

# Abdelwahab rajeh

## List of Publications by Citations

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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	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> , <b>2019</b> , 581, 123821	5.1	77
26	Enhancement of spectroscopic, thermal, electrical and morphological properties of polyethylene oxide/carboxymethyl cellulose blends: Combined FT-IR/DFT. <i>Vacuum</i> , <b>2019</b> , 159, 430-440	3.7	77
25	Modification and development of electrical and magnetic properties of PVA/PEO incorporated with MnCl <sub>2</sub> . <i>Physica B: Condensed Matter</i> , <b>2014</b> , 434, 57-63	2.8	72
24	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> , <b>2019</b> , 30, 2693-2705	2.1	68
23	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> , <b>2019</b> , 173, 106957	10	67
22	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> , <b>2018</b> , 539, 88-96	2.8	61
21	Effect of an encapsulate carbon nanotubes (CNTs) on structural and electrical properties of PU/PVC nanocomposites. <i>Physica B: Condensed Matter</i> , <b>2016</b> , 502, 48-55	2.8	51
20	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> , <b>2017</b> , 27, 338-343	3.6	45
19	Influence of MWCNTs/Li-doped TiO <sub>2</sub> nanoparticles on the structural, thermal, electrical and mechanical properties of poly (ethylene oxide)/poly (methylmethacrylate) composite. <i>Journal of Organometallic Chemistry</i> , <b>2020</b> , 918, 121309	2.3	42
18	Preparation and characterization of polyaniline/sodium alginate-doped TiO <sub>2</sub> nanoparticles with promising mechanical and electrical properties and antimicrobial activity for food packaging applications. <i>Journal of Materials Science: Materials in Electronics</i> , <b>2020</b> , 31, 9430-9442	2.1	41
17	Influence of ZnO/Ag nanoparticles doping on the structural, thermal, optical and electrical properties of PAM/PEO composite. <i>Physica B: Condensed Matter</i> , <b>2020</b> , 578, 411796	2.8	40
16	Change Spectroscopic, thermal and mechanical studies of PU/PVC blends. <i>Physica B: Condensed Matter</i> , <b>2016</b> , 495, 4-10	2.8	39
15	Co doped ZnO reinforced PEMA/PMMA composite: Structural, thermal, dielectric and electrical properties? for electrochemical applications. <i>Journal of Molecular Structure</i> , <b>2020</b> , 1217, 128447	3.4	38
14	Structural, thermal, optical and conductivity studies of Co/ZnO nanoparticles doped CMC polymer for solid state battery applications. <i>Polymer Testing</i> , <b>2020</b> , 91, 106803	4.5	30
13	Enhanced structural, electrical, mechanical properties and antibacterial activity of Cs/PEO doped mixed nanoparticles (Ag/TiO <sub>2</sub> ) for food packaging applications. <i>Polymer Testing</i> , <b>2021</b> , 93, 107013	4.5	30
12	Influence of Fe <sub>3</sub> O <sub>4</sub> 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> , <b>2020</b> , 920, 121348	2.3	27
11	Synthesis and physical properties of spinel ferrites/MWCNTs hybrids nanocomposites for energy storage and photocatalytic applications. <i>Physica B: Condensed Matter</i> , <b>2020</b> , 596, 412389	2.8	25

10	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> , <b>2021</b> , 32, 10443-10457	2.1	13
9	Synthesis of the SWCNTs/TiO <sub>2</sub> nanostructure and its effect study on the thermal, optical, and conductivity properties of the CMC/PEO blend. <i>Results in Physics</i> , <b>2021</b> , 28, 104675	3.7	13
8	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> , <b>2020</b> , 31, 16780-16792	2.1	12
7	Preparation of highly efficient sunlight driven photodegradation of some organic pollutants and H <sub>2</sub> evolution over rGO/FeVO <sub>4</sub> nanocomposites. <i>International Journal of Hydrogen Energy</i> , <b>2021</b> , 46, 27349-27363	6.7	12
6	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> , <b>2021</b> , 24, 100662	6.7	10
5	Structural, thermal, optical characterizations of polyaniline/polymethyl methacrylate composite doped by titanium dioxide nanoparticles as an application in optoelectronic devices. <i>Optical Materials</i> , <b>2021</b> , 123, 111820	3.3	6
4	Boosting optical and electrical characteristics of polyvinyl alcohol/carboxymethyl cellulose nanocomposites by GNPs / MWCNTs fillers as an application in energy storage devices. <i>International Journal of Energy Research</i> , <b>2022</b> , 46, 6216-6224	4.5	3
3	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> ,	4.5	1
2	Synthesis of CoFe <sub>2</sub> O <sub>4</sub> /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> , 1	3.2	1
1	One-step preparation of RGO/FeO-FeVO nanocomposites as highly effective photocatalysts under natural sunlight illumination.. <i>Scientific Reports</i> , <b>2022</b> , 12, 6565	4.9	0