

Moumita Dutta

List of Publications by Year in descending order

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224
citing authors

#	ARTICLE	IF	CITATIONS
1	Core-shell magnetoelectric nanorobot – A remotely controlled probe for targeted cell manipulation. Scientific Reports, 2018, 8, 1755.	3.3	43
2	Magneto-elasto-electroporation (MEEP): In-vitro visualization and numerical characteristics. Scientific Reports, 2016, 6, 32019.	3.3	34
3	BaTiO ₃ Coated CoFe ₂ O ₄ – Core-Shell Magnetoelectric Nanoparticles (CSMEN) Characterization. Integrated Ferroelectrics, 2015, 166, 225-231.	0.7	23
4	Current Status of Oxide Dielectric Materials for Terahertz Applications – An Overview. Integrated Ferroelectrics, 2015, 166, 108-139.	0.7	12
5	THz Imaging of Skin Burn: Seeing the Unseen – An Overview. Advances in Wound Care, 2016, 5, 338-348.	5.1	11
6	Cell permeation using core-shell magnetoelectric nanoparticles. Integrated Ferroelectrics, 2016, 174, 186-194.	0.7	10
7	Directional dependence figure of merit analysis of piezoelectric materials. Integrated Ferroelectrics, 2016, 174, 26-33.	0.7	9
8	Magnetoelastoelectric coupling in core-shell nanoparticles enabling directional and mode-selective magnetic control of THz beam propagation. Nanoscale, 2017, 9, 13052-13059.	5.6	9
9	Control of crystalline characteristics of shell in core-shell magnetoelectric nanoparticles studied using HRTEM and holography. Ferroelectrics, 2016, 503, 68-76.	0.6	5
10	Terahertz electrical and optical properties of LiNbO ₃ single crystal thin films. , 2015, , .		3
11	Low frequency piezoresonance defined dynamic control of terahertz wave propagation. Scientific Reports, 2016, 6, 38041.	3.3	3
12	Defect-dipole defined nanoscale ferroelectric polar-orders induced in Barium Zirconate. Scripta Materialia, 2017, 130, 119-123.	5.2	3
13	Optical and microstructural characterization of multilayer Pb(Zr _{0.52} Ti _{0.48})O ₃ thin films correlating ellipsometry and nanoscopy. Journal of Materials Science, 2016, 51, 7944-7955.	3.7	2
14	Nanoscale structural and polar behavior in abalone and clamshell probed by scanning probe microscopy. Ferroelectrics, 2018, 533, 92-98.	0.6	1
15	Photoacoustic and magnetoelastic property of cobalt ferrite nanoparticles and its attenuation with barium titanate coating. Proceedings of SPIE, 2015, , .	0.8	0
16	Terahertz attenuators based on dielectric stacks with alternating refractive indices. Optical Engineering, 2017, 56, 1.	1.0	0