

Sukhen Das

List of Publications by Year in descending order

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226
papers

5,429
citations

87888

38
h-index

118850

62
g-index

229
all docs

229
docs citations

229
times ranked

5808
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.	3.3	1
2	Metal oxide/graphene nanocomposites and their biomedical applications. , 2022, , 569-584.		1
3	Recent advances in piezocatalytic polymer nanocomposites for wastewater remediation. <i>Dalton Transactions</i> , 2022, 51, 451-462.	3.3	28
4	Carbon Dots: Fundamental Concepts and Biomedical Applications. <i>Materials Horizons</i> , 2022, , 83-108.	0.6	1
5	A family of amphiphilic dioxidovanadium(V) hydrazone complexes as potent carbonic anhydrase inhibitors along with anti-diabetic and cytotoxic activities. <i>BioMetals</i> , 2022, 35, 499-517.	4.1	2
6	Real-time sensitive detection of Cr (VI) in industrial wastewater and living cells using carbon dot decorated natural kyanite nanoparticles. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2022, 273, 121061.	3.9	3
7	Modulation of structural, morphological and electrical charge transport property of Cr-doped ZnO nanomaterials prepared by chemical process. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , 2022, 280, 115688.	3.5	5
8	Biocompatible Carbon Dot Decorated γ -FeOOH Nanohybrid for an Effective Fluorometric Sensing of Cr (VI) in Wastewater and Living Cells. <i>Journal of Fluorescence</i> , 2022, 32, 1489-1500.	2.5	2
9	Effect of microstructural evolution of natural kaolinite due to MWCNT doping: a futuristic "green electrode"™ for energy harvesting applications. <i>Journal of Materials Science: Materials in Electronics</i> , 2022, 33, 13826-13842.	2.2	2
10	Poly(3,4 ethylenedioxythiophene)-tosylate™ Its synthesis, properties and various applications. <i>Polymers for Advanced Technologies</i> , 2021, 32, 1409-1427.	3.2	9
11	Delafossite type CuCo _{0.5} Ti _{0.5} O ₂ composite structure: A futuristic ceramics for supercapacitor and EMI shielding application. <i>Ceramics International</i> , 2021, 47, 9907-9922.	4.8	19
12	Optical properties of Bromothymol Blue/PVA Composite: Development of flexible high performance laser filter. <i>Journal of Polymer Research</i> , 2021, 28, 1.	2.4	2
13	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
14	Flexible and reusable carbon dot decorated natural microcline membrane: a futuristic probe for multiple heavy metal induced carcinogen detection. <i>Mikrochimica Acta</i> , 2021, 188, 134.	5.0	9
15	High-efficiency picosecond mode-locked laser using a thulium-doped nanoengineered yttrium-alumina-silica fiber as the gain medium. <i>Optics Express</i> , 2021, 29, 14682.	3.4	4
16	Effect of Size Fractionation on Purity, Thermal Stability and Electrical Properties of Natural Hematite. <i>Journal of Electronic Materials</i> , 2021, 50, 3836-3845.	2.2	11
17	An in-vivo interpretation for validating the ameliorative efficacy of green synthesized MnO ₂ nano-conjugate using Carica Papaya (Papaya) leaf extract against acute hepatic damage. <i>Journal of Drug Delivery Science and Technology</i> , 2021, 66, 102774.	3.0	1
18	Polymeric carbon dot/boehmite nanocomposite made portable sensing device (Kavach) for non-invasive and selective detection of Cr(VI) in wastewater and living cells. <i>Sensors and Actuators B: Chemical</i> , 2021, 348, 130662.	7.8	14

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19	Copper doped MnO_2 nano-sphere: metamaterial for enhanced supercapacitor and microwave shielding applications. <i>Journal of Materials Chemistry C</i> , 2021, 9, 5132-5147.	5.5	24
20	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
21	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.	2.3	4
22	Re-usable self-poled piezoelectric/piezocatalytic films with exceptional energy harvesting and water remediation capability. <i>Nano Energy</i> , 2020, 78, 105339.	16.0	90
23	Novel Algorithms for In Silico Peptide Vaccine Design with Reference to Ebola Virus. , 2020, , .		0
24	Enhancement of EMI shielding effectiveness of flexible Co ₂ U-type hexaferrite (Ba ₄ Co ₂ Fe ₃₆ O ₆₀)-poly(vinylidene fluoride) heterostructure composite materials: An improved radar absorbing material to combat against electromagnetic pollution. <i>Journal of Applied Physics</i> , 2020, 128, .	2.5	12
25	<i>In Situ</i> -Grown Cd ₂ S-Decorated ZnO Nanoparticles for Cr(VI) Sensing in Wastewater and a Theoretical Probe for Chromium-Induced Carcinogen Detection. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 43833-43843.	8.0	23
26	Waste capacitor: A fresh approach to detect and remove Cr(VI) from water and making it an energy harvesting material. <i>Materials Today: Proceedings</i> , 2020, , .	1.8	1
27	Essential oil impregnated luminescent hydroxyapatite: Antibacterial and cytotoxicity studies. <i>Materials Science and Engineering C</i> , 2020, 116, 111190.	7.3	10
28	Nitrogenous carbon dot decorated natural microcline: an ameliorative dual fluorometric probe for Fe ³⁺ and Cr ⁶⁺ detection. <i>Dalton Transactions</i> , 2020, 49, 10554-10566.	3.3	21
29	Cu(II) and Gd(III) doped boehmite nanostructures: a comparative study of electrical property and thermal stability. <i>Materials Research Express</i> , 2020, 7, 025020.	1.6	8
30	Colossal dielectric and room temperature ferromagnetic response in CCoTO delafossite type nanostructure. <i>Solid State Sciences</i> , 2020, 102, 106136.	3.2	7
31	Development of a Cu(II) doped boehmite based multifunctional sensor for detection and removal of Cr(VI) from wastewater and conversion of Cr(VI) into an energy harvesting source. <i>Dalton Transactions</i> , 2020, 49, 6607-6615.	3.3	9
32	Gum acacia capped ZnO nanoparticles, a smart biomaterial for cell imaging and therapeutic applications. <i>Advances in Natural Sciences: Nanoscience and Nanotechnology</i> , 2020, 11, 035015.	1.5	2
33	Combination Therapy Against Indian Visceral Leishmaniasis with Liposomal Amphotericin B (Fungisome TM) and Short-Course Miltefosine in Comparison to Miltefosine Monotherapy. <i>American Journal of Tropical Medicine and Hygiene</i> , 2020, 103, 308-314.	1.4	10
34	Investigation of giant dielectric and room temperature ferromagnetic response of facile CZTO nanostructure. <i>Journal of Materials Science: Materials in Electronics</i> , 2019, 30, 13108-13117.	2.2	5
35	Colossal Dielectric Response of PVDF-HFP Amalgamated Ultra-Low-Density Metal-Derived Nanoparticles: Frontier of an Excellent Charge Separator. <i>Journal of Electronic Materials</i> , 2019, 48, 5570-5580.	2.2	4
36	Nanoparticle Size-Dependent Antibacterial Activities in Natural Minerals. <i>Journal of Nanoscience and Nanotechnology</i> , 2019, 19, 7112-7122.	0.9	37

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37	Fluorescence turn-on and turn-off sensing of pesticides by carbon dot-based sensor. <i>New Journal of Chemistry</i> , 2019, 43, 12137-12151.	2.8	53
38	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
39	Dependence of thermoelectric power and electrical conductivity on structural order of PEDOT-Tos-graphene nanocomposite via charge carrier mobility. <i>Materials Research Express</i> , 2019, 6, 105095.	1.6	12
40	Effect of hydrothermal synthesis on physical property modulation and biological activity of ZnO nanorods. <i>Materials Research Express</i> , 2019, 6, 1250f7.	1.6	9
41	Photo-charging polymeric sodium-ion cell based on YSZ/PVDF film. <i>Applied Physics Letters</i> , 2019, 115, .	3.3	2
42	Visible light driven degradation of brilliant green dye using titanium based ternary metal oxide photocatalyst. <i>Results in Physics</i> , 2019, 12, 1850-1858.	4.1	39
43	Gd(III)-Doped Boehmite Nanoparticle: An Emergent Material for the Fluorescent Sensing of Cr(VI) in Wastewater and Live Cells. <i>Inorganic Chemistry</i> , 2019, 58, 8369-8378.	4.0	27
44	Microstructure and Dielectric Properties of Naturally Formed Microcline and Kyanite: A Size-Dependent Study. <i>Crystal Growth and Design</i> , 2019, 19, 4588-4601.	3.0	15
45	Influence of different Cr concentrations on the structural and ferromagnetic properties of ZnO nanomaterials prepared by the hydrothermal synthesis route. <i>Materials Research Bulletin</i> , 2019, 118, 110480.	5.2	11
46	Î²-Phase improved Mn-Zn-Cu-ferrite-PVDF nanocomposite film: A metamaterial for enhanced microwave absorption. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , 2019, 245, 17-29.	3.5	34
47	Curcumin ameliorates the targeted delivery of methotrexate intercalated montmorillonite clay to cancer cells. <i>European Journal of Pharmaceutical Sciences</i> , 2019, 135, 91-102.	4.0	26
48	Reduction of electromagnetic pollution by the enhancement of microwave absorption of strontium hexaferrite functionalized poly(vinylidene fluoride) composite film. <i>Materials Research Express</i> , 2019, 6, 086424.	1.6	11
49	Photo-Rechargeable Organicâ€“Inorganic Dye-Integrated Polymeric Power Cell with Superior Performance and Durability. <i>Langmuir</i> , 2019, 35, 6346-6355.	3.5	20
50	Size engineered Cu-doped Î±-MnO ₂ nanoparticles for exaggerated photocatalytic activity and energy storage application. <i>Materials Research Bulletin</i> , 2019, 115, 159-169.	5.2	58
51	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
52	Functionalised biomimetic hydroxyapatite NPs as potential agent against pathogenic multidrug-resistant bacteria. <i>Advances in Natural Sciences: Nanoscience and Nanotechnology</i> , 2019, 10, 045017.	1.5	3
53	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
54	Folic acid conjugated curcumin loaded biopolymeric gum acacia microsphere for triple negative breast cancer therapy in invitro and invivo model. <i>Materials Science and Engineering C</i> , 2019, 95, 204-216.	7.3	88

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55	Application of silica nanoparticles to develop faujasite nanocomposite for heavy metal and carcinogenic dye degradation. <i>Environmental Progress and Sustainable Energy</i> , 2019, 38, S15.	2.3	11
56	Homeopathic Nanomedicines and Their Effect on the Environment. , 2019, , 2135-2157.		1
57	Effect of Cuprum metallicum potentised through both serial dilution and succussion in comparison to succussion alone on Escherichia coli bacterial system and electrical properties of poly (vinylidene) Tj ETQq1 1 0.784314 rgBT /Over		
58	High dielectric response of cobalt aluminate mullite (CAM) nanocomposite over cobalt aluminate mullite polymer (CAMP) nanocomposite in PVDF matrix. <i>Journal of Electroceramics</i> , 2018, 40, 347-359.	2.0	9
59	Enhancement of room-temperature ferromagnetism and dielectric response in nanocrystalline ZnO co-doped with Co and Cu. <i>Journal of Alloys and Compounds</i> , 2018, 749, 1-9.	5.5	21
60	Effect of Homeopathic Dilutions of Cuprum Arsenicosum on the Electrical Properties of Poly(Vinylidene Fluoride-Co-Hexafluoropropylene). <i>Homeopathy</i> , 2018, 107, 130-136.	1.0	7
61	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
62	Defect induced room-temperature ferromagnetism and enhanced dielectric property in nanocrystalline ZnO co-doped with Tb and Co. <i>Journal of Alloys and Compounds</i> , 2018, 731, 591-599.	5.5	30
63	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
64	Bioinformatic analysis of envelope gene of the dengue type 3 prevalent in India from 2005 onwards and comparison with dengue type 1. <i>International Journal of Bioinformatics Research and Applications</i> , 2018, 14, 357.	0.2	0
65	Synthesis and Property of Copper-Impregnated In_2MnO_7 Semiconductor Quantum Dots. <i>Langmuir</i> , 2018, 34, 12702-12712.	3.5	25
66	Iron-Doped, Mullite-Impregnated PVDF Composite: An Alternative Separator for a High Charge Storage Ceramic Capacitor. <i>Journal of Electronic Materials</i> , 2018, 47, 7075-7084.	2.2	7
67	Effects of various morphologies on the optical and electrical properties of boehmite nanostructures. <i>CrystEngComm</i> , 2018, 20, 6338-6350.	2.6	23
68	Hydrothermal process assists undoped and Cr-doped semiconducting ZnO nanorods: Frontier of dielectric property. <i>Journal of Applied Physics</i> , 2018, 123, .	2.5	34
69	Lattice-Defect-Induced Piezo Response in Methylammonium-Lead-Iodide Perovskite Based Nanogenerator. <i>ChemistrySelect</i> , 2018, 3, 5304-5312.	1.5	19
70	Crystallinity mediated variation in optical and electrical properties of hydrothermally synthesized boehmite (In_2AlOOH) nanoparticles. <i>Journal of Alloys and Compounds</i> , 2018, 763, 749-758.	5.5	46
71	Enhancement of In_2 -phase crystallization and electrical properties of PVDF by impregnating ultra high diluted novel metal derived nanoparticles: prospect of use as a charge storage device. <i>Journal of Materials Science: Materials in Electronics</i> , 2018, 29, 14535-14545.	2.2	13
72	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

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73	Biowaste crab shell-extracted chitin nanofiber-based superior piezoelectric nanogenerator. <i>Journal of Materials Chemistry A</i> , 2018, 6, 13848-13858.	10.3	95
74	Influence of Ni-Zn-Cu-ferrite on electroactive \hat{I}^2 -phase in poly(vinylidene fluoride)-Ni-Zn-Cu-ferrite nanocomposite film: Unique metamaterial for enhanced microwave absorption. <i>Journal of Applied Physics</i> , 2018, 124, .	2.5	23
75	Graphical representation methods: How well do they discriminate between homologous gene sequences?. <i>Chemical Physics</i> , 2018, 513, 156-164.	1.9	2
76	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
77	Enhancement of Thermoelectric Performance in Oligomeric PEDOT \hat{a} WCNT Nanocomposite via Band Gap Tuning. <i>ChemistrySelect</i> , 2018, 3, 8992-8997.	1.5	9
78	Tungsten doped hydroxyapatite processed at different temperatures: dielectric behaviour and anti-microbial properties. <i>New Journal of Chemistry</i> , 2018, 42, 16948-16959.	2.8	13
79	Design of a compact quad \hat{a} band antenna with independent frequency tuning. <i>Electronics Letters</i> , 2018, 54, 920-922.	1.0	6
80	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
81	Homeopathic Nanomedicines and Their Effect on the Environment. , 2018, , 1-23.		1
82	Base Distribution in Dengue Nucleotide Sequences Differs Significantly from Other Mosquito-Borne Human-Infecting Flavivirus Members. <i>Current Computer-Aided Drug Design</i> , 2018, 15, 29-44.	1.2	2
83	Enhanced dielectric properties and conductivity of trituated copper and cobalt nanoparticles-doped PVDF-HFP film and their possible use in electronic industry. <i>Materials Research Innovations</i> , 2017, 21, 166-171.	2.3	14
84	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
85	A comparative study of strontium and titanium doped mullite in PVDF matrix and their phase behavior, microstructure and electrical properties. <i>Materials Chemistry and Physics</i> , 2017, 187, 119-132.	4.0	12
86	Effect of Gd doping concentration and sintering temperature on structural, optical, dielectric and magnetic properties of hydrothermally synthesized ZnO nanostructure. <i>Journal of Alloys and Compounds</i> , 2017, 708, 231-246.	5.5	65
87	Effect of Gd 3+ and Al 3+ on optical and dielectric properties of ZnO nanoparticle prepared by two-step hydrothermal method. <i>Ceramics International</i> , 2017, 43, 6932-6941.	4.8	51
88	A Bioinformatics approach to designing a Zika virus vaccine. <i>Computational Biology and Chemistry</i> , 2017, 68, 143-152.	2.3	25
89	Enhanced dielectric behavior and ac electrical response in Gd-Mn-ZnO nanoparticles. <i>Journal of Alloys and Compounds</i> , 2017, 726, 11-21.	5.5	27
90	Phenolic compound-mediated single-step fabrication of copper oxide nanoparticles for elucidating their influence on anti-bacterial and catalytic activity. <i>New Journal of Chemistry</i> , 2017, 41, 4458-4467.	2.8	16

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91	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. ACS Applied Materials & Interfaces, 2017, 9, 23048-23059.	8.0	90
92	Improvisation of electrical properties of PVDF-HFP: use of novel metallic nanoparticles. Journal of Materials Science: Materials in Electronics, 2017, 28, 14798-14808.	2.2	22
93	4-Chlorochoalcone-Assisted Electroactive Polyvinylidene Fluoride Film-Based Energy Storage System Capable of Self-Charging Under Light. Energy Technology, 2017, 5, 2205-2215.	3.8	24
94	Synthesis of nanocrystalline photoluminescent mullite using sacrificial cotton wool and filter paper templates. Journal of the American Ceramic Society, 2017, 100, 4836-4847.	3.8	3
95	Enhanced thermoelectric performance of template based nanostructured polyaniline. AIP Conference Proceedings, 2017, , .	0.4	0
96	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. Materials Research Express, 2017, 4, 105005.	1.6	5
97	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.	2.4	33
98	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. ACS Applied Materials & Interfaces, 2017, 9, 24198-24209.	8.0	45
99	Optical, magnetic and dielectric properties of ZnO:Y nanoparticles synthesized by hydrothermal method. Journal of Alloys and Compounds, 2017, 696, 670-681.	5.5	34
100	Tailoring of room temperature ferromagnetism and electrical properties in ZnO by Co (3d) and Gd (4f) element co-doping. Journal of Alloys and Compounds, 2017, 691, 739-749.	5.5	49
101	THE ANTIDEPRESSANT DRUG DOXEPIN: A PROMISING ANTIOXIDANT. Asian Journal of Pharmaceutical and Clinical Research, 2017, 10, 97.	0.3	1
102	Effect of Cu doping in ZnO nanoparticles for increased voltage generation, storage capacity, and energy conversion efficiency in photoelectrochemical cell. Energy Sources, Part A: Recovery, Utilization and Environmental Effects, 2016, 38, 1833-1839.	2.3	5
103	Temperature dependent dielectric properties of self-standing and flexible poly(vinylidene fluoride) films infused with Er ³⁺ doped Gd ₂ O ₃ and SrO nanoparticles. Journal of Applied Polymer Science, 2016, 133, .	2.6	7
104	A bluetooth based sophisticated home automation system using smartphone. , 2016, , .		25
105	Improving the thermal stability, electroactive $\hat{\rho}^2$ phase crystallization and dielectric constant of NiO nanoparticle/Ca ²⁺ NiO nanocomposite embedded flexible poly(vinylidene fluoride) thin films. RSC Advances, 2016, 6, 26288-26299.	3.6	33
106	Physico-chemical property-driven dielectric behaviour and catalytic activity of nanocrystalline mullite synthesized from monophasic precursor gel. Journal of Sol-Gel Science and Technology, 2016, 80, 769-782.	2.4	9
107	Riboflavin conjugated temperature variant ZnO nanoparticles with potential medicinal application in jaundice. RSC Advances, 2016, 6, 71188-71198.	3.6	6
108	Efficiency of a dye-sensitized photoelectrochemical device using thionine and triturated zinc oxide at different potency. Energy Sources, Part A: Recovery, Utilization and Environmental Effects, 2016, 38, 3417-3422.	2.3	6

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109	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
110	Thermal analysis and vitrification behavior of slag containing porcelain stoneware body. <i>Journal of Thermal Analysis and Calorimetry</i> , 2016, 124, 1169-1177.	3.6	10
111	Influence of nickel ion-doped mullite composite on electrical properties, phase behavior, and microstructure of poly(vinylidene fluoride) matrix. <i>Journal of Polymer Research</i> , 2016, 23, 1.	2.4	4
112	Enhanced electroactive \hat{I}^2 -phase nucleation and dielectric properties of PVdF-HFP thin films influenced by montmorillonite and $\text{Ni}(\text{OH})_2$ nanoparticle modified montmorillonite. <i>RSC Advances</i> , 2016, 6, 21881-21894.	3.6	62
113	Tunable photoluminescence emissions and large dielectric constant of the electroactive poly(vinylidene fluoride-hexafluoropropylene) thin films modified with SnO_2 nanoparticles. <i>RSC Advances</i> , 2016, 6, 29931-29943.	3.6	26
114	Synthesis of mixed calcite-calcium oxide nanojasmine flowers. <i>Ceramics International</i> , 2016, 42, 2339-2348.	4.8	23
115	Short-Course Treatment Regimen of Indian Visceral Leishmaniasis with an Indian Liposomal Amphotericin B Preparation (Fungisome $\text{\textcircled{C}}$). <i>American Journal of Tropical Medicine and Hygiene</i> , 2016, 94, 93-98.	1.4	13
116	Microstructural and phase evolution in metakaolin geopolymers with different activators and added aluminosilicate fillers. <i>Journal of Molecular Structure</i> , 2015, 1098, 110-118.	3.6	40
117	Development and optimization of a noncontact optical device for online monitoring of jaundice in human subjects. <i>Journal of Biomedical Optics</i> , 2015, 20, 067001.	2.6	19
118	Diversity and evolution of the envelope gene of dengue virus type 1 circulating in India in recent times. <i>International Journal of Bioinformatics Research and Applications</i> , 2015, 11, 469.	0.2	2
119	Development of transition metal oxide-kaolin composite pigments for potential application in paint systems. <i>Applied Clay Science</i> , 2015, 107, 205-212.	5.2	21
120	Valinomycin-induced pore formation in thin lipid film and its effect on splay and bend elastic constant. <i>Phase Transitions</i> , 2015, 88, 421-429.	1.3	1
121	Effect of in situ synthesized Fe_2O_3 and Co_3O_4 nanoparticles on electroactive \hat{I}^2 phase crystallization and dielectric properties of poly(vinylidene fluoride) thin films. <i>Physical Chemistry Chemical Physics</i> , 2015, 17, 1368-1378.	2.8	104
122	Improvement of electroactive \hat{I}^2 phase nucleation and dielectric properties of $\text{WO}_3 \cdot \text{H}_2\text{O}$ nanoparticle loaded poly(vinylidene fluoride) thin films. <i>RSC Advances</i> , 2015, 5, 62819-62827.	3.6	41
123	High-K tungsten-mullite composite for electronic industrial application: synthesis and study of its microstructure, phase behavior and electrical properties. <i>Journal of Materials Science: Materials in Electronics</i> , 2015, 26, 1172-1180.	2.2	8
124	Anorthite porcelain: synthesis, phase and microstructural evolution. <i>Bulletin of Materials Science</i> , 2015, 38, 551-555.	1.7	12
125	In situ synthesis of $\text{Ni}(\text{OH})_2$ nanobelt modified electroactive poly(vinylidene fluoride) thin films: remarkable improvement in dielectric properties. <i>Physical Chemistry Chemical Physics</i> , 2015, 17, 13082-13091.	2.8	83
126	The role of cerium(III)/yttrium(III) nitrate hexahydrate salts on electroactive \hat{I}^2 phase nucleation and dielectric properties of poly(vinylidene fluoride) thin films. <i>RSC Advances</i> , 2015, 5, 28487-28496.	3.6	79

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127	Mechanical, dielectric and photoluminescence properties of alumina-mullite composite derived from natural Ganges clay. <i>Applied Clay Science</i> , 2015, 114, 349-358.	5.2	36
128	Safe and symptomatic medicinal use of surface-functionalized Mn ₃ O ₄ nanoparticles for hyperbilirubinemia treatment in mice. <i>Nanomedicine</i> , 2015, 10, 2349-2363.	3.3	38
129	A comparative electrical study of nano-crystalline mullite with low dielectric loss due to incorporation of tungsten and molybdenum ion: their uses in electronic industries. <i>Journal of Materials Science: Materials in Electronics</i> , 2015, 26, 5803-5811.	2.2	11
130	Morphology dependent change in photovoltage generation using dye-Cu doped ZnO nanoparticle mixed system. <i>Energy</i> , 2015, 89, 318-323.	8.8	3
131	Enhancement of electroactive β phase crystallization and dielectric constant of PVDF by incorporating GeO ₂ and SiO ₂ nanoparticles. <i>Physical Chemistry Chemical Physics</i> , 2015, 17, 22784-22798.	2.8	96
132	H7N9 influenza outbreak in China 2013: In silico analyses of conserved segments of the hemagglutinin as a basis for the selection of peptide vaccine targets. <i>Computational Biology and Chemistry</i> , 2015, 59, 8-15.	2.3	16
133	Sol-gel synthesis of transition-metal ion conjugated alumina-rich mullite nanocomposites with potential mechanical, dielectric and photoluminescence properties. <i>RSC Advances</i> , 2015, 5, 104299-104313.	3.6	17
134	Green synthesis of zinc oxide nanoparticles using Hibiscus subdariffa leaf extract: effect of temperature on synthesis, anti-bacterial activity and anti-diabetic activity. <i>RSC Advances</i> , 2015, 5, 4993-5003.	3.6	450
135	Characteristics of Influenza HA-NA Interdependence Determined Through a Graphical Technique. <i>Current Computer-Aided Drug Design</i> , 2015, 10, 285-302.	1.2	9
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