

Kevin Robert Bagnall

List of Publications by Year in descending order

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15
papers

651
citations

759233

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h-index

1058476

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15
all docs

15
docs citations

15
times ranked

962
citing authors

#	ARTICLE	IF	CITATIONS
1	Wide-Field Magnetic Field and Temperature Imaging Using Nanoscale Quantum Sensors. ACS Applied Materials & Interfaces, 2020, 12, 26525-26533.	8.0	41
2	High Heat Flux Evaporation of Low Surface Tension Liquids from Nanoporous Membranes. ACS Applied Materials & Interfaces, 2020, 12, 7232-7238.	8.0	36
3	Thermal Expansion Coefficient of Monolayer Molybdenum Disulfide Using Micro-Raman Spectroscopy. Nano Letters, 2019, 19, 4745-4751.	9.1	54
4	Theory of Thermal Time Constants in GaN High-Electron-Mobility Transistors. IEEE Transactions on Components, Packaging and Manufacturing Technology, 2018, 8, 606-620.	2.5	22
5	Nanoporous membrane device for ultra high heat flux thermal management. Microsystems and Nanoengineering, 2018, 4, 1.	7.0	154
6	Characterization of thin film evaporation in micropillar wicks using micro-Raman spectroscopy. Applied Physics Letters, 2018, 113, .	3.3	12
7	Experimental Characterization of the Thermal Time Constants of GaN HEMTs Via Micro-Raman Thermometry. IEEE Transactions on Electron Devices, 2017, 64, 2121-2128.	3.0	45
8	Simultaneous measurement of temperature, stress, and electric field in GaN HEMTs with micro-Raman spectroscopy. Review of Scientific Instruments, 2017, 88, 113111.	1.3	51
9	Electric field dependence of optical phonon frequencies in wurtzite GaN observed in GaN high electron mobility transistors. Journal of Applied Physics, 2016, 120, .	2.5	12
10	Contributed Review: Experimental characterization of inverse piezoelectric strain in GaN HEMTs via micro-Raman spectroscopy. Review of Scientific Instruments, 2016, 87, 061501.	1.3	10
11	Transient thermal dynamics of GaN HEMTs. , 2016, , .		9
12	Application of the Kirchhoff Transform to Thermal Spreading Problems With Convection Boundary Conditions. IEEE Transactions on Components, Packaging and Manufacturing Technology, 2014, 4, 408-420.	2.5	47
13	Analytical Solution for Temperature Rise in Complex Multilayer Structures With Discrete Heat Sources. IEEE Transactions on Components, Packaging and Manufacturing Technology, 2014, 4, 817-830.	2.5	62
14	Thermal Spreading Resistance and Heat Source Temperature in Compound Orthotropic Systems With Interfacial Resistance. IEEE Transactions on Components, Packaging and Manufacturing Technology, 2013, 3, 1826-1841.	2.5	64
15	Gas Adsorption Characteristics of Metal-Organic Frameworks via Quartz Crystal Microbalance Techniques. Journal of Physical Chemistry C, 2012, 116, 15313-15321.	3.1	32