

Yasmin Khairy

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Enhancement of optoelectronic parameters of Nd-doped ZnO nanowires for photodetector applications. <i>Optical Materials</i> , 2020, 109, 110396.	3.6	129
2	Optical and electrical properties of SnBr ₂ -doped polyvinyl alcohol (PVA) polymeric solid electrolyte for electronic and optoelectronic applications. <i>Optik</i> , 2021, 228, 166129.	2.9	41
3	Optical absorption and linear/nonlinear parameters of polyvinyl alcohol films doped by fullerene. <i>Chinese Journal of Physics</i> , 2021, 72, 270-285.	3.9	38
4	Optical and electrical performance of copper chloride doped polyvinyl alcohol for optical limiter and polymeric varistor devices. <i>Physica B: Condensed Matter</i> , 2019, 572, 256-265.	2.7	36
5	The optical characteristic of PVA composite films doped by ZrO ₂ for optoelectronic and block UV-Visible applications. <i>Materials Research Express</i> , 2019, 6, 115346.	1.6	34
6	Optical spectroscopy and electrical analysis of La ³⁺ -doped PVA composite films for varistor and optoelectronic applications. <i>Journal of Materials Science: Materials in Electronics</i> , 2018, 29, 20424-20432.	2.2	30
7	Microstructure and optical properties of Ni ²⁺ doped PVA for optoelectronic devices. <i>Physica B: Condensed Matter</i> , 2019, 570, 41-47.	2.7	29
8	Photoluminescence, optical limiting, and linear/nonlinear optical parameters of PVP/PVAL blend embedded with silver nitrate. <i>Optik</i> , 2021, 247, 167863.	2.9	29
9	Anomalous behaviour of the electrical properties for PVA/TiO ₂ nanocomposite polymeric films. <i>Polymer Bulletin</i> , 2020, 77, 6255-6269.	3.3	27
10	Modeling the collective relaxation time of glass-forming polymers at intermediate length scales: Application to polyisobutylene. <i>Journal of Chemical Physics</i> , 2013, 139, 044906.	3.0	26
11	The visible laser absorption property of chromium-doped polyvinyl alcohol films: synthesis, optical and dielectric properties. <i>Optical and Quantum Electronics</i> , 2019, 51, 1.	3.3	26
12	Facile synthesis, structure analysis and optical performance of manganese oxide-doped PVA nanocomposite for optoelectronic and optical cut-off laser devices. <i>Journal of Materials Science: Materials in Electronics</i> , 2020, 31, 8072-8085.	2.2	25
13	Enhancing the optical absorption, conductivity, and nonlinear parameters of PVOH films by Bi-doping. <i>New Journal of Physics</i> , 2021, 23, 043001.	2.9	23
14	Kramers-Kronig analysis of the optical linearity and nonlinearity of nanostructured Ga-doped ZnO thin films. <i>Optics and Laser Technology</i> , 2021, 135, 106691.	4.6	20
15	Facile low temperature synthesis and characterization of bismuth molybdate (Bi ₂ MoO ₆) nanostructures: An effect surfactant concentration. <i>Optik</i> , 2019, 178, 90-96.	2.9	17
16	Facile synthesis, structure, AFM, thermal, and optical analysis of BiI ₃ /PVAL nanocomposite films for laser CUT-OFF optical devices. <i>Vacuum</i> , 2020, 180, 109640.	3.5	17
17	Investigating NaIO ₃ doped PVA polymeric nanocomposites via the structural morphology and linear and nonlinear optical analysis: For optoelectronic systems. <i>Optik</i> , 2021, 245, 167724.	2.9	17
18	The detailed calculations of optical properties of indium-doped CdO nanostructured films using Kramers-Kronig relations. <i>Journal of Non-Crystalline Solids</i> , 2021, 552, 120454.	3.1	16

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19	Collective Features in Polyisobutylene. A Study of the Static and Dynamic Structure Factor by Molecular Dynamics Simulations. <i>Macromolecules</i> , 2014, 47, 447-459.	4.8	15
20	Influence of cobalt-metal concentration on the microstructure and optical limiting properties of PVA. <i>Optical Materials</i> , 2020, 108, 110212.	3.6	14
21	Facile design of a CUT-OFF laser power attenuation using safranin O-doped PMMA polymeric composite films: Optical spectroscopy and dielectric properties. <i>Optik</i> , 2020, 219, 164943.	2.9	14
22	Applicability of mode-coupling theory to polyisobutylene: A molecular dynamics simulation study. <i>Physical Review E</i> , 2013, 88, 042302.	2.1	13
23	Microstructure analysis and nonlinear/linear optical parameters of polymer composite films based PVAL for wide optical applications. <i>Physica Scripta</i> , 2021, 96, 115804.	2.5	13
24	Structural investigation and optical enhancement characterization of nanostructured Ga-doped @CdO/FTO films for photodiode applications. <i>Optical Materials</i> , 2020, 110, 110458.	3.6	12
25	Detailed investigation of optical linearity and nonlinearity of nanostructured Ce-doped CdO thin films using Kramers-Kronig relations. <i>Applied Physics A: Materials Science and Processing</i> , 2020, 126, 1.	2.3	12
26	Tailoring structure, nonlinear/linear optical, and dielectric properties of PVA/PVP film by spinel LiMn ₂ O ₄ nanoparticles. <i>Chinese Journal of Physics</i> , 2022, 78, 27-43.	3.9	12
27	Synthesis, optical limiting and properties of Rhodamine B-doped PMMA polymeric films/glass substrate: New trends in polymeric composites. <i>Optik</i> , 2020, 212, 164687.	2.9	11
28	Tailoring the linear/nonlinear optical and visible shielding performance of PVP/PVOH incorporated with NiO nanoparticles for optical devices. <i>Optik</i> , 2022, 251, 168373.	2.9	10
29	Synthesis, characterization, refractive index-bandgap relations, and optical nonlinearity parameters of CuI/PVOH nanocomposites. <i>Optics and Laser Technology</i> , 2021, 136, 106736.	4.6	9
30	Structure analysis and nonlinear/linear optical properties of PVAOH/Si composites for low-cost optical technologies and limiting absorption. <i>Journal of Materials Science: Materials in Electronics</i> , 2021, 32, 4466-4479.	2.2	9
31	Use of niobium oxide nanoparticles as nanofillers in PVP/PVA blends to enhance UV-visible absorption, optical linearity, and nonlinear optical properties. <i>Journal of Vinyl and Additive Technology</i> , 2022, 28, 444-458.	3.4	9
32	Investigating the structural morphology, linear/nonlinear optical characteristics of Nd ₂ O ₃ doped PVA polymeric composite films: Kramers-Kronig approach. <i>Physica Scripta</i> , 2021, 96, 125831.	2.5	8
33	Fabrication, microstructure, and nonlinear/linear optical parameters of polymeric-based poly(vinyl) Tj ETQq1 1 0.784314 rgBT /Over for Advanced Technologies, 2022, 33, 3323-3338.	3.2	8
34	Influence of the indium on the structure and the optical properties of the ZnO thin film: Kramer kronig relation and the spectroscopic ellipsometry. <i>Materials Letters</i> , 2021, 283, 128783.	2.6	7
35	Control the nanostructured growth of manganese oxide using starch: Electrical and optical analysis. <i>Optik</i> , 2021, 227, 165969.	2.9	7
36	Multifunctional Applications of a Novel Ru-Metal Mixed PVAL Flexible Composite for Limiting Absorption and Varistor: Synthesis, Optical, and Electrical Characterization. <i>Journal of Inorganic and Organometallic Polymers and Materials</i> , 2021, 31, 1503-1516.	3.7	7

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37	Structural, electrical, and nonlinear optical performance of PVAL embedded with Li ⁺ ions for multifunctional devices. <i>Polymers for Advanced Technologies</i> , 2021, 32, 1011-1025.	3.2	7
38	A novel polymer/ceramic composite film for different optical applications: optical linear, nonlinear, and limiting properties. <i>Physica Scripta</i> , 2021, 96, 055804.	2.5	7
39	Comparative Degradation Studies of Carmine Dye by Photocatalysis and Photoelectrochemical Oxidation Processes in the Presence of Graphene/N-Doped ZnO Nanostructures. <i>Crystals</i> , 2022, 12, 535.	2.2	7
40	Vanadium Chloride Impregnated Polyvinyl Alcohol Composite as Efficient Linear, Non-Linear, and Limiting Optical Applications: Microstructure, Electrical, and Optical Properties. <i>Physics of the Solid State</i> , 2021, 63, 165-182.	0.6	2
41	Study the effect of mercuric ions concentration on some optical properties of Polyvinyl (alcohol/)	0.784314	2
42	Disentangling Self-Atomic Motions in Polyisobutylene by Molecular Dynamics Simulations. <i>Polymers</i> , 2021, 13, 670.	4.5	1
43	THU0495â€¦ROLE OF PLATELET RICH PLASMA IN TREATMENT OF ROTATOR CUFF TENDINOPATHY AND PARTIAL THICKNESS TEAR: FOLLOW UP BY ULTRASOUND. , 2019, , .		0