

Hemalatha Parangusan

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

21 papers	593 citations	12 h-index	21 g-index
21 ext. papers	755 ext. citations	3.8 avg, IF	4.83 L-index

#	Paper	IF	Citations
21	Stretchable Electrospun PVDF-HFP/Co-ZnO Nanofibers as Piezoelectric Nanogenerators. <i>Scientific Reports</i> , 2018 , 8, 754	4.9	155
20	Stretchable quaternary phasic PVDF-HFP nanocomposite films containing graphene-titania-SrTiO ₃ for mechanical energy harvesting. <i>Emergent Materials</i> , 2018 , 1, 55-65	3.5	80
19	Flexible tri-layer piezoelectric nanogenerator based on PVDF-HFP/Ni-doped ZnO nanocomposites. <i>RSC Advances</i> , 2017 , 7, 50156-50165	3.7	62
18	Smart and robust electrospun fabrics of piezoelectric polymer nanocomposite for self-powering electronic textiles. <i>Materials and Design</i> , 2019 , 184, 108176	8.1	52
17	Nanoflower-like Yttrium-doped ZnO Photocatalyst for the Degradation of Methylene Blue Dye. <i>Photochemistry and Photobiology</i> , 2018 , 94, 237-246	3.6	36
16	Investigation on the effect of γ irradiation on the dielectric and piezoelectric properties of stretchable PVDF/Fe-ZnO nanocomposites for self-powering devices. <i>Soft Matter</i> , 2018 , 14, 8803-8813	3.6	34
15	Toward High Power Generating Piezoelectric Nanofibers: Influence of Particle Size and Surface Electrostatic Interaction of Ce-FeO and Ce-CoO on PVDF. <i>ACS Omega</i> , 2019 , 4, 6312-6323	3.9	29
14	Electrospun nanofibers of PVDF-HFP composites containing magnetic nickel ferrite for energy harvesting application. <i>Materials Chemistry and Physics</i> , 2020 , 239, 122257	4.4	27
13	Effect of cerium doping on the optical and photocatalytic properties of ZnO nanoflowers. <i>Bulletin of Materials Science</i> , 2019 , 42, 1	1.7	26
12	Designing Carbon Nanotube-Based Oil Absorbing Membranes from Gamma Irradiated and Electrospun Polystyrene Nanocomposites. <i>Materials</i> , 2019 , 12,	3.5	21
11	Investigation of antimicrobial properties and in-vitro bioactivity of Ce ³⁺ -Sr ²⁺ -dual-substituted nano hydroxyapatites. <i>Journal of the American Ceramic Society</i> , 2019 , 102, 144-157	3.8	15
10	Reduction in piezoelectric voltage generation for the cerium doped nickel ferrite nanoparticles filled PVDF-HFP nanocomposites. <i>Results in Physics</i> , 2019 , 13, 102130	3.7	13
9	Flexible piezoelectric nanogenerator based on [P(VDF-HFP)]/ PANI-ZnS electrospun nanofibers for electrical energy harvesting. <i>Journal of Materials Science: Materials in Electronics</i> , 2021 , 32, 6358-6368	2.1	11
8	White Graphene-Cobalt Oxide Hybrid Filler Reinforced Polystyrene Nanofibers for Selective Oil Absorption. <i>Polymers</i> , 2019 , 12,	4.5	10
7	Electrospun Polystyrene/PANI-Ag fibers for organic dye removal and antibacterial application. <i>Journal of Environmental Chemical Engineering</i> , 2020 , 8, 103746	6.8	8
6	Effect of anions on the structural, morphological and dielectric properties of hydrothermally synthesized hydroxyapatite nanoparticles. <i>SN Applied Sciences</i> , 2020 , 2, 1	1.8	5
5	Humidity sensor based on poly(lactic acid)/PANI-ZnO composite electrospun fibers.. <i>RSC Advances</i> , 2021 , 11, 28735-28743	3.7	4

4	Investigation of the structural, optical and gas sensing properties of PANI coated Cu-ZnS microsphere composite.. <i>RSC Advances</i> , 2020 , 10, 26604-26612	3.7	3
3	Electrical and Electrochemical Characteristics of Withania somnifera Leaf Extract Incorporation Sodium Alginate Polymer Film for Energy Storage Applications. <i>Journal of Inorganic and Organometallic Polymers and Materials</i> , 2022 , 32, 583	3.2	2
2	Development of a piezoelectric nanogenerator based on mesoporous silica/zinc oxide hybrid nanocomposite fibres. <i>International Journal of Energy Research</i> ,	4.5	
1	Electrospun PVDF/ZnO Based Composite Fibers for Oil Absorption and Photocatalytic Degradation of Organic Dyes from Waste Water. <i>Fibers and Polymers</i> ,1	2	