

Murugendrappa M V

List of Publications by Year in Descending Order

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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.

47
papers

350
citations

11
h-index

17
g-index

49
ext. papers

426
ext. citations

2.3
avg, IF

3.91
L-index

#	Paper	IF	Citations
47	Fabrication, characterization, and malaria biomarker VOC-sensing properties of WO ₃ -doped polyaniline. <i>Journal of Materials Science: Materials in Electronics</i> , 2021 , 32, 11243-11263	2.1	2
46	Investigation of temperature-dependent conduction mechanism in MnCo ₂ O ₄ /polypyrrole nanocomposites by three-dimensional variable range hopping (3D-VRH) and band-conduction model. <i>Journal of Applied Physics</i> , 2021 , 130, 015112	2.5	1
45	Synthesis and characterization of WO ₃ -doped polyaniline to sense biomarker VOCs of Malaria. <i>Applied Nanoscience (Switzerland)</i> , 2021 , 11, 29-44	3.3	2
44	Temperature-dependent transport properties of micro and nano-sized zinc cobalt oxide (ZnCo ₂ O ₄) and zinc manganese oxide (ZnMn ₂ O ₄) particles synthesized by a hydrothermal route. <i>Ceramics International</i> , 2020 , 46, 22492-22503	5.1	6
43	A study on the effect of PVDF on the structural and transport properties of polyaniline. <i>International Journal of Polymer Analysis and Characterization</i> , 2020 , 25, 176-187	1.7	2
42	Conduction and relaxation mechanisms in gadolinium oxide nanoparticle doped polyvinyl alcohol films. <i>Materials Today Communications</i> , 2020 , 23, 100942	2.5	1
41	Facile green synthesis, characterization and transport properties of LiAlSiO ₄ :Ce ³⁺ nanocomposites. <i>Ceramics International</i> , 2020 , 46, 9706-9713	5.1	3
40	Enhanced Charge Transport and Corrosion Protection Properties of Polyaniline/Carbon Nanotube Composite Coatings on Mild Steel. <i>Journal of Electronic Materials</i> , 2020 , 49, 341-352	1.9	13
39	Three-Dimensional Variable Range Hopping and Thermally Activated Conduction Mechanism of Polypyrrole/Zinc Cobalt Oxide Nanocomposites. <i>Journal of Physical Chemistry C</i> , 2020 , 124, 21772-21781	3.8	7
38	Effect of Cobalt Aluminum Oxide Nanoparticles on the Structural, DC Conductivity and Humidity Sensing Properties of Polypyrrole. <i>Journal of Macromolecular Science - Physics</i> , 2020 , 59, 821-835	1.4	0
37	Structural, Electrical, Thermal and Transport Properties of Poly Pyrrole/La _{0.7} Ca _{0.3} MnO ₃ Perovskite Manganite Nano Composite Studies Above Room Temperature. <i>Journal of Inorganic and Organometallic Polymers and Materials</i> , 2020 , 30, 841-858	3.2	2
36	Effect of barium lanthanum manganite nano particle on the electric transport properties of polypyrrole at room temperature. <i>Journal of Materials Science: Materials in Electronics</i> , 2019 , 30, 10776-10791	2.1	7
35	Synthesis, characterization and weight percent effect on humidity sensing properties of Polypyrrole/AlCeO ₃ (PPy/ACO) nanocomposites. <i>Fullerenes Nanotubes and Carbon Nanostructures</i> , 2019 , 27, 423-433	1.8	
34	Room temperature ac conductivity, dielectric properties and impedance analysis of polypyrrole-zinc cobalt oxide (PPy/ZCO) composites. <i>Physica B: Condensed Matter</i> , 2019 , 573, 36-44	2.8	4
33	Effect of Sn doping at Sb sites on the structural and optical properties of Co ₂ Sb ₆ nanostructures 2019 ,		1
32	Transport and complex modulus study of La _{0.7} Ca _{0.3} MnO ₃ perovskite manganite nano-compound with polypyrrole as host. <i>Polymer Bulletin</i> , 2019 , 76, 5363-5380	2.4	2
31	Influence of Nickel zinc Iron oxide Nanoparticles on AC Conductivity and Dielectric Properties of Polypyrrole. <i>Materials Today: Proceedings</i> , 2018 , 5, 2479-2487	1.4	1

30	Experimental studies on a. c. conductivity of the polypyrrole/ash (paddy husk) nano-composites. <i>Materials Today: Proceedings</i> , 2018 , 5, 2496-2502	1.4	
29	A Feasibility Study of Polypyrrole/Zinc Tungstate (Ceramics) Nano Composites for D. C. Conductivity and as a Humidity Sensor.. <i>Materials Today: Proceedings</i> , 2018 , 5, 2803-2810	1.4	9
28	Synthesis and Characterization of Polypyrrole/ Praseodymium Calcium Manganite Oxide Nanocomposites. <i>Materials Today: Proceedings</i> , 2018 , 5, 2818-2823	1.4	1
27	Impedance study of synthesized Cobalt Aluminum Oxide/ Polypyrrole Nano-composites. <i>Materials Today: Proceedings</i> , 2018 , 5, 2955-2959	1.4	1
26	Synthesis, characterization and electrical susceptance studies of Polypyrrole/La _{0.7} Ca _{0.3} MnO ₃ Nano composites. <i>Materials Today: Proceedings</i> , 2018 , 5, 3137-3142	1.4	1
25	Synthesis, Characterization Studies of Polypyrrole/Strontium Titanate (Nano Ceramic) Composites. <i>Materials Today: Proceedings</i> , 2018 , 5, 3158-3164	1.4	1
24	Studies of thermo-electric power and dielectric modulus of polypyrrole/zirconium oxide-molybdenum trioxide (PZM) composites. <i>Journal of Materials Science: Materials in Electronics</i> , 2018 , 29, 6564-6578	2.1	2
23	Optical band gap determination of calcium doped lanthanum manganite nano particle tailored with polypyrrole 2018 ,		1
22	Dielectric Relaxation, Complex Impedance Analysis and Magnetic Properties of Nickel Substituted Calcium Nano Ferrites for High Frequency Applications. <i>Journal of Computational and Theoretical Nanoscience</i> , 2018 , 15, 3608-3615	0.3	
21	Study of dielectric properties of polypyrrole/titanium dioxide and polypyrrole/titanium dioxide-MWCNT nano composites. <i>Journal of Materials Science: Materials in Electronics</i> , 2018 , 29, 2848-2859	2.1	5
20	Experimental Studies of D.C. Conductivity and Thermo Electric Power of Polypyrrole/Titanium Dioxide Nano Composites. <i>Materials Today: Proceedings</i> , 2018 , 5, 20874-20881	1.4	0
19	Chemically Synthesized Polypyrrole/Titanium Dioxide-MWCNT (PTM) Nano Composites for Experimental Studies of D.C. Conductivity and Thermo Electric Power. <i>Materials Today: Proceedings</i> , 2018 , 5, 20882-20889	1.4	0
18	Structural Characterization and Dielectric studies of Gd doped ZrO ₂ nano crystals Synthesized by Solution combustion method. <i>Materials Today: Proceedings</i> , 2018 , 5, 21195-21204	1.4	5
17	A.C. Conductivities of Polypyrrole/Titanium Dioxide and Polypyrrole/Titanium Dioxide-MWCNT Nano Composites: A Comparative Study. <i>Materials Today: Proceedings</i> , 2018 , 5, 21217-21224	1.4	
16	Lab Scale Study on Humidity Sensing and D.C. Conductivity of Polypyrrole/Strontium Arsenate (Sr ₃ (AsO ₄) ₂) Ceramic Composites. <i>Polymer Science - Series B</i> , 2018 , 60, 395-404	0.8	3
15	Impedance spectroscopy studies on PbFe _{0.5} Nb _{0.5} O ₃ BiFeO ₃ multiferroic solid solution. <i>Ceramics International</i> , 2017 , 43, 16684-16692	5.1	12
14	Structural, dielectric and conductivity studies of PbFe _{0.5} Nb _{0.5} O ₃ - BiFeO ₃ multiferroic solid solution. <i>Journal of Alloys and Compounds</i> , 2017 , 724, 787-798	5.7	15
13	A study of thermo-electric power and transport properties of polypyrrole/ash (paddy husk) nano-composites. <i>Journal of Materials Science: Materials in Electronics</i> , 2017 , 28, 11230-11242	2.1	3

12	Synthesis, characterization and DC conductivity studies of polypyrrole/copper zinc iron oxide nanocomposites. <i>Journal of Asian Ceramic Societies</i> , 2017 , 5, 227-234	2.4	29
11	Photoluminescence, Raman and conductivity studies of CaSO ₄ nanoparticles. <i>International Journal of Nanotechnology</i> , 2017 , 14, 845	1.5	5
10	Effect of Sintering Temperature and Duration on the Formation of Single-Phase Pb _{0.9} Bi _{0.1} Fe _{0.55} Nb _{0.45} O ₃ Solid Solution. <i>Transactions of the Indian Ceramic Society</i> , 2016 , 75, 181-184	1.8	9
9	Effect of fuels on conductivity, dielectric and humidity sensing properties of ZrO ₂ nanocrystals prepared by low temperature solution combustion methodPeer review under responsibility of The Ceramic Society of Japan and the Korean Ceramic Society.View all notes. <i>Journal of Asian Ceramic Societies</i> , 2016 , 4, 309-318	2.4	26
8	Conductivity and dielectric properties of PEDOT-PSS doped DMSO nano composite thin films. <i>Journal of Materials Science: Materials in Electronics</i> , 2016 , 27, 8332-8339	2.1	35
7	Thermo-electric power and humidity sensing studies of the polypyrrole/tantalum pentoxide composites. <i>Journal of Materials Science: Materials in Electronics</i> , 2016 , 27, 1044-1055	2.1	8
6	Thermo-electric power study of polypyrrole/molybdenum trioxide composites. <i>Polymer Science - Series A</i> , 2015 , 57, 467-472	1.2	5
5	Synthesis, characterization and D. C. conductivity studies of polypyrrole/molybdenum trioxide composites. <i>Polymer Science - Series B</i> , 2014 , 56, 935-939	0.8	15
4	Chemical synthesis, characterization, and direct-current conductivity studies of polypyrrole/Fe ₂ O ₃ composites. <i>Journal of Applied Polymer Science</i> , 2007 , 103, 2797-2801	2.9	26
3	Synthesis, characterization and ac conductivity studies of polypyrrole/manganese pentoxide composites. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2007 , 459, 371-374	5.3	20
2	Dielectric spectroscopy of polypyrrole/Fe ₂ O ₃ composites. <i>Materials Research Bulletin</i> , 2006 , 41, 1364-1369	5.1	14
1	Synthesis, characterization and conductivity studies of polypyrrole-fly ash composites. <i>Bulletin of Materials Science</i> , 2005 , 28, 565-569	1.7	45