.5	21
42	Investigation of Extracting Photonic Crystal Lattices for Guided Modes of GaAs-Based Heterostructures. IEEE Journal of Quantum Electronics, 2008, 44, 777-789.	1.0	20
43	Gallium nitride based microcavity light emitting diodes with 2λ effective cavity thickness. Applied Physics Letters, 2007, 90, 031111.	1.5	19
44	Chroma Shift and Gamut Shape: Going Beyond Average Color Fidelity and Gamut Area. LEUKOS - Journal of Illuminating Engineering Society of North America, 2018, 14, 149-165.	1.5	18
45	Whiteness metric for light sources of arbitrary color temperatures: proposal and application to light-emitting-diodes. Optics Express, 2013, 21, 16702.	1.7	15
46	Compensation between radiative and Auger recombinations in III-nitrides: The scaling law of separated-wavefunction recombinations. Applied Physics Letters, 2019, 115, .	1.5	15
47	Spontaneous emission in GaN/InGaN photonic crystal nanopillars. Optics Express, 2007, 15, 17991.	1.7	14
48	Methods for Assessing Quantity and Quality of Illumination. Annual Review of Vision Science, 2019, 5, 479-502. Long Range Carrier Diffusion in combinath xmlns:mml="http://www.w3.org/1998/Math/MathML"	2.3	14
49	display="inline" overflow="scroll"> <mml:mo stretchy="false">(<mml:mi>In</mml:mi><mml:mo>,</mml:mo><mml:mi>Ga</mml:mi><mml:mo) e<br="" tj="">mathvariant="normal">N Ouantum Wells and</mml:mo)></mml:mo 	т <u>Q</u> д1 1 С <u>1.</u> 3).784314 rg 14
50	Implications from Fundamentals to Devices. Physical Review Applied, 2021, 15, From modal control to spontaneous emission and gain in photonic crystal waveguides. Photonics and Nanostructures - Fundamentals and Applications, 2006, 4, 1-11.	1.0	13
51	Demonstration of Distributed Bragg Reflectors for Deep Ultraviolet Applications. Japanese Journal of Applied Physics, 2007, 46, L767.	0.8	11
52	A Vector Field Color Rendition Model for Characterizing Color Shifts and Metameric Mismatch. LEUKOS - Journal of Illuminating Engineering Society of North America, 2020, 16, 99-114.	1.5	9
53	Human perception of light chromaticity: short-wavelength effects in spectra with low circadian stimulation, and broader implications for general LED sources. Optics Express, 2019, 27, 31553.	1.7	9

Recent results and latest views on microcavity LEDs. , 2004, 5366, 1.

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55	Optical properties of GaN nanopillar and nanostripe arrays with embedded InGaN/GaN multi quantum wells. Physica Status Solidi (B): Basic Research, 2007, 244, 1797-1801.	0.7	7
56	Omnidirectional light extraction in GaN LEDs using an Archimedean tiling photonic crystal. , 2006, 6115, 343.		3
57	Gallium nitride based micro-cavity light emitting diodes emitting at 498 nm. Physica Status Solidi (A) Applications and Materials Science, 2006, 203, 1783-1786.	0.8	2
58	Improved Method for Evaluating and Specifying the Chromaticity of Light Sources. LEUKOS - Journal of Illuminating Engineering Society of North America, 2023, 19, 35-52.	1.5	2
59	High efficiency LEDs by photonic crystal-assisted extraction. , 2006, , .		1
60	56.2: <i>Invited Paper</i> : Progress in Color Rendition Measures for Lighting. Digest of Technical Papers SID International Symposium, 2015, 46, 839-841.	0.1	0