Navonil Bose

List of Publications by Year
in descending order

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30	783	623574	526166
papers	citations	14 h-index	27 g-index

32	32	32	772
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Significant enhancement of the electroactive Î²-phase of PVDF by incorporating hydrothermally synthesized copper oxide nanoparticles. RSC Advances, 2015, 5, 105422-105434.	1.7	105
2	Enhancement of electroactive Î² phase crystallization and dielectric constant of PVDF by incorporating GeO₂ and SiO₂ nanoparticles. Physical Chemistry Chemical Physics, 2015, 17, 22784-22798.	1.3	96
3	NiO@SiO₂/PVDF: A Flexible Polymer Nanocomposite for a High Performance Human Body Motion-Based Energy Harvester and Tactile e-Skin Mechanosensor. ACS Sustainable Chemistry and Engineering, 2018, 6, 10505-10516.	3.2	96
4	2D SnO2 nanosheet/PVDF composite based flexible, self-cleaning piezoelectric energy harvester. Energy Conversion and Management, 2019, 184, 600-608.	4.4	95
5	Poly(vinylidene fluoride)/submicron graphite platelet composite: A smart, lightweight flexible material with significantly enhanced Î² polymorphism, dielectric and microwave shielding properties. European Polymer Journal, 2017, 90, 442-455.	2.6	44
6	Ultraviolet- and Microwave-Protecting, Self-Cleaning e-Skin for Efficient Energy Harvesting and Tactile Mechanosensing. ACS Applied Materials & Interfaces, 2019, 11, 17501-17512.	4.0	42
7	Visible light driven degradation of brilliant green dye using titanium based ternary metal oxide photocatalyst. Results in Physics, 2019, 12, 1850-1858.	2.0	39
8	MWCNT@SiO₂ Heterogeneous Nanofiller-Based Polymer Composites: A Single Key to the High-Performance Piezoelectric Nanogenerator and X-band Microwave Shield. ACS Applied Nano Materials, 2018, 1, 4005-4018.	2.4	36
9	Smart, lightweight, flexible NiO/poly(vinylidene flouride) nanocomposites film with significantly enhanced dielectric, piezoelectric and EMI shielding properties. Journal of Polymer Research, 2017, 24, 1.	1.2	33
10	Lightweight, flexible NiO@SiO2/PVDF nanocomposite film for UV protection and EMI shielding application. Materials Research Bulletin, 2020, 124, 110746.	2.7	27
11	A comparative assessment of poly(vinylidene fluoride)/conducting polymer electrospun nanofiber membranes for biomedical applications. Journal of Applied Polymer Science, 2020, 137, 49115.	1.3	27
12	Study of optical properties of GeO2 nanocrystals as synthesized by hydrothermal technique. Materials Research Bulletin, 2012, 47, 1368-1373.	2.7	26
13	Methylene Blue/PVA composite film for flexible, wide-scale UVâ€“VIS laser cut-off filter. Materials Research Express, 2019, 6, 075332.	0.8	19
14	Delafossite type CuCo0.5Ti0.5O2 composite structure: A futuristic ceramics for supercapacitor and EMI shielding application. Ceramics International, 2021, 47, 9907-9922.	2.3	19
15	Crumpled graphene oxide/spinel cobalt oxide composite based high performance supercapacitive energy storage device. Journal of Energy Storage, 2021, 42, 103021.	3.9	16
16	Chicken feather fiber-based bio-piezoelectric energy harvester: an efficient green energy source for flexible electronics. Sustainable Energy and Fuels, 2021, 5, 1857-1866.	2.5	15
17	Performance of different normal dispersion fibers to generate triangular optical pulses. Optical and Quantum Electronics, 2017, 49, 1.	1.5	8
18	Temperature dependent dielectric properties of selfâ€standing and flexible poly(vinylidene fluoride) films infused with <scp>E</scp>r³⁺ doped <scp>G</scp>e<scp>O</scp>₂ and <scp>S</scp>i<scp>O</scp>₂ nanoparticles. Journal of Applied Polymer Science, 2016, 133, .	1.3	7

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19	Application of GeO2 nanoparticle as electrically erasable memory and its photo catalytic behaviour. Materials Research Express, 2018, 5, 065007.	0.8	7
20	Nonlinear pulse reshaping in a designed erbium-doped fiber amplifier with a multicladded index profile. Optical Engineering, 2013, 52, 086104.	0.5	6
21	GeO₂nanorods: synthesis, structural and photoluminescence properties. Materials Research Express, 2014, 1, 045013.	0.8	4
22	Parabolic pulse regeneration in normal dispersion-decreasing fibers and its equivalent substitutes in presence of third-order dispersion. Applied Physics B: Lasers and Optics, 2019, 125, 1.	1.1	4
23	Flexible alizarin red/PVA composites with colossal dielectric and high power laser filtering properties. Applied Physics A: Materials Science and Processing, 2020, 126, 1.	1.1	4
24	Parabolic and semiparabolic pulse dynamics in optical fibers. Optical Engineering, 2015, 54, 016108.	0.5	3
25	Optical properties of Bromothymol Blue/PVA Composite: Development of flexible high performance laser filter. Journal of Polymer Research, 2021, 28, 1.	1.2	2
26	Third-order optical nonlinearity of the CuCo05Ti05O2 nanostructure under 120â€‰â€‰fs laser irradiation. Applied Optics, 2019, 58, 9163.	0.9	1
27	Flexible, H-bond mediated bromophenol blue/poly(vinyl alcohol) composite for efficient laser filter application. Optical and Quantum Electronics, 2022, 54, 1.	1.5	1
28	Effect of Zinc Oxide Nanofiller on the Dielectric Properties of Polypropylene. , 2020, , .		1
29	Efficient parabolic similariton geneartion by third order dispersion compensation. , 2012, , .		0
30	Interaction of a Pair of Parabolic Self-similar Pulses in Nonlinearity Varying Chalcogenide Fibers (NVCFs). Lecture Notes in Networks and Systems, 2021, , 275-281.	0.5	0