

Samy El-Gamal

List of Publications by Year in descending order

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31
papers

572
citations

687363

13
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610901

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31
all docs

31
docs citations

31
times ranked

391
citing authors

#	ARTICLE	IF	CITATIONS
1	Effect of PVA and copper oxide nanoparticles on the structural, optical, and electrical properties of carboxymethyl cellulose films. <i>Journal of Materials Science</i> , 2015, 50, 4717-4728.	3.7	108
2	<sc>P</sc>reparation and characterization of PbO/carboxymethyl cellulose/polyvinylpyrrolidone nanocomposite films. <i>Polymer Composites</i> , 2018, 39, 3712-3725.	4.6	70
3	Synthesis and investigation of the electrical and dielectric properties of Co ₃ O ₄ /(CMC+PVA) nanocomposite films. <i>Journal of Polymer Research</i> , 2015, 22, 1.	2.4	65
4	Characterization, optical, and nanoscale free volume properties of Na ⁺ CMC/PAM/CNT nanocomposites. <i>Polymers for Advanced Technologies</i> , 2020, 31, 114-125.	3.2	41
5	Physical properties of the organic polymeric blend (PVA/PAM) modified with MgO nanofillers. <i>Journal of Composite Materials</i> , 2019, 53, 2831-2847.	2.4	39
6	Effect of Cobalt Oxide Nanoparticles on the Nano-scale Free Volume and Optical Properties of Biodegradable CMC/PVA Films. <i>Journal of Polymers and the Environment</i> , 2018, 26, 2536-2545.	5.0	30
7	Dielectric and nano-scale free volume properties of polyaniline/polyvinyl alcohol nanocomposites. <i>Journal of Materials Science: Materials in Electronics</i> , 2015, 26, 7544-7553.	2.2	28
8	Effect of M Nitrates on the Optical, Dielectric Relaxation and Porosity of PVC/PMMA Membranes (M ⁺ =Cd, Co, Cr or Mg). <i>Journal of Inorganic and Organometallic Polymers and Materials</i> , 2020, 30, 1306-1319.	3.7	22
9	Synthesis, structural, thermal, mechanical, and nano-scale free volume properties of novel PbO/PVC/PMMA nanocomposites. <i>Polymer</i> , 2020, 206, 122911.	3.8	21
10	Influence of MWCNTs in Improving the Optical, DC Conductivity, and Mechanical Properties of CMC/PAAM Blends. <i>Polymer Engineering and Science</i> , 2020, 60, 996-1005.	3.1	20
11	Positron annihilation and electrical studies on the influence of loading magnesia nanoribbons on PVA-PVP blend. <i>Polymer Testing</i> , 2020, 89, 106681.	4.8	18
12	Correlation of electrical and swelling properties with nano free-volume structure of conductive silicone rubber composites. <i>Polymer Composites</i> , 2013, 34, 2105-2115.	4.6	17
13	Effect of conductive fillers on the cyclic stress-strain and nano-scale free volume properties of silicone rubber. <i>Chinese Journal of Polymer Science (English Edition)</i> , 2014, 32, 558-567.	3.8	17
14	Electrical and optical properties of novel brilliant cresyl blue <sc>dye</sc>-doped poly(methyl Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 227 T 1308-1318.	3.1	11
15	Effects of ⁶⁰ Co-irradiation and strain rate on the tensile and the electrical properties of Al-4043 alloy. <i>Radiation Physics and Chemistry</i> , 2014, 99, 68-73.	2.8	9
16	Studying the recovery of as-received industrial Al alloys by positron annihilation spectroscopy. <i>Applied Surface Science</i> , 2006, 252, 3297-3302.	6.1	6
17	Synthesis, optical, and electrical properties of starch/chitosan/NaTiO ₃ bio-nanocomposites modified with ErCl ₃ . <i>Physica Scripta</i> , 2022, 97, 015805.	2.5	6
18	Dependence of alpha particle track diameter on the free volume holes size using positron annihilation lifetime technique. <i>Nuclear Instruments & Methods in Physics Research B</i> , 2015, 359, 155-160.	1.4	5

#	ARTICLE	IF	CITATIONS
19	Influence of SiC nanoparticles addition on the microstructure, thermal and tensile properties of Sn-Zn-Ag solder alloy. <i>Materials Research Express</i> , 2018, 5, 086508.	1.6	5
20	Influence of NiO and La ₂ O ₃ nanoparticles on the optical, mechanical and electrical properties of PVA-PMMA blend: a comparative study. <i>Physica Scripta</i> , 2022, 97, 055814.	2.5	5
21	Positron annihilation study on the effect of Si-content on the recovery of deformed cast Al-Si alloys. <i>Radiation Physics and Chemistry</i> , 2013, 90, 32-38.	2.8	4
22	The role of MgO nanoparticles addition, and γ -irradiation on the microstructural, and tensile properties of Al-1100 alloy. <i>Journal of Composite Materials</i> , 2021, 55, 2135-2149.	2.4	4
23	Effect of γ -irradiation on the sheet resistance of two-dimensional island platinum films. <i>Journal of Materials Science: Materials in Electronics</i> , 2009, 20, 713-717.	2.2	3
24	Effect of γ -irradiation on the temperature coefficient of surface resistivity of two-dimensional island platinum films. <i>Nuclear Instruments & Methods in Physics Research B</i> , 2011, 269, 1108-1112.	1.4	3
25	A. c. conductance of γ -irradiated discontinuous platinum films. <i>Journal of Materials Science: Materials in Electronics</i> , 2013, 24, 2619-2623.	2.2	3
26	Effects of γ -irradiation and Deformation Temperature on Tensile Properties of Pb-2 mass% Sb Alloy. <i>Journal of Iron and Steel Research International</i> , 2016, 23, 733-738.	2.8	3
27	Effect of γ -irradiation on the frequency-independent parameters of an equivalent circuit for two-dimensional island platinum films. <i>Journal of Materials Science: Materials in Electronics</i> , 2010, 21, 20-26.	2.2	2
28	Effect of γ -irradiation on the gauge factor of two-dimensional island platinum films. <i>Radiation Physics and Chemistry</i> , 2012, 81, 740-744.	2.8	2
29	Effect of strain on the I-V characteristics of discontinuous silver films and determination of their gauge factor. <i>Journal of Materials Science: Materials in Electronics</i> , 2013, 24, 4311-4315.	2.2	2
30	Measurement of indoor radon concentrations in different dwellings in Arar, Saudi Arabia. <i>Nuclear Technology and Radiation Protection</i> , 2018, 33, 293-300.	0.8	2
31	Enhancing the tensile properties of Sn-Zn-Ag lead-free solder alloy by loading MgO nanoparticles and irradiation. <i>Journal of Composite Materials</i> , 0, , 002199832211114.	2.4	1