

# Abdullah Al Naim

## List of Publications by Year in descending order

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26  
papers

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citations

840776

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888059

17  
g-index

26  
all docs

26  
docs citations

26  
times ranked

280  
citing authors

| #  | ARTICLE  | IF  | CITATIONS |
|----|--|-----|-----------|
| 1  | 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         |
| 2  | Ceramic Ti/TiO <sub>2</sub> /AuNP Film with 1-D Nanostructures for Selfstanding Supercapacitor Electrodes. Crystals, 2022, 12, 791.  | 2.2 | 1         |
| 3  | 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        |
| 4  | Structural morphology and nonlinear behavior of pure and co-doped Zn <sub>1-x-y</sub> FexMyO varistors with (M = Cu, Ni). Applied Physics A: Materials Science and Processing, 2021, 127, 486.   | 2.3 | 6         |
| 5  | Influence of LiCl and AgNO <sub>3</sub> Doping on the Electrical Conductivity of PVA Flexible Electrolyte Polymer Film. Crystals, 2021, 11, 822.   | 2.2 | 3         |
| 6  | A new reusable adsorbent of polyvinyl alcohol/magnesium peroxide (PVA/MgO <sub>2</sub> ) for highly selective adsorption and dye removal. Materials Chemistry and Physics, 2021, 270, 124820.  | 4.0 | 30        |
| 7  | Superconductivity and thermal fluctuation of Y <sub>1-x</sub> Mx: 123 systems with (M = Pr,Ca) & (0.00 < x < 0.50): Comparative study. Physica B: Condensed Matter, 2021, 621, 413288.   | 2.7 | 2         |
| 8  | 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        |
| 9  | Structural, FTIR spectra and optical properties of pure and co-doped Zn <sub>1-x-y</sub> FexMyO ceramics with (M = Cu, Ni) for plastic deformation and optoelectronic applications. Applied Physics A: Materials Science and Processing, 2021, 127, 840. | 2.3 | 15        |
| 10 | 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         |
| 11 | Thermal Degradation of Polystyrene (PS) Nanocomposites Loaded with Sol Gel-Synthesized ZnO Nanorods. Polymers, 2020, 12, 1935.   | 4.5 | 28        |
| 12 | 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        |
| 13 | Characterization of PVC/MWCNTs Nanocomposite: Solvent Blend. Science and Engineering of Composite Materials, 2020, 27, 55-64.  | 1.4 | 14        |
| 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 | Interaction between two two-level atoms coupled to N-level quantum system. Optical and Quantum Electronics, 2019, 51, 1.   | 3.3 | 4         |
| 16 | Synthesis and characterization of copper hydroxynitrate salt (Cu <sub>2</sub> (OH) <sub>3</sub> NO <sub>3</sub> ): Effect of gamma radiation absorbed doses on thermal stability. Materials Express, 2019, 9, 545-552.                                   | 0.5 | 2         |
| 17 | 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        |
| 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 | 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        |
| 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 | 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        |
| 22 | A water-gated organic thin film transistor as a sensor for water-borne amines. Talanta, 2016, 153, 107-110.   | 5.5 | 12        |
| 23 | 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        |
| 24 | Water-gated organic nanowire transistors. Organic Electronics, 2013, 14, 1057-1063.   | 2.6 | 9         |
| 25 | Organic solvents as gate media for thin-film transistors. Journal of Applied Physics, 2012, 112, .  | 2.5 | 7         |
| 26 | Electron transporting water-gated thin film transistors. Applied Physics Letters, 2012, 101, 141603.  | 3.3 | 22        |