

Mukund Bapna

List of Publications by Year in descending order

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papers

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840585

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411
citing authors

#	ARTICLE	IF	CITATIONS
1	Bipolar Electric-Field Switching of Perpendicular Magnetic Tunnel Junctions through Voltage-Controlled Exchange Coupling. Nano Letters, 2022, 22, 622-629.	4.5	15
2	Magnetic stray fields in nanoscale magnetic tunnel junctions. Journal Physics D: Applied Physics, 2020, 53, 044001.	1.3	23
3	Effect of Mo capping in sub-100-nm CoFeB-MgO tunnel junctions with perpendicular magnetic anisotropy. Journal of Magnetism and Magnetic Materials, 2019, 483, 34-41.	1.0	1
4	Magnetic vortices in nanocaps induced by curvature. AIP Advances, 2018, 8, 056321.	0.6	10
5	Superparamagnetic perpendicular magnetic tunnel junctions for true random number generators. AIP Advances, 2018, 8, .	0.6	42
6	Spin-Orbit-Torque Switching in 20-nm Perpendicular Magnetic Tunnel Junctions. Physical Review Applied, 2018, 10, .	1.5	10
7	Current control of time-averaged magnetization in superparamagnetic tunnel junctions. Applied Physics Letters, 2017, 111, .	1.5	24
8	Magnetostatic effects on switching in small magnetic tunnel junctions. Applied Physics Letters, 2016, 108, .	1.5	14
9	Patterning of sub-50 nm perpendicular CoFeB/MgO-based magnetic tunnel junctions. Nanotechnology, 2016, 27, 185302.	1.3	7
10	Tracking the Verwey Transition in Single Magnetite Nanocrystals by Variable-Temperature Scanning Tunneling Microscopy. Journal of Physical Chemistry Letters, 2016, 7, 1661-1666.	2.1	20
11	Size and voltage dependence of effective anisotropy in sub-100-nm perpendicular magnetic tunnel junctions. Physical Review B, 2016, 94, .	1.1	19
12	Conductive Atomic Force Microscopy of Small Magnetic Tunnel Junctions With Interface Anisotropy. IEEE Transactions on Magnetics, 2015, 51, 1-4.	1.2	6
13	Ultrafast light induced unusually broad transient absorption in the sub-bandgap region of GeSe ₂ thin film. Scientific Reports, 2014, 4, 3686.	1.6	21
14	Airborne black carbon concentrations over an urban region in western India—temporal variability, effects of meteorology, and source regions. Environmental Science and Pollution Research, 2013, 20, 1617-1631.	2.7	23
15	Intensity-dependent transient photodarkening in visible and far infrared absorption spectra of As ₅₀ Se ₅₀ thin film. Materials Chemistry and Physics, 2013, 138, 479-483.	2.0	4
16	Nanosecond pulse triggered absorption modulation in a-As ₅₀ Se ₅₀ chalcogenide thin films. Journal of Non-Crystalline Solids, 2013, 377, 172-174.	1.5	0
17	Crossover from photodarkening to photobleaching in a-Ge _x Se _{100-x} thin films. Optics Letters, 2013, 38, 1682.	1.7	25
18	Light induced diffusion driven self assembly of Ag nanoparticles in a-Se/Ag bi-layer thin film with ultrafast optical response. Applied Physics Letters, 2013, 102, 213110.	1.5	17