

# Emad E Ghandourah

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/5097128/publications.pdf>

Version: 2024-02-01

18  
papers

468  
citations

1163117

8  
h-index

1058476

14  
g-index

21  
all docs

21  
docs citations

21  
times ranked

202  
citing authors

| #  | ARTICLE  | IF  | CITATIONS |
|----|--|-----|-----------|
| 1  | An improved Artificial Neural Network using Arithmetic Optimization Algorithm for damage assessment in FGM composite plates. <i>Composite Structures</i> , 2021, 273, 114287.  | 5.8 | 178       |
| 2  | A new fine-tuned random vector functional link model using Hunger games search optimizer for modeling friction stir welding process of polymeric materials. <i>Journal of Materials Research and Technology</i> , 2021, 14, 1482-1493. | 5.8 | 69        |
| 3  | A hybrid PSO and Grey Wolf Optimization algorithm for static and dynamic crack identification. <i>Theoretical and Applied Fracture Mechanics</i> , 2022, 118, 103213.  | 4.7 | 58        |
| 4  | Effect of graphene nanoparticles on the physical and mechanical properties of the Al2024-graphene nanocomposites fabricated by powder metallurgy. <i>Results in Physics</i> , 2020, 19, 103343.  | 4.1 | 45        |
| 5  | Microstructural, mechanical and thermal properties evaluation of AA6061/Al2O3-BN hybrid and mono nanocomposite surface. <i>Journal of Materials Research and Technology</i> , 2020, 9, 15486-15495.                                    | 5.8 | 22        |
| 6  | Bending and Buckling of FG-GRNC Laminated Plates via Quasi-3D Nonlocal Strain Gradient Theory. <i>Mathematics</i> , 2022, 10, 1321.  | 2.2 | 20        |
| 7  | Influence of Friction Stir Process on the Physical, Microstructural, Corrosive, and Electrical Properties of an Al-Mg Alloy Modified with Ti-B Additives. <i>Materials</i> , 2022, 15, 835.  | 2.9 | 18        |
| 8  | The Effect of Different Fly Ash and Vanadium Carbide Contents on the Various Properties of Hypereutectic Al-Si Alloys-Based Hybrid Nanocomposites. <i>Silicon</i> , 2022, 14, 5367-5377.   | 3.3 | 16        |
| 9  | The effect of V2O5 on the Ba-Al2O3-P2O5 glass for use in optical filters. <i>Journal of Materials Research and Technology</i> , 2022, 19, 4905-4914.   | 5.8 | 8         |
| 10 | GIS and Remote Sensing-Based Multi-Criteria Analysis for Delineation of Groundwater Potential Zones: A Case Study for Industrial Zones in Bangladesh. <i>Sustainability</i> , 2022, 14, 6667.  | 3.2 | 6         |
| 11 | The Effect of Incorporating Ceramic Particles with Different Morphologies on the Microstructure, Mechanical and Tribological Behavior of Hybrid TaC_ BN/AA2024 Nanocomposites. <i>Coatings</i> , 2021, 11, 1560.                       | 2.6 | 4         |
| 12 | An Analytical Solution for the Problem of Stresses in Magneto-Piezoelectric Thermoelastic Material under the Influence of Rotation. <i>Physical Mesomechanics</i> , 2020, 23, 362-368.   | 1.9 | 3         |
| 13 | A COMPARISON OF THE COG AND MCNP CODES IN COMPUTATIONAL NEUTRON CAPTURE THERAPY MODELING, PART I: BORON NEUTRON CAPTURE THERAPY MODELS. <i>Health Physics</i> , 2005, 89, 127-134.   | 0.5 | 2         |
| 14 | Nonlocal Elasticity Theory for the Mechanical Behavior of Protein Microtubules. <i>Physical Mesomechanics</i> , 2021, 24, 319-325.   | 1.9 | 2         |
| 15 | Mathematical Approach for Effect of Growth on the Mechanical Stresses during Soft Tissues and Avascular Tumor. <i>Applied Mathematics and Information Sciences</i> , 2017, 11, 1353-1360.  | 0.5 | 1         |
| 16 | Mathematical Model for Problem of Stresses in ThermoMagneto-Piezoelectric Material. <i>Applied Mathematics and Information Sciences</i> , 2017, 11, 1217-1223.   | 0.5 | 0         |
| 17 | Mathematical Model of Wave Propagation in Thermo-Magneto-Piezoelectric Transversely Isotropic Cylindrical Material. <i>Journal of Computational and Theoretical Nanoscience</i> , 2017, 14, 3812-3820.                                 | 0.4 | 0         |
| 18 | Mathematical Model of Wave Propagation in Thermo-Magneto-Piezoelectric Elastic Solid Bar Immersed in an Inviscid Fluid. <i>Journal of Computational and Theoretical Nanoscience</i> , 2017, 14, 3764-3771.                             | 0.4 | 0         |