

Matthew R King

List of Publications by Year in descending order

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Version: 2024-02-01

13
papers

370
citations

1163117

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h-index

1281871

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all docs

13
docs citations

13
times ranked

329
citing authors

#	ARTICLE	IF	CITATIONS
1	Experimental Demonstration of AlN Heat Spreaders for the Monolithic Integration of Inline Phase-Change Switches. IEEE Electron Device Letters, 2018, 39, 610-613.	3.9	13
2	Connecting post-pulsing electrical and microstructural features in GeTe-based inline phase change switches. Journal of Applied Physics, 2018, 124, .	2.5	4
3	Origin and Optimization of RF Power Handling Limitations in Inline Phase-Change Switches. IEEE Transactions on Electron Devices, 2017, 64, 3934-3942.	3.0	19
4	Structural and optical nanoscale analysis of GaN core-shell microrod arrays fabricated by combined top-down and bottom-up process on Si(111). Japanese Journal of Applied Physics, 2016, 55, 05FF02.	1.5	4
5	Morphological analysis of GeTe in inline phase change switches. Journal of Applied Physics, 2015, 118, .	2.5	16
6	Top-down fabrication of large-area GaN micro- and nanopillars. Journal of Vacuum Science and Technology B: Nanotechnology and Microelectronics, 2014, 32, .	1.2	36
7	Low-loss latching microwave switch using thermally pulsed non-volatile chalcogenide phase change materials. Applied Physics Letters, 2014, 105, .	3.3	55
8	12.5 THz Fco GeTe Inline Phase-Change Switch Technology for Reconfigurable RF and Switching Applications. , 2014, , .		37
9	Faceting control in core-shell GaN micropillars using selective epitaxy. APL Materials, 2014, 2, 106104.	5.1	3
10	Thermal analysis of an indirectly heat pulsed non-volatile phase change material microwave switch. Journal of Applied Physics, 2014, 116, .	2.5	26
11	Development of cap-free sputtered GeTe films for inline phase change switch based RF circuits. Journal of Vacuum Science and Technology B: Nanotechnology and Microelectronics, 2014, 32, .	1.2	23
12	A 7.3 THz Cut-Off Frequency, Inline, Chalcogenide Phase-Change RF Switch Using an Independent Resistive Heater for Thermal Actuation. , 2013, , .		36
13	A Four-Terminal, Inline, Chalcogenide Phase-Change RF Switch Using an Independent Resistive Heater for Thermal Actuation. IEEE Electron Device Letters, 2013, 34, 1313-1315.	3.9	98