Prasanna Kumar S Mural

List of Publications by Year
in descending order

23	510	759233 12	677142 22
papers	citations	h-index	g-index

24	24	24	685
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Surface silanized MWCNTs doped PVDF nanocomposite with self-organized dipoles: an intrinsic study on the dielectric, piezoelectric, ferroelectric, and energy harvesting phenomenology. Sustainable Energy and Fuels, 2022, 6, 1641-1653.	4.9	5
2	Investigating the Characteristics of Amino Silane Functionalized Alumina Nanoparticles Doped Epoxy Nanocomposite for High-Voltage Insulation. IEEE Nanotechnology Magazine, 2022, 21, 227-235.	2.0	2
3	Polycaprolactone-blended cellulose acetate thin-film composite membrane for dairy waste treatment using forward osmosis. Environmental Science and Pollution Research, 2022, 29, 86418-86426.	5.3	2
4	Zinc Oxide Nanoparticles Coated with (3-Aminopropyl)triethoxysilane as Additives for Boosting the Dielectric, Ferroelectric, and Piezoelectric Properties of Poly(vinylidene fluoride) Films for Energy Harvesting. ACS Applied Nano Materials, 2021, 4, 1798-1809.	5.0	18
5	Electrospun PVDF/silica thiol nanofiber for chromium exclusion. Materials Today: Proceedings, 2021, 47, 1461-1465.	1.8	1
6	Flexible electroactive <scp>PVDF</scp>/<scp>ZnO</scp> nanocomposite with high output power and current density. Polymer Engineering and Science, 2021, 61, 1829-1841.	3.1	13
7	Comparative study on thermal and electrical transport properties of hexagonal boron nitride and reduced graphene oxide/epoxy nanocomposite by transient plane source techniques and impedance spectroscopy. Journal of Materials Science: Materials in Electronics, 2021, 32, 25350-25362.	2.2	8
8	Development of self-poled PVDF/MWNT flexible nanocomposites with a boosted electroactive Î²-phase. New Journal of Chemistry, 2020, 44, 14578-14591.	2.8	19
9	Fabrication of novel nanogenerator from PVDF nanocomposites encompassing hybrid silanized MWCNTs. AIP Conference Proceedings, 2020, , .	0.4	1
10	h-BN and graphene oxide/epoxy nanocomposite â€“ A comparative study of mechanical, electrical and thermal properties. AIP Conference Proceedings, 2020, , .	0.4	1
11	Polymeric membranes derived from immiscible blends with hierarchical porous structures, tailored bio-interfaces and enhanced flux: Potential and key challenges. Nano Structures Nano Objects, 2018, 14, 149-165.	3.5	28
12	Processing Nanocomposites Based on Commodity Polymers. Springer Series in Materials Science, 2018, , 1-25.	0.6	0
13	Electrospun Polymer Nanocomposites. Springer Series in Materials Science, 2018, , 199-229.	0.6	3
14	Antibacterial Membranes for Water Remediation with Controlled Leaching of Biocidal Silver Aided by Prior Grafting of Poly(ethylene imine) on to Ozoneâ€Treated Polyethylene. ChemistrySelect, 2017, 2, 624-631.	1.5	7
15	Improving antifouling ability by site-specific silver decoration on polyethylene ionomer membranes for water remediation: assessed using 3D micro computed tomography, water flux and antibacterial studies. RSC Advances, 2016, 6, 88057-88065.	3.6	9
16	Chitosan Immobilized Porous Polyolefin As Sustainable and Efficient Antibacterial Membranes. ACS Sustainable Chemistry and Engineering, 2016, 4, 862-870.	6.7	39
17	Unimpeded permeation of water through biocidal graphene oxide sheets anchored on to 3D porous polyolefinic membranes. Nanoscale, 2016, 8, 8048-8057.	5.6	27
18	Engineering Nanostructures by Decorating Magnetic Nanoparticles onto Graphene Oxide Sheets to Shield Electromagnetic Radiations. ACS Applied Materials & Interfaces, 2015, 7, 16266-16278.	8.0	82

#	Article	IF	Citations
19	Porous membranes designed from bi-phasic polymeric blends containing silver decorated reduced graphene oxide synthesized via a facile one-pot approach. RSC Advances, 2015, 5, 32441-32451.	3.6	45
20	A critical review on in situ reduction of graphene oxide during preparation of conducting polymeric nanocomposites. RSC Advances, 2015, 5, 32078-32087.	3.6	43
21	Polyolefin based antibacterial membranes derived from PE/PEO blends compatibilized with amine terminated graphene oxide and maleated PE. Journal of Materials Chemistry A, 2014, 2, 17635-17648.	10.3	104
22	PE/PEO blends compatibilized by PE brush immobilized on MWNTs: improved interfacial and structural properties. RSC Advances, 2014, 4, 16250-16259.	3.6	19
23	Positive temperature coefficient and structural relaxations in selectively localized MWNTs in PE/PEO blends. RSC Advances, 2014, 4, 4943.	3.6	34