

# Chris J Hodges

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/4786112/publications.pdf>

Version: 2024-02-01

15

papers

187

citations

1163117

8

h-index

1281871

11

g-index

15

all docs

15

docs citations

15

times ranked

236

citing authors

#	ARTICLE	IF	CITATIONS
1	On the link between electroluminescence, gate current leakage, and surface defects in AlGaN/GaN high electron mobility transistors upon off-state stress. <i>Applied Physics Letters</i> , 2012, 101, .	3.3	54
2	Optical investigation of degradation mechanisms in AlGaN/GaN high electron mobility transistors: Generation of non-radiative recombination centers. <i>Applied Physics Letters</i> , 2012, 100, .	3.3	31
3	Mechanism of hot electron electroluminescence in GaN-based transistors. <i>Journal Physics D: Applied Physics</i> , 2016, 49, 435101.	2.8	20
4	AlGaN/GaN field effect transistors for power electronicsâ€”Effect of finite GaN layer thickness on thermal characteristics. <i>Applied Physics Letters</i> , 2013, 103, .	3.3	18
5	Microwave-optical coupling via Rydberg excitons in cuprous oxide. <i>Physical Review Research</i> , 2022, 4, .	3.6	16
6	Rydberg excitons in synthetic cuprous oxide $\langle mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML">\langle mml:msub\rangle\langle mml:mi\rangle Cu \langle mml:mi\rangle \langle mml:mn\rangle 2 \langle /mml:mn\rangle \langle mml:msub\rangle\langle mml:mi\rangle O \langle /mml:mi\rangle \langle /mml:math\rangle$ . <i>Physical Review Materials</i> , 2021, 5, .		
7	Anomalous Green Luminescent Properties in CVD Synthetic Diamonds. <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2018, 215, 1800292.	1.8	11
8	Probing temperature gradients within the GaN buffer layer of AlGaN/GaN high electron mobility transistors with Raman thermography. <i>Journal of Applied Physics</i> , 2014, 115, .	2.5	10
9	High-resolution nanosecond spectroscopy of even-parity Rydberg excitons in $\langle mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML">\langle mml:mrow\rangle\langle mml:msub\rangle\langle mml:mi\rangle Cu \langle mml:mi\rangle \langle mml:mn\rangle 2 \langle /mml:mn\rangle \langle mml:msub\rangle\langle mml:mi\rangle O \langle /mml:mi\rangle \langle /mml:mrow\rangle \langle /mml:math\rangle$ . <i>Physical Review B</i> , 2022, 105, .		
10	Liquid crystal electrography: Electric field mapping and detection of peak electric field strength in AlGaN/GaN high electron mobility transistors. <i>Microelectronics Reliability</i> , 2014, 54, 921-925.	1.7	3
11	Analysis of strained surface layers of ZnO single crystals after irradiation with intense femtosecond laser pulses. <i>Applied Physics Letters</i> , 2013, 102, .	3.3	2
12	Monitoring the photocatalytic oxidation of water-based organic pollutants by FT-IR spectroscopy in real-time. , 2016, , .		0
13	Mid-infrared spectroscopy of sulphur and selenium donors in silicon for quantum optics. , 2016, , .		0
14	Solid state superatoms: Rydberg excitons in cuprous oxide. , 2017, , .		0
15	Giant Rydberg Excitons in Synthetic and Artificial Cuprous Oxide. , 2018, , .		0