

Timothy Brown

List of Publications by Year in descending order

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7
papers

79
citations

1478505

6
h-index

1720034

7
g-index

7
all docs

7
docs citations

7
times ranked

113
citing authors

#	ARTICLE	IF	CITATIONS
1	Physics-based compact modeling of electro-thermal memristors: Negative differential resistance, local activity, and non-local dynamical bifurcations. Applied Physics Reviews, 2022, 9, .	11.3	19
2	Atomic Hourglass and Thermometer Based on Diffusion of a Mobile Dopant in VO ₂ . Journal of the American Chemical Society, 2020, 142, 15513-15526.	13.7	23
3	Dynamic re-equilibration controlled multi-step transformations in (Mn,Fe) ₂ (P,Si) alloys. Journal Physics D: Applied Physics, 2020, 53, 205303.	2.8	1
4	Effects of hysteresis and Brayton cycle constraints on magnetocaloric refrigerant performance. Journal of Applied Physics, 2018, 123, .	2.5	8
5	Impact of cycle-hysteresis interactions on the performance of giant magnetocaloric effect refrigerants. Materials Research Express, 2016, 3, 074001.	1.6	13
6	Microstructure dependent filament forming kinetics in HfO ₂ programmable metallization cells. Nanotechnology, 2016, 27, 425709.	2.6	9
7	A Preisach-Based Nonequilibrium Methodology for Simulating Performance of Hysteretic Magnetic Refrigeration Cycles. Jom, 2015, 67, 2123-2132.	1.9	6