

Arpan Kool

List of Publications by Year in descending order

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29
papers

1,108
citations

471509

17
h-index

477307

29
g-index

30
all docs

30
docs citations

30
times ranked

1250
citing authors

#	ARTICLE	IF	CITATIONS
1	Essential oil impregnated luminescent hydroxyapatite: Antibacterial and cytotoxicity studies. <i>Materials Science and Engineering C</i> , 2020, 116, 111190.	7.3	10
2	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
3	Photo-Rechargeable Organic-Inorganic Dye-Integrated Polymeric Power Cell with Superior Performance and Durability. <i>Langmuir</i> , 2019, 35, 6346-6355.	3.5	20
4	A facile vacuum assisted synthesis of nanoparticle impregnated hydroxyapatite composites having excellent antimicrobial properties and biocompatibility. <i>Ceramics International</i> , 2018, 44, 1066-1077.	4.8	25
5	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
6	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
7	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
8	Enhancement of Thermoelectric Performance in Oligomeric PEDOT-SWCNT Nanocomposite via Band Gap Tuning. <i>ChemistrySelect</i> , 2018, 3, 8992-8997.	1.5	9
9	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
10	Optical and dielectric properties of hydrothermally synthesized Ni(OH) ₂ nanoparticles: a morphology and size dependent study. <i>Journal of Materials Science: Materials in Electronics</i> , 2017, 28, 5375-5383.	2.2	5
11	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
12	4-Chlorochalcone-Assisted Electroactive Polyvinylidene Fluoride Film-Based Energy Storage System Capable of Self-Charging Under Light. <i>Energy Technology</i> , 2017, 5, 2205-2215.	3.8	24
13	Synthesis of nanocrystalline photoluminescent mullite using sacrificial cotton wool and filter paper templates. <i>Journal of the American Ceramic Society</i> , 2017, 100, 4836-4847.	3.8	3
14	Salt-melt synthesis of B ₂ O ₃ , P ₂ O ₅ and V ₂ O ₅ modified high-alumina mullite nanocomposites with promising photoluminescence properties. <i>Materials Research Express</i> , 2017, 4, 105005.	1.6	5
15	Electroactive and High Dielectric Folic Acid/PVDF Composite Film Rooted Simplistic Organic Photovoltaic Self-Charging Energy Storage Cell with Superior Energy Density and Storage Capability. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 24198-24209.	8.0	45
16	Improving the thermal stability, electroactive $\hat{1}^2$ phase crystallization and dielectric constant of NiO nanoparticle/Ca-NiO nanocomposite embedded flexible poly(vinylidene fluoride) thin films. <i>RSC Advances</i> , 2016, 6, 26288-26299.	3.6	33
17	Physico-chemical property-driven dielectric behaviour and catalytic activity of nanocrystalline mullite synthesized from monophasic precursor gel. <i>Journal of Sol-Gel Science and Technology</i> , 2016, 80, 769-782.	2.4	9
18	Synthesis of eucalyptus/tea tree oil absorbed biphasic calcium phosphate-PVDF polymer nanocomposite films: a surface active antimicrobial system for biomedical application. <i>Physical Chemistry Chemical Physics</i> , 2016, 18, 16775-16785.	2.8	17

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19	Tunable photoluminescence emissions and large dielectric constant of the electroactive poly(vinylidene fluoride-hexafluoropropylene) thin films modified with SnO ₂ nanoparticles. RSC Advances, 2016, 6, 29931-29943.	3.6	26
20	Effect of in situ synthesized Fe ₂ O ₃ and Co ₃ O ₄ nanoparticles on electroactive $\hat{\Gamma}^2$ phase crystallization and dielectric properties of poly(vinylidene fluoride) thin films. Physical Chemistry Chemical Physics, 2015, 17, 1368-1378.	2.8	104
21	Improvement of electroactive $\hat{\Gamma}^2$ phase nucleation and dielectric properties of WO ₃ ·H ₂ O nanoparticle loaded poly(vinylidene fluoride) thin films. RSC Advances, 2015, 5, 62819-62827.	3.6	41
22	In situ synthesis of Ni(OH) ₂ nanobelt modified electroactive poly(vinylidene fluoride) thin films: remarkable improvement in dielectric properties. Physical Chemistry Chemical Physics, 2015, 17, 13082-13091.	2.8	83
23	The role of cerium(III)/yttrium(III) nitrate hexahydrate salts on electroactive $\hat{\Gamma}^2$ phase nucleation and dielectric properties of poly(vinylidene fluoride) thin films. RSC Advances, 2015, 5, 28487-28496.	3.6	79
24	Mechanical, dielectric and photoluminescence properties of alumina-mullite composite derived from natural Ganges clay. Applied Clay Science, 2015, 114, 349-358.	5.2	36
25	An efficient three-component synthesis of coumarin-3-carbamides by use of NiO nanoparticles as magnetically separable catalyst. RSC Advances, 2015, 5, 70718-70725.	3.6	11
26	Sol-gel synthesis of transition-metal ion conjugated alumina-rich mullite nanocomposites with potential mechanical, dielectric and photoluminescence properties. RSC Advances, 2015, 5, 104299-104313.	3.6	17
27	In situ synthesis of environmentally benign montmorillonite supported composites of Au/Ag nanoparticles and their catalytic activity in the reduction of p-nitrophenol. RSC Advances, 2014, 4, 61114-61123.	3.6	18
28	Effect of vanadic anhydride and copper oxide on the development of hard porcelain composite and its antibacterial activity. Journal of Asian Ceramic Societies, 2014, 2, 297-304.	2.3	5
29	Enhancement of $\hat{\Gamma}^2$ phase crystallization and dielectric behavior of kaolinite/halloysite modified poly(vinylidene fluoride) thin films. Applied Clay Science, 2014, 99, 149-159.	5.2	125