

Abdelwahab rajeh

List of Publications by Year in descending order

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172443

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34
docs citations

34
times ranked

792
citing authors

#	ARTICLE	IF	CITATIONS
1	An insight into the effect of zinc oxide nanoparticles on the structural, thermal, mechanical properties and antimicrobial activity of Cs/PVA composite. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2019, 581, 123821.	4.7	153
2	Reinforcement of the optical, thermal and electrical properties of PEO based on MWCNTs/Au hybrid fillers: Nanodielectric materials for organoelectronic devices. <i>Composites Part B: Engineering</i> , 2019, 173, 106957.	12.0	129
3	Enhancement of spectroscopic, thermal, electrical and morphological properties of polyethylene oxide/carboxymethyl cellulose blends: Combined FT-IR/DFT. <i>Vacuum</i> , 2019, 159, 430-440.	3.5	116
4	Enhancement of the optical, thermal and electrical properties of PEO/PAM:Li polymer electrolyte films doped with Ag nanoparticles. <i>Physica B: Condensed Matter</i> , 2018, 539, 88-96.	2.7	109
5	Enhanced structural, electrical, mechanical properties and antibacterial activity of Cs/PEO doped mixed nanoparticles (Ag/TiO ₂) for food packaging applications. <i>Polymer Testing</i> , 2021, 93, 107013.	4.8	108
6	Nanosecond laser-irradiation assisted the improvement of structural, optical and thermal properties of polyvinyl pyrrolidone/carboxymethyl cellulose blend filled with gold nanoparticles. <i>Journal of Materials Science: Materials in Electronics</i> , 2019, 30, 2693-2705.	2.2	100
7	Modification and development of electrical and magnetic properties of PVA/PEO incorporated with MnCl ₂ . <i>Physica B: Condensed Matter</i> , 2014, 434, 57-63.	2.7	91
8	Preparation and characterization of polyaniline/sodium alginate-doped TiO ₂ nanoparticles with promising mechanical and electrical properties and antimicrobial activity for food packaging applications. <i>Journal of Materials Science: Materials in Electronics</i> , 2020, 31, 9430-9442.	2.2	80
9	Structural, thermal, optical and conductivity studies of Co/ZnO nanoparticles doped CMC polymer for solid state battery applications. <i>Polymer Testing</i> , 2020, 91, 106803.	4.8	78
10	Influence of MWCNTs/Li-doped TiO ₂ nanoparticles on the structural, thermal, electrical and mechanical properties of poly (ethylene oxide)/poly (methylmethacrylate) composite. <i>Journal of Organometallic Chemistry</i> , 2020, 918, 121309.	1.8	77
11	Effect of an encapsulate carbon nanotubes (CNTs) on structural and electrical properties of PU/PVC nanocomposites. <i>Physica B: Condensed Matter</i> , 2016, 502, 48-55.	2.7	76
12	Co doped ZnO reinforced PEMA/PMMA composite: Structural, thermal, dielectric and electrical properties for electrochemical applications. <i>Journal of Molecular Structure</i> , 2020, 1217, 128447.	3.6	76
13	Influence of ZnO/Ag nanoparticles doping on the structural, thermal, optical and electrical properties of PAM/PEO composite. <i>Physica B: Condensed Matter</i> , 2020, 578, 411796.	2.7	72
14	Synthesis of the SWCNTs/TiO ₂ nanostructure and its effect study on the thermal, optical, and conductivity properties of the CMC/PEO blend. <i>Results in Physics</i> , 2021, 28, 104675.	4.1	69
15	Enhancement of the thermal and mechanical properties of polyurethane/polyvinyl chloride blend by loading single walled carbon nanotubes. <i>Progress in Natural Science: Materials International</i> , 2017, 27, 338-343.	4.4	65
16	Influence of Fe ₃ O ₄ nanoparticles on the optical, magnetic and electrical properties of PMMA/PEO composites: Combined FT-IR/DFT for electrochemical applications. <i>Journal of Organometallic Chemistry</i> , 2020, 920, 121348.	1.8	65
17	Change Spectroscopic, thermal and mechanical studies of PU/PVC blends. <i>Physica B: Condensed Matter</i> , 2016, 495, 4-10.	2.7	57
18	Nd:YAG nanosecond laser induced growth of Au nanoparticles within CMC/PVA matrix: Multifunctional nanocomposites with tunable optical and electrical properties. <i>Composites Communications</i> , 2021, 24, 100662.	6.3	54

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19	Enhanced optical, morphological, dielectric, and conductivity properties of gold nanoparticles doped with PVA/CMC blend as an application in organoelectronic devices. <i>Journal of Materials Science: Materials in Electronics</i> , 2021, 32, 10443-10457.	2.2	50
20	Synthesis and physical properties of spinel ferrites/MWCNTs hybrids nanocomposites for energy storage and photocatalytic applications. <i>Physica B: Condensed Matter</i> , 2020, 596, 412389.	2.7	47
21	Preparation of highly efficient sunlight driven photodegradation of some organic pollutants and H ₂ evolution over rGO/FeVO ₄ nanocomposites. <i>International Journal of Hydrogen Energy</i> , 2021, 46, 27349-27363.	7.1	47
22	Structural, thermal, optical and conductive properties of PAM/PVA polymer composite doped with Ag nanoparticles for electrochemical application. <i>Journal of Materials Science: Materials in Electronics</i> , 2020, 31, 16780-16792.	2.2	46
23	Structural, thermal, optical characterizations of polyaniline/polymethyl methacrylate composite doped by titanium dioxide nanoparticles as an application in optoelectronic devices. <i>Optical Materials</i> , 2022, 123, 111820.	3.6	44
24	Modification and development of high bioactivities and environmentally safe polymer nanocomposites doped by Ni/ZnO nanohybrid for food packaging applications. <i>Journal of Materials Research and Technology</i> , 2022, 19, 3421-3432.	5.8	43
25	Enhancing the structural, thermal, and dielectric properties of the polymer nanocomposites based on polymer blend and barium titanate nanoparticles for application in energy storage. <i>International Journal of Energy Research</i> , 2022, 46, 8020-8029.	4.5	39
26	Synthesis of CoFe ₂ O ₄ /MWCNTs Nanohybrid and its Effect on the Optical, Thermal, and Conductivity of PVA/CMC Composite as an Application in Electrochemical Devices. <i>Journal of Inorganic and Organometallic Polymers and Materials</i> , 2022, 32, 1935-1949.	3.7	36
27	Effect of the Fe ₂ O ₃ /TiO ₂ Nanoparticles on the Structural, Mechanical, Electrical Properties and Antibacterial Activity of the Biodegradable Chitosan/Polyvinyl Alcohol Blend for Food Packaging. <i>Journal of Polymers and the Environment</i> , 2022, 30, 3865-3874.	5.0	34
28	Structural, optical, mechanical, and dielectric properties studies of carboxymethyl cellulose/polyacrylamide/lithium titanate nanocomposites films as an application in energy storage devices. <i>Polymer Testing</i> , 2022, 114, 107705.	4.8	33
29	Synthesis of carbon nanotubes/titanium dioxide and study of its effect on the optical, dielectric, and mechanical properties of polyvinyl alcohol/sodium alginate for energy storage devices. <i>International Journal of Energy Research</i> , 2022, 46, 20050-20066.	4.5	30
30	Boosting optical and electrical characteristics of polyvinyl alcohol/carboxymethyl cellulose nanocomposites by <sc>GNPs</sc> / <sc>MWCNTs</sc> fillers as an application in energy storage devices. <i>International Journal of Energy Research</i> , 2022, 46, 6216-6224.	4.5	26
31	An insight into the influence of Ag/Se nanoparticles on the structural, optical, and electrical properties of Cs/PAM nanocomposites films as application in electrochemical devices. <i>Journal of Molecular Structure</i> , 2022, 1267, 133619.	3.6	18
32	Characterization, optical, and electrical properties of chitosan/polyacrylamide blend doped silver nanoparticles. <i>Journal of Materials Science: Materials in Electronics</i> , 2022, 33, 10645-10656.	2.2	16
33	One-step preparation of RGO/Fe ₃ O ₄ FeVO ₄ nanocomposites as highly effective photocatalysts under natural sunlight illumination. <i>Scientific Reports</i> , 2022, 12, 6565.	3.3	14