Sebastian Walde

List of Publications by Year
in descending order

12	245	1040056 9	1199594 12
papers	citations	h-index	g-index

12	12	12	220
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	High-quality AlGaN epitaxy on lattice-engineerable AlN template for high-power UVC light-emitting diodes. Acta Materialia, 2022, 226, 117625.	7.9	10
2	Highâ€Temperature Annealing and Patterned AlN/Sapphire Interfaces. Physica Status Solidi (B): Basic Research, 2021, 258, 2100187.	1.5	12
3	Role of oxygen diffusion in the dislocation reduction of epitaxial AlN on sapphire during high-temperature annealing. Journal of Applied Physics, 2021, 130, .	2.5	12
4	Improving AlN Crystal Quality and Strain Management on Nanopatterned Sapphire Substrates by Highâ€Temperature Annealing for UVC Lightâ€Emitting Diodes. Physica Status Solidi (A) Applications and Materials Science, 2020, 217, 1900796.	1.8	15
5	Highâ€Temperature Annealing of AlGaN. Physica Status Solidi (A) Applications and Materials Science, 2020, 217, 2000473.	1.8	5
6	Reliability of UVC LEDs fabricated on AlN/sapphire templates with different threading dislocation densities. Applied Physics Letters, 2020, 117, .	3.3	34
7	The Impact of AlN Templates on Strain Relaxation Mechanisms during the MOVPE Growth of UVBâ€LED Structures. Crystal Research and Technology, 2020, 55, 1900215.	1.3	6
8	Overcoming the excessive compressive strain in AlGaN epitaxy by introducing high Si-doping in AlN templates. Japanese Journal of Applied Physics, 2020, 59, 070904.	1.5	16
9	Status and Prospects of AlN Templates on Sapphire for Ultraviolet Lightâ€Emitting Diodes. Physica Status Solidi (A) Applications and Materials Science, 2020, 217, 1901022.	1.8	34
10	Nanopatterned sapphire substrates in deep-UV LEDs: is there an optical benefit?. Optics Express, 2020, 28, 3619.	3.4	18
11	Improved performance of UVC-LEDs by combination of high-temperature annealing and epitaxially laterally overgrown AlN/sapphire. Photonics Research, 2020, 8, 589.	7.0	49
12	Impact of intermediate high temperature annealing on the properties of AlN/sapphire templates grown by metalorganic vapor phase epitaxy. Japanese Journal of Applied Physics, 2019, 58, SC1002.	1.5	34