

# Tim Batten

## List of Publications by Year in descending order

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Version: 2024-02-01

13  
papers

327  
citations

1307594

7  
h-index

1199594

12  
g-index

13  
all docs

13  
docs citations

13  
times ranked

886  
citing authors

#	ARTICLE	IF	CITATIONS
1	Non-destructive imaging of residual strains in GaN and their effect on optical and electrical properties using correlative light-electron microscopy. <i>Journal of Applied Physics</i> , 2022, 131, 075303.	2.5	1
2	Nanoscale Spatial Resolution in Far-Field Raman Imaging Using Hyperspectral Unmixing in Combination with Positivity Constrained Super-Resolution. <i>Applied Spectroscopy</i> , 2020, 74, 780-790.	2.2	4
3	Thick, Adherent Diamond Films on AlN with Low Thermal Barrier Resistance. <i>ACS Applied Materials &amp; Interfaces</i> , 2019, 11, 40826-40834.	8.0	45
4	Sub-Micron Spatial Resolution in Far-Field Raman Imaging Using Positivity-Constrained Super-Resolution. <i>Applied Spectroscopy</i> , 2019, 73, 902-909.	2.2	6
5	Coaxial nanowires as plasmon-mediated remote nanosensors. <i>Nanoscale</i> , 2018, 10, 6437-6444.	5.6	9
6	Optical characterization of magnesium incorporation in p-GaN layers for core-shell nanorod light-emitting diodes. <i>Journal Physics D: Applied Physics</i> , 2018, 51, 155103.	2.8	11
7	Decoupling of epitaxial graphene via gold intercalation probed by dispersive Raman spectroscopy. <i>Journal of Applied Physics</i> , 2015, 117, 183103.	2.5	3
8	Controlling the Orientation, Edge Geometry, and Thickness of Chemical Vapor Deposition Graphene. <i>ACS Nano</i> , 2013, 7, 1351-1359.	14.6	182
9	Reliability Assessment of a New Power Electronics Packaging Material: Silver Diamond Composite. <i>Journal of Microelectronics and Electronic Packaging</i> , 2013, 10, 54-58.	0.7	1
10	Improved thermal management for GaN power electronics: Silver diamond composite packages. <i>Microelectronics Reliability</i> , 2012, 52, 3022-3025.	1.7	18
11	Substrate-directed formation of calcium carbonate fibres. <i>Journal of Materials Chemistry</i> , 2009, 19, 387-398.	6.7	31
12	Single-crystalline B12As2 on m-plane (11 $\bar{1}$ 00)-SiC. <i>Applied Physics Letters</i> , 2008, 92, .	3.3	13
13	Characterising Strain/Stress and Defects in SiC Wafers Using Raman Imaging. <i>Materials Science Forum</i> , 0, 821-823, 229-232.	0.3	3