Abdelwahab rajeh

List of Publications by Year in Descending Order

27 papers	907 citations	17 h-index	30 g-index
34 ext. papers	1,493 ext. citations	3.8 avg, IF	5.85 L-index

#	Paper	IF	Citations
27	Boosting optical and electrical characteristics of polyvinyl alcohol/carboxymethyl cellulose nanocomposites by GNPs / MWCNTs fillers as an application in energy storage devices. *International Journal of Energy Research*, **2022**, 46, 6216-6224	4.5	3
26	One-step preparation of RGO/FeO-FeVO nanocomposites as highly effective photocatalysts under natural sunlight illumination.. *Scientific Reports*, **2022**, 12, 6565	4.9	0
25	Structural, thermal, optical characterizations of polyaniline/polymethyl methacrylate composite doped by titanium dioxide nanoparticles as an application in optoelectronic devices. *Optical Materials*, **2021**, 123, 111820	3.3	6
24	Enhanced optical, morphological, dielectric, and conductivity properties of gold nanoparticles doped with PVA/CMC blend as an application in organoelectronic devices. *Journal of Materials Science: Materials in Electronics*, **2021**, 32, 10443-10457	2.1	13
23	Nd:YAG nanosecond laser induced growth of Au nanoparticles within CMC/PVA matrix: Multifunctional nanocomposites with tunable optical and electrical properties. *Composites Communications*, **2021**, 24, 100662	6.7	10
22	Enhanced structural, electrical, mechanical properties and antibacterial activity of Cs/PEO doped mixed nanoparticles (Ag/TiO2) for food packaging applications. *Polymer Testing*, **2021**, 93, 107013	4.5	30
21	Preparation of highly efficient sunlight driven photodegradation of some organic pollutants and H2 evolution over rGO/FeVO4 nanocomposites. *International Journal of Hydrogen Energy*, **2021**, 46, 27349-27363	6.7	12
20	Synthesis of the SWCNTs/TiO2 nanostructure and its effect study on the thermal, optical, and conductivity properties of the CMC/PEO blend. *Results in Physics*, **2021**, 28, 104675	3.7	13
19	Preparation and characterization of polyaniline/sodium alginate-doped TiO2 nanoparticles with promising mechanical and electrical properties and antimicrobial activity for food packaging applications. *Journal of Materials Science: Materials in Electronics*, **2020**, 31, 9430-9442	2.1	41
18	Co doped ZnO reinforced PEMA/PMMA composite: Structural, thermal, dielectric and electrical properties? for electrochemical applications. *Journal of Molecular Structure*, **2020**, 1217, 128447	3.4	38
17	Influence of MWCNTs/Li-doped TiO2 nanoparticles on the structural, thermal, electrical and mechanical properties of poly (ethylene oxide)/poly (methylmethacrylate) composite. *Journal of Organometallic Chemistry*, **2020**, 918, 121309	2.3	42
16	Influence of Fe3O4 nanoparticles on the optical, magnetic and electrical properties of PMMA/PEO composites: Combined FT-IR/DFT for electrochemical applications. *Journal of Organometallic Chemistry*, **2020**, 920, 121348	2.3	27
15	Influence of ZnO/Ag nanoparticles doping on the structural, thermal, optical and electrical properties of PAM/PEO composite. *Physica B: Condensed Matter*, **2020**, 578, 411796	2.8	40
14	Structural, thermal, optical and conductivity studies of Co/ZnO nanoparticles doped CMC polymer for solid state battery applications. *Polymer Testing*, **2020**, 91, 106803	4.5	30
13	Synthesis and physical properties of spinel ferrites/MWCNTs hybrids nanocomposites for energy storage and photocatalytic applications. *Physica B: Condensed Matter*, **2020**, 596, 412389	2.8	25
12	Structural, thermal, optical and conductive properties of PAM/PVA polymer composite doped with Ag nanoparticles for electrochemical application. *Journal of Materials Science: Materials in Electronics*, **2020**, 31, 16780-16792	2.1	12
11	Reinforcement of the optical, thermal and electrical properties of PEO based on MWCNTs/Au hybrid fillers: Nanodielectric materials for organoelectronic devices. *Composites Part B: Engineering*, **2019**, 173, 106957	10	67

10	An insight into the effect of zinc oxide nanoparticles on the structural, thermal, mechanical properties and antimicrobial activity of Cs/PVA composite. *Colloids and Surfaces A: Physicochemical and Engineering Aspects*, **2019**, 581, 123821	5.1	77
9	Enhancement of spectroscopic, thermal, electrical and morphological properties of polyethylene oxide/carboxymethyl cellulose blends: Combined FT-IR/DFT. *Vacuum*, **2019**, 159, 430-440	3.7	77
8	Nanosecond laser-irradiation assisted the improvement of structural, optical and thermal properties of polyvinyl pyrrolidone/carboxymethyl cellulose blend filled with gold nanoparticles. *Journal of Materials Science: Materials in Electronics*, **2019**, 30, 2693-2705	2.1	68
7	Enhancement of the optical, thermal and electrical properties of PEO/PAM:Li polymer electrolyte films doped with Ag nanoparticles. *Physica B: Condensed Matter*, **2018**, 539, 88-96	2.8	61
6	Enhancement of the thermal and mechanical properties of polyurethane/polyvinyl chloride blend by loading single walled carbon nanotubes. *Progress in Natural Science: Materials International*, **2017** , 27, 338-343	3.6	45
5	Effect of an encapsulate carbon nanotubes (CNTs) on structural and electrical properties of PU/PVC nanocomposites. *Physica B: Condensed Matter*, **2016**, 502, 48-55	2.8	51
4	Change Spectroscopic, thermal and mechanical studies of PU/PVC blends. *Physica B: Condensed Matter*, **2016**, 495, 4-10	2.8	39
3	Modification and development of electrical and magnetic properties of PVA/PEO incorporated with MnCl2. *Physica B: Condensed Matter*, **2014**, 434, 57-63	2.8	72
2	Enhancing the structural, thermal, and dielectric properties of the polymer nanocomposites based on polymer blend and barium titanate nanoparticles for application in energy storage. *International Journal of Energy Research*,	4.5	1
1	Synthesis of CoFe2O4/MWCNTs Nanohybrid and its Effect on the Optical, Thermal, and Conductivity of PVA/CMC Composite as an Application in Electrochemical Devices. *Journal of Inorganic and Organometallic Polymers and Materials*,1	3.2	1