

Abdullah Al Naim

List of Publications by Year in descending order

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26
papers

323
citations

840776

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888059

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26
all docs

26
docs citations

26
times ranked

280
citing authors

#	ARTICLE	IF	CITATIONS
1	Effect of gamma irradiation on the mechanical properties of PVC/ZnO polymer nanocomposite. Journal of Radiation Research and Applied Sciences, 2017, 10, 165-171.	1.2	48
2	A new reusable adsorbent of polyvinyl alcohol/magnesium peroxide (PVA/MgO ₂) for highly selective adsorption and dye removal. Materials Chemistry and Physics, 2021, 270, 124820.	4.0	30
3	Thermal Degradation of Polystyrene (PS) Nanocomposites Loaded with Sol Gel-Synthesized ZnO Nanorods. Polymers, 2020, 12, 1935.	4.5	28
4	Effects of Kerr Medium and Stark Shift Parameter on Wehrl Entropy and the Field Purity for Two-Photon Jaynes-Cummings Model Under Dispersive Approximation. Journal of Russian Laser Research, 2019, 40, 20-29.	0.6	23
5	Electron transporting water-gated thin film transistors. Applied Physics Letters, 2012, 101, 141603.	3.3	22
6	New high mechanically flexible and bendable nanocomposite Ag@NCDots/PEDOT:PSS/PVA films with high thermoelectric power performance and generator. Polymer, 2021, 226, 123792.	3.8	19
7	Structural, FTIR spectra and optical properties of pure and co-doped Zn _{1-x-y} FexMyO ceramics with (M ²⁺ =Cu, Ni) for plastic deformation and optoelectronic applications. Applied Physics A: Materials Science and Processing, 2021, 127, 840.	2.3	15
8	Structural, optical, and magnetic properties of Co-doped ZnO nanocrystalline thin films for spintronic devices. Journal of Materials Science: Materials in Electronics, 2020, 31, 3613-3621.	2.2	14
9	A new class of electromagnetic shields based on carbon dots adorning Te nanorods embedded into PEDOT:PSS for protection from electromagnetic (EM) pollutions. Progress in Organic Coatings, 2021, 161, 106509.	3.9	14
10	Characterization of PVC/MWCNTs Nanocomposite: Solvent Blend. Science and Engineering of Composite Materials, 2020, 27, 55-64.	1.4	14
11	A water-gated organic thin film transistor as a sensor for water-borne amines. Talanta, 2016, 153, 107-110.	5.5	12
12	Precursor-route ZnO films from a mixed casting solvent for high performance aqueous electrolyte-gated transistors. Physical Chemistry Chemical Physics, 2015, 17, 31247-31252.	2.8	10
13	Entanglement and physical attributes of the interaction between two SC-qubits and thermal field in the presence of a magnetic field. Microelectronics Journal, 2019, 86, 15-21.	2.0	10
14	Structural and Optical Characteristics of Highly UV-Blue Luminescent ZnNiO Nanoparticles Prepared by Sol-Gel Method. Materials, 2020, 13, 879.	2.9	10
15	Water-gated organic nanowire transistors. Organic Electronics, 2013, 14, 1057-1063.	2.6	9
16	Organic solvents as gate media for thin-film transistors. Journal of Applied Physics, 2012, 112, .	2.5	7
17	Ultrafast Detection of SARS-CoV-2 Spike Protein (S) and Receptor-Binding Domain (RBD) in Saliva Using Surface-Enhanced Raman Spectroscopy. Applied Sciences (Switzerland), 2022, 12, 5039.	2.5	7
18	Dynamic mechanical analysis and non-isothermal kinetics of EVA/PPy carbon black nanocomposites. Materials Science and Technology, 2019, 35, 560-570.	1.6	6

#	ARTICLE	IF	CITATIONS
19	Structural morphology and nonlinear behavior of pure and co-doped Zn _{1-x-y} FexMyO varistors with (M = Cu, Ni). Applied Physics A: Materials Science and Processing, 2021, 127, 486.	2.3	6
20	Damping in the Interaction of a Field and Two Three-Level Atoms Through Quantized Caldirola-Kanai Hamiltonian. Journal of Russian Laser Research, 2018, 39, 231-241.	0.6	5
21	Interaction between two two-level atoms coupled to N-level quantum system. Optical and Quantum Electronics, 2019, 51, 1.	3.3	4
22	Influence of LiCl and AgNO ₃ Doping on the Electrical Conductivity of PVA Flexible Electrolyte Polymer Film. Crystals, 2021, 11, 822.	2.2	3
23	Synthesis and characterization of copper hydroxynitrate salt (Cu ₂ (OH) ₃ NO ₃): Effect of gamma radiation absorbed doses on thermal stability. Materials Express, 2019, 9, 545-552.	0.5	2
24	Morphological and Thermal Properties of Poly(Vinyl Alcohol)/Layered Double Hydroxide Hybrid Nanocomposite Fibers. International Journal of Polymer Science, 2020, 2020, 1-14.	2.7	2
25	Superconductivity and thermal fluctuation of Y _{1-x} Mx: 123 systems with (M = Pr,Ca) & (0.00 < x < 0.50): Comparative study. Physica B: Condensed Matter, 2021, 621, 413288.	2.7	2
26	Ceramic Ti/TiO ₂ /AuNP Film with 1-D Nanostructures for Selfstanding Supercapacitor Electrodes. Crystals, 2022, 12, 791.	2.2	1