

Mukund Bapna

List of Publications by Year in descending order

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18
papers

281
citations

840776

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17
g-index

18
all docs

18
docs citations

18
times ranked

411
citing authors

#	ARTICLE	IF	CITATIONS
1	Superparamagnetic perpendicular magnetic tunnel junctions for true random number generators. AIP Advances, 2018, 8, .	1.3	42
2	Crossover from photodarkening to photobleaching in a-Ge _x Se _{100-x} thin films. Optics Letters, 2013, 38, 1682.	3.3	25
3	Current control of time-averaged magnetization in superparamagnetic tunnel junctions. Applied Physics Letters, 2017, 111, .	3.3	24
4	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.	5.3	23
5	Magnetic stray fields in nanoscale magnetic tunnel junctions. Journal Physics D: Applied Physics, 2020, 53, 044001.	2.8	23
6	Ultrafast light induced unusually broad transient absorption in the sub-bandgap region of GeSe ₂ thin film. Scientific Reports, 2014, 4, 3686.	3.3	21
7	Tracking the Verwey Transition in Single Magnetite Nanocrystals by Variable-Temperature Scanning Tunneling Microscopy. Journal of Physical Chemistry Letters, 2016, 7, 1661-1666.	4.6	20
8	Size and voltage dependence of effective anisotropy in sub-100-nm perpendicular magnetic tunnel junctions. Physical Review B, 2016, 94, .	3.2	19
9	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.	3.3	17
10	Bipolar Electric-Field Switching of Perpendicular Magnetic Tunnel Junctions through Voltage-Controlled Exchange Coupling. Nano Letters, 2022, 22, 622-629.	9.1	15
11	Magnetostatic effects on switching in small magnetic tunnel junctions. Applied Physics Letters, 2016, 108, .	3.3	14
12	Magnetic vortices in nanocaps induced by curvature. AIP Advances, 2018, 8, 056321.	1.3	10
13	Spin-Orbit-Torque Switching in 20-nm Perpendicular Magnetic Tunnel Junctions. Physical Review Applied, 2018, 10, .	3.8	10
14	Patterning of sub-50 nm perpendicular CoFeB/MgO-based magnetic tunnel junctions. Nanotechnology, 2016, 27, 185302.	2.6	7
15	Conductive Atomic Force Microscopy of Small Magnetic Tunnel Junctions With Interface Anisotropy. IEEE Transactions on Magnetics, 2015, 51, 1-4.	2.1	6
16	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.	4.0	4
17	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.	2.3	1
18	Nanosecond pulse triggered absorption modulation in a-As ₅₀ Se ₅₀ chalcogenide thin films. Journal of Non-Crystalline Solids, 2013, 377, 172-174.	3.1	0