

# Navonil Bose

## List of Publications by Year in descending order

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Version: 2024-02-01

30  
papers

783  
citations

623574

14  
h-index

526166

27  
g-index

32  
all docs

32  
docs citations

32  
times ranked

772  
citing authors

#	ARTICLE	IF	CITATIONS
1	Flexible, H-bond mediated bromophenol blue/poly(vinyl alcohol) composite for efficient laser filter application. <i>Optical and Quantum Electronics</i> , 2022, 54, 1.	1.5	1
2	Delafossite type CuCo <sub>0.5</sub> Ti <sub>0.5</sub> O <sub>2</sub> composite structure: A futuristic ceramics for supercapacitor and EMI shielding application. <i>Ceramics International</i> , 2021, 47, 9907-9922.	2.3	19
3	Chicken feather fiber-based bio-piezoelectric energy harvester: an efficient green energy source for flexible electronics. <i>Sustainable Energy and Fuels</i> , 2021, 5, 1857-1866.	2.5	15
4	Optical properties of Bromothymol Blue/PVA Composite: Development of flexible high performance laser filter. <i>Journal of Polymer Research</i> , 2021, 28, 1.	1.2	2
5	Crumpled graphene oxide/spinel cobalt oxide composite based high performance supercapacitive energy storage device. <i>Journal of Energy Storage</i> , 2021, 42, 103021.	3.9	16
6	Interaction of a Pair of Parabolic Self-similar Pulses in Nonlinearity Varying Chalcogenide Fibers (NVCFs). <i>Lecture Notes in Networks and Systems</i> , 2021, , 275-281.	0.5	0
7	Flexible alizarin red/PVA composites with colossal dielectric and high power laser filtering properties. <i>Applied Physics A: Materials Science and Processing</i> , 2020, 126, 1.	1.1	4
8	Lightweight, flexible NiO@SiO <sub>2</sub> /PVDF nanocomposite film for UV protection and EMI shielding application. <i>Materials Research Bulletin</i> , 2020, 124, 110746.	2.7	27
9	A comparative assessment of poly(vinylidene fluoride)/conducting polymer electrospun nanofiber membranes for biomedical applications. <i>Journal of Applied Polymer Science</i> , 2020, 137, 49115.	1.3	27
10	Effect of Zinc Oxide Nanofiller on the Dielectric Properties of Polypropylene. , 2020, , .		1
11	Visible light driven degradation of brilliant green dye using titanium based ternary metal oxide photocatalyst. <i>Results in Physics</i> , 2019, 12, 1850-1858.	2.0	39
12	Parabolic pulse regeneration in normal dispersion-decreasing fibers and its equivalent substitutes in presence of third-order dispersion. <i>Applied Physics B: Lasers and Optics</i> , 2019, 125, 1.	1.1	4
13	Ultraviolet- and Microwave-Protecting, Self-Cleaning e-Skin for Efficient Energy Harvesting and Tactile Mechanosensing. <i>ACS Applied Materials &amp; Interfaces</i> , 2019, 11, 17501-17512.	4.0	42
14	Methylene Blue/PVA composite film for flexible, wide-scale UV-Vis laser cut-off filter. <i>Materials Research Express</i> , 2019, 6, 075332.	0.8	19
15	2D SnO <sub>2</sub> nanosheet/PVDF composite based flexible, self-cleaning piezoelectric energy harvester. <i>Energy Conversion and Management</i> , 2019, 184, 600-608.	4.4	95
16	Third-order optical nonlinearity of the CuCo <sub>0.5</sub> Ti <sub>0.5</sub> O <sub>2</sub> nanostructure under 1200 fs laser irradiation. <i>Applied Optics</i> , 2019, 58, 9163.	0.9	1
17	Application of GeO <sub>2</sub> nanoparticle as electrically erasable memory and its photo catalytic behaviour. <i>Materials Research Express</i> , 2018, 5, 065007.	0.8	7
18	MWCNT@SiO <sub>2</sub> Heterogeneous Nanofiller-Based Polymer Composites: A Single Key to the High-Performance Piezoelectric Nanogenerator and X-band Microwave Shield. <i>ACS Applied Nano Materials</i> , 2018, 1, 4005-4018.	2.4	36

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19	NiO@SiO <sub>2</sub> /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
20	Poly(vinylidene fluoride)/submicron graphite platelet composite: A smart, lightweight flexible material with significantly enhanced $\hat{\epsilon}^2$ polymorphism, dielectric and microwave shielding properties. European Polymer Journal, 2017, 90, 442-455.	2.6	44
21	Performance of different normal dispersion fibers to generate triangular optical pulses. Optical and Quantum Electronics, 2017, 49, 1.	1.5	8
22	Smart, lightweight, flexible NiO/poly(vinylidene fluoride) nanocomposites film with significantly enhanced dielectric, piezoelectric and EMI shielding properties. Journal of Polymer Research, 2017, 24, 1.	1.2	33
23	Temperature dependent dielectric properties of self-standing and flexible poly(vinylidene fluoride) films infused with $E^{3+}$ doped $GEO_2$ and $SiO_2$ nanoparticles. Journal of Applied Polymer Science, 2016, 133, .	1.3	7
24	Parabolic and semiparabolic pulse dynamics in optical fibers. Optical Engineering, 2015, 54, 016108.	0.5	3
25	Enhancement of electroactive $\hat{\epsilon}^2$ phase crystallization and dielectric constant of PVDF by incorporating $GeO_2$ and $SiO_2$ nanoparticles. Physical Chemistry Chemical Physics, 2015, 17, 22784-22798.	1.3	96
26	Significant enhancement of the electroactive $\hat{\epsilon}^2$ -phase of PVDF by incorporating hydrothermally synthesized copper oxide nanoparticles. RSC Advances, 2015, 5, 105422-105434.	1.7	105
27	$GeO_2$ nanorods: synthesis, structural and photoluminescence properties. Materials Research Express, 2014, 1, 045013.	0.8	4
28	Nonlinear pulse reshaping in a designed erbium-doped fiber amplifier with a multicladded index profile. Optical Engineering, 2013, 52, 086104.	0.5	6
29	Efficient parabolic similariton generation by third order dispersion compensation. , 2012, , .		0
30	Study of optical properties of $GeO_2$ nanocrystals as synthesized by hydrothermal technique. Materials Research Bulletin, 2012, 47, 1368-1373.	2.7	26