Syed Khasim

List of Publications by Year
in descending order

59 papers	1,519 citations	304368 22 h-index	329751 37 g-index
62 all docs	62 docs citations	62 times ranked	1461 citing authors

#	Article	IF	Citations
1	Electrical and humidity sensing properties of polyaniline/WO3 composites. Sensors and Actuators B: Chemical, 2006, 114, 599-603.	4.0	226
2	High performance flexible supercapacitors based on secondary doped PEDOTâ€"PSSâ€"graphene nanocomposite films for large area solid state devices. RSC Advances, 2020, 10, 10526-10539.	1.7	87
3	Synthesis, characterization and low frequency a.c. conduction of polyaniline/fly ash composites. Bulletin of Materials Science, 2003, 26, 733-739.	0.8	80
4	Broadband electromagnetic shielding and dielectric properties of polyaniline-stannous oxide composites. Journal of Materials Science: Materials in Electronics, 2013, 24, 2202-2210.	1.1	70
5	Polyaniline-Graphene nanoplatelet composite films with improved conductivity for high performance X-band microwave shielding applications. Results in Physics, 2019, 12, 1073-1081.	2.0	66
6	Polyanilineâ€"antimony oxide composites for effective broadband EMI shielding. Iranian Polymer Journal (English Edition), 2013, 22, 473-480.	1.3	62
7	Synthesis, characterization and conductivity studies of polypyrrole-fly ash composites. Bulletin of Materials Science, 2005, 28, 565-569.	0.8	51
8	Conductivity and dielectric properties of PEDOT-PSS doped DMSO nano composite thin films. Journal of Materials Science: Materials in Electronics, 2016, 27, 8332-8339.	1.1	47
9	Electrical Conductivity, Dielectric Behavior and EMI Shielding Effectiveness of Polyaniline-Yttrium Oxide Composites. Bulletin of the Korean Chemical Society, 2013, 34, 99-106.	1.0	46
10	Synthesis, characterization and magnetic properties of polyaniline/Î³-Fe2O3 composites. Bulletin of Materials Science, 2011, 34, 1557-1561.	0.8	42
11	Fabrication of gas sensor device using poly (3, 4-ethylenedioxythiophene)-poly (styrenesulfonate)-doped reduced graphene oxide organic thin films for detection of ammonia gas at room temperature. Iranian Polymer Journal (English Edition), 2019, 28, 183-192.	1.3	42
12	Highly sensitive ethylene glycol-doped PEDOTâ€"PSS organic thin films for LPG sensing. RSC Advances, 2018, 8, 18074-18083.	1.7	40
13	Highly conductive polyaniline/graphene nano-platelet composite sensor towards detection of toluene and benzene gases. Applied Physics A: Materials Science and Processing, 2019, 125, 1.	1.1	36
14	Flexible, stretchable and electrically conductive PDMS decorated with polypyrrole/manganese-iron oxide nanocomposite as a multifunctional material for high performance EMI shielding applications. Synthetic Metals, 2022, 283, 116984.	2.1	32
15	Analysis of DC and AC properties of a humidity sensor based on polyanilineâ€"chromium oxide composites. Journal of Materials Science: Materials in Electronics, 2014, 25, 1237-1243.	1.1	31
16	Synthesis, characterization, dielectric and rectification properties of PANI/Nd$_2$O$_3$:Al$_2$O$_3$ nanocomposites. Polymers for Advanced Technologies, 2016, 27, 1064-1071.	1.6	28
17	Post treated PEDOT-PSS films with excellent conductivity and optical properties as multifunctional flexible electrodes for possible optoelectronic and energy storage applications. Optical Materials, 2022, 125, 112109.	1.7	25
18	Effect of nitrogen doping on structural and optical properties of MgxZn1-xO ternary alloys. Optical Materials, 2019, 89, 554-558.	1.7	24

#	ARTICLE	IF	CITATIONS
19	PVA Treated PEDOT-PSS: TiO2 Nanocomposite Based High-Performance Sensors Towards Detection of Relative Humidity and Soil Moisture Content for Agricultural Applications. Journal of Polymers and the Environment, 2021, 29, 612-623.	2.4	24
20	A smart grid incorporated with ML and IoT for a secure management system. Microprocessors and Microsystems, 2021, 83, 103954.	1.8	24
21	Preparation, Characterization and Low Frequency a.c. Conduction of Polypyrrole-Lead Titanate Composites. Bulletin of the Korean Chemical Society, 2007, 28, 1104-1108.	1.0	24
22	Transition Metal Complexes of 1, 4(2'-Hydroxyphenyl-1-yl) di-imino azine: Synthesis, Characterization and Antimicrobial Studies. E-Journal of Chemistry, 2008, 5, 395-403.	0.4	23
23	Effect of Secondary Doping Using Sorbitol on Structure and Transport Properties of PEDOT–PSS Thin Films. Journal of Electronic Materials, 2017, 46, 4439-4447.	1.0	20
24	Improved luminescence and LPG sensing properties of Sm3+-doped lanthanum aluminate thin films. Applied Nanoscience (Switzerland), 2020, 10, 1927-1939.	1.6	20
25	Ku-band EMI shielding effectiveness and dielectric properties of Polyaniline-Y2O3 composites. Polymer Science - Series A, 2014, 56, 366-372.	0.4	19
26	Micro-Raman spectroscopy and effective conductivity studies of graphene nanoplatelets/polyaniline composites. Journal of Materials Science: Materials in Electronics, 2016, 27, 6249-6257.	1.1	19
27	Dielectric property of NiTiO3 doped substituted ortho-chloropolyaniline composites. AIP Advances, 2013, 3, .	0.6	18
28	Enhanced Charge Transport and Corrosion Protection Properties of Polyaniline–Carbon Nanotube Composite Coatings on Mild Steel. Journal of Electronic Materials, 2020, 49, 341-352.	1.0	18
29	High Performance Organic Coatings of Polypyrrole Embedded with Manganese Iron Oxide Nanoparticles for Corrosion Protection of Conductive Copper Surface. Journal of Inorganic and Organometallic Polymers and Materials, 2022, 32, 499-512.	1.9	16
30	Synthesis, Characterization and Electrical Properties of Polyaniline/BaTiO3Composites. Ferroelectrics, 2005, 325, 111-119.	0.3	15
31	Fabrication and testing of low-cost and flexible smart sensors based on conductive PEDOT-PSS nanocomposite films for the detection of liquefied petroleum gas (LPG) at room temperature. Materials Chemistry and Physics, 2021, 263, 124414.	2.0	15
32	Polyaniline-Stannous Oxide Composites: Novel Material for Broadband EMI Shielding. Advanced Materials Research, 0, 488-489, 557-561.	0.3	14
33	Detection of malware on the internet of things and its applications depends on long short-term memory network. Journal of Ambient Intelligence and Humanized Computing, 0, , 1.	3.3	12
34	Fabrication and gas sensitivity in heterostructures of ortho-chloropolyaniline–ZnO nanocomposites. RSC Advances, 2014, 4, 39844-39852.	1.7	11
35	Enhanced dielectric performance in PVDF/Al-Al2O3 core–shell nanocomposites. Journal of Materials Science: Materials in Electronics, 2018, 29, 10593-10599.	1.1	11
36	Enhanced Corrosion Protection of A-36 Steel Using Epoxy-Reinforced CSA-Doped Polyaniline-SnO2 Nanocomposite Smart Coatings. Journal of Bio- and Tribo-Corrosion, 2021, 7, 1.	1.2	11

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37	Synthesis, characterization and Hall-effect studies of highly conductive polyaniline/graphene nanocomposites. SN Applied Sciences, 2020, 2, 1.	1.5	9
38	Accurate modeling and simulation of solar photovoltaic panels with simulink-MATLAB. Journal of Computational Electronics, 2021, 20, 974-983.	1.3	9
39	Green Nanoarchitectonics of ZnO Nanoparticles from ClitoriaÂternatea Flower Extract for In Vitro Anticancer and Antibacterial Activity: Inhibits MCF-7 Cell Proliferation via Intrinsic Apoptotic Pathway. Journal of Inorganic and Organometallic Polymers and Materials, 2022, 32, 2146-2159.	1.9	9
40	Humidity sensing property of polyaniline - cromium oxide nanocomposites. AIP Conference Proceedings, 2013, , .	0.3	8
41	Synthesis, characterization, and dielectric studies of ortho-chloropolyanilineâ€"graphite oxide composites. Journal of Materials Research, 2015, 30, 2310-2318.	1.2	8
42	Development of high-performance flexible and stretchable sensor based on secondary doped PEDOTâ€"PSS:TiO2 nanocomposite for room-temperature detection of nitric oxide. Journal of Materials Science: Materials in Electronics, 2021, 32, 7491-7508.	1.1	8
43	Effect of Ag, Cu, and ZnO Nanoparticle Suspensions on the Antimicrobial Activity of Tribulus Terrestris Herbal Extracts. Journal of Nano Research, 0, 45, 95-109.	0.8	7
44	Graphitic Carbon Nitride Decorated with Iron Oxide Nanoparticles as a Novel High-Performance Biomimetic Electrochemical Sensing Platform for Paracetamol Detection. Journal of Inorganic and Organometallic Polymers and Materials, 2022, 32, 3170-3180.	1.9	7
45	Design and development of highly sensitive PEDOT-PSS/AuNP hybrid nanocomposite-based sensor towards room temperature detection of greenhouse methane gas at ppb level. RSC Advances, 2021, 11, 15017-15029.	1.7	5
46	Electrical Conductivity Studies on Co(II), Cu(II),Ni(II) and Cd(II) Complexes of Azines. E-Journal of Chemistry, 2008, 5, 797-801.	0.4	4
47	X-band microwave absorption and dielectric properties of polyaniline-yttrium oxide composites. E-Polymers, 2014, 14, 209-216.	1.3	4
48	Synthesis and characterization of urea-doped MgZnO nanoparticles for electronic applications. Applied Physics A: Materials Science and Processing, 2019, 125, 1.	1.1	4
49	Investigations on structural and electrical properties of polyanilineâ€"cadmium sulfide nanocomposite films for solid state electronics. Polymer Composites, 2019, 40, E579.	2.3	4
50	Fabrication and Testing Of PEDOT: PSS Wrapped WO_2/Au Ternary Nanocomposite Electrodes for High Performance Flexible Supercapacitor Applications. Journal of the Electrochemical Society, 2021, 168, 040526.	1.3	4
51	Synthetic, Spectral and Thermal Studies of Tin(IV) Complexes of 1, 5-Benzodiazepines. E-Journal of Chemistry, 2008, 5, 627-633.	0.4	3
52	Interaction Study of Lipopeptide Biosurfactant viscosin with DPPC and Cholesterol by Langmuir Monolayer Technique. Soft Materials, 2015, 13, 254-262.	0.8	3
53	Electrochemical cell parameters of poly(ethylene oxide)/(KClO3â€‰+â€‰NaNO3) composites as polymer electrolyte in secondary solid-state batteries. Ionics, 2015, 21, 3193-3199.	1.2	2
54	Three Dimensional Spherically Evolved Nanostructures of ZnO Comprised of Nanowires and Nanorods for Optoelectronic Devices. Journal of Nanoelectronics and Optoelectronics, 2015, 10, 700-704.	0.1	2

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55	Electromagnetic absorption and shielding behavior of polyaniline-antimony oxide composites. , 2013, , .		1
56	Antiâ€proliferative Activities of Thiophenes, Pyrans and PyridinesDerived from 1,3â€Dicarbonyl Compounds. ChemistrySelect, 2021, 6, 12094-12100.	0.7	1
57	Spectrophotometric Study of Nitrogen Base Adducts of Nickel(II)-4-methyl-8â€"quinolinate. E-Journal of Chemistry, 2008, 5, 404-408.	0.4	0
58	Brain tumor identification and classification system using convolutional neural network. International Journal of Health Sciences, 0, , 7264-7275.	0.0	0
59	Smart X-Ray interpreter for predicting epoch of healthcare using machine learning. International Journal of Health Sciences, 0, , .	0.0	0