

Prosenjit Biswas

List of Publications by Year in descending order

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14
papers

580
citations

933447

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1058476

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#	ARTICLE	IF	CITATIONS
1	Superior performances of in situ synthesized ZnO/PVDF thin film based self-poled piezoelectric nanogenerator and self-charged photo-power bank with high durability. <i>Nano Energy</i> , 2018, 44, 456-467.	16.0	202
2	Biowaste crab shell-extracted chitin nanofiber-based superior piezoelectric nanogenerator. <i>Journal of Materials Chemistry A</i> , 2018, 6, 13848-13858.	10.3	95
3	Er ³⁺ /Fe ³⁺ Stimulated Electroactive, Visible Light Emitting, and High Dielectric Flexible PVDF Film Based Piezoelectric Nanogenerators: A Simple and Superior Self-Powered Energy Harvester with Remarkable Power Density. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 23048-23059.	8.0	90
4	Highly Efficient and Durable Piezoelectric Nanogenerator and Photo-power cell Based on CTAB Modified Montmorillonite Incorporated PVDF Film. <i>ACS Sustainable Chemistry and Engineering</i> , 2019, 7, 4801-4813.	6.7	46
5	Antimicrobial and biocompatible fluorescent hydroxyapatite-chitosan nanocomposite films for biomedical applications. <i>Colloids and Surfaces B: Biointerfaces</i> , 2018, 171, 300-307.	5.0	45
6	Photo-Rechargeable Organic-Inorganic Dye-Integrated Polymeric Power Cell with Superior Performance and Durability. <i>Langmuir</i> , 2019, 35, 6346-6355.	3.5	20
7	Development of a Sustainable and Biodegradable <i>Sonchus asper</i> Cotton Pappus Based Piezoelectric Nanogenerator for Instrument Vibration and Human Body Motion Sensing with Mechanical Energy Harvesting Applications. <i>ACS Omega</i> , 2021, 6, 28710-28717.	3.5	19
8	Portable Self-Powered Piezoelectric Nanogenerator and Self-Charging Photo-Power Pack Using In Situ Formed Multifunctional Calcium Phosphate Nanorod-Doped PVDF Films. <i>Langmuir</i> , 2019, 35, 17016-17026.	3.5	16
9	In situ synthesized electroactive and large dielectric BaF ₂ /PVDF nanocomposite film for superior and highly durable self-charged hybrid photo-power cell. <i>Energy Conversion and Management</i> , 2018, 171, 1083-1092.	9.2	12
10	Self-Polarized ZrO ₂ /Poly(vinylidene fluoride-co-hexafluoropropylene) Nanocomposite-Based Piezoelectric Nanogenerator and Single-Electrode Triboelectric Nanogenerator for Sustainable Energy Harvesting from Human Movements. <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2021, 218, 2000695.	1.8	11
11	Essential oil impregnated luminescent hydroxyapatite: Antibacterial and cytotoxicity studies. <i>Materials Science and Engineering C</i> , 2020, 116, 111190.	7.3	10
12	In situ synthesized SrF ₂ /polyvinylidene fluoride nanocomposite film based photo-power cell with imperious performance and stability. <i>Electrochimica Acta</i> , 2018, 282, 194-204.	5.2	5
13	Sustainable and superior polymeric piezoelectric nanogenerator for sensing human body vibration, air flow, and water wave. <i>Applied Physics Letters</i> , 2021, 118, .	3.3	5
14	Self-charging photo-power cell based on a novel polymer nanocomposite film with high energy density and durability. <i>Polymer Journal</i> , 2019, 51, 1197-1209.	2.7	4