

# Matthew R King

## List of Publications by Year in descending order

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13  
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329  
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#	ARTICLE	IF	CITATIONS
1	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
2	Low-loss latching microwave switch using thermally pulsed non-volatile chalcogenide phase change materials. Applied Physics Letters, 2014, 105, .	3.3	55
3	12.5 THz Fco GeTe Inline Phase-Change Switch Technology for Reconfigurable RF and Switching Applications. , 2014, , .		37
4	A 7.3 THz Cut-Off Frequency, Inline, Chalcogenide Phase-Change RF Switch Using an Independent Resistive Heater for Thermal Actuation. , 2013, , .		36
5	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
6	Thermal analysis of an indirectly heat pulsed non-volatile phase change material microwave switch. Journal of Applied Physics, 2014, 116, .	2.5	26
7	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
8	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
9	Morphological analysis of GeTe in inline phase change switches. Journal of Applied Physics, 2015, 118, .	2.5	16
10	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
11	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
12	Connecting post-pulsing electrical and microstructural features in GeTe-based inline phase change switches. Journal of Applied Physics, 2018, 124, .	2.5	4
13	Faceting control in core-shell GaN micropillars using selective epitaxy. APL Materials, 2014, 2, 106104.	5.1	3