

# Hamad F Alharbi

## List of Publications by Year in descending order

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33  
papers

1,095  
citations

430754

18  
h-index

395590

33  
g-index

34  
all docs

34  
docs citations

34  
times ranked

1280  
citing authors

#	ARTICLE	IF	CITATIONS
1	Removal of cadmium ions from water using coaxially electrospun PAN/ZnO-encapsulated PVDF nanofiber membranes. <i>Polymer Bulletin</i> , 2022, 79, 2831-2850.	1.7	17
2	Magnetic/Polyetherimide-Acrylonitrile Composite Nanofibers for Nickel Ion Removal from Aqueous Solution. <i>Membranes</i> , 2021, 11, 50.	1.4	14
3	Post Processing Strategies for the Enhancement of Mechanical Properties of ENMs (Electrospun) Tj ETQq1 1 0.784314 rgBT /Overlock 1.4 46	1.4	46
4	Cadmium Selenide Quantum Dots for Solar Cell Applications: A Review. <i>Chemistry - an Asian Journal</i> , 2021, 16, 902-921.	1.7	36
5	Balanced Mechanical and Tribological Performance of High-Frequency-Sintered Al-SiC Achieved via Innovative Milling Route—Experimental and Theoretical Study. <i>Crystals</i> , 2021, 11, 700.	1.0	12
6	Silver Micro-Nanoparticle-Based Nanoarchitectures: Synthesis Routes, Biomedical Applications, and Mechanisms of Action. <i>Polymers</i> , 2021, 13, 2870.	2.0	13
7	Investigation on structural and opto-electronic properties of substitutional Sn doped WS <sub>2</sub> by co-sputtering technique. <i>Journal of Materials Research and Technology</i> , 2021, 15, 846-854.	2.6	4
8	Influence of Milling Route on the Corrosion Passivation of Al-2%SiC Nanocomposites in Chloride Solutions. <i>Crystals</i> , 2021, 11, 1231.	1.0	4
9	Influence of Zirconium on the Corrosion Passivation of Titanium in Simulated Body Fluid. <i>Crystals</i> , 2021, 11, 1391.	1.0	6
10	Tribo-Behavior and Corrosion Properties of Welded 304L and 316L Stainless Steel. <i>Coatings</i> , 2021, 11, 1567.	1.2	3
11	Effects of Mg Content on the Microstructural and Mechanical Properties of Al-4Cu-xMg-0.3Ag Alloys. <i>Crystals</i> , 2020, 10, 895.	1.0	6
12	Influence of Extrusion Temperature on the Corrosion Behavior in Sodium Chloride Solution of Solid State Recycled Aluminum Alloy 6061 Chips. <i>Crystals</i> , 2020, 10, 353.	1.0	1
13	Perceiving of Defect Tolerance in Perovskite Absorber Layer for Efficient Perovskite Solar Cell. <i>IEEE Access</i> , 2020, 8, 106346-106353.	2.6	38
14	Scaling-up medical technologies using flexographic printing. <i>Talanta</i> , 2020, 219, 121236.	2.9	13
15	Superior Mechanical Performance of Inductively Sintered Al/SiC Nanocomposites Processed by Novel Milling Route. <i>Scientific Reports</i> , 2020, 10, 10368.	1.6	18
16	Facile and efficient 3-chlorophenol sensor development based on photoluminescent core-shell CdSe/ZnS quantum dots. <i>Scientific Reports</i> , 2020, 10, 557.	1.6	33
17	WS <sub>2</sub> : A New Window Layer Material for Solar Cell Application. <i>Scientific Reports</i> , 2020, 10, 771.	1.6	67
18	Electrospun Bilayer PAN/Chitosan Nanofiber Membranes Incorporated with Metal Oxide Nanoparticles for Heavy Metal Ion Adsorption. <i>Coatings</i> , 2020, 10, 285.	1.2	35

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19	Novel optimised highly aligned electrospun PEI-PAN nanofibre mats with excellent wettability. <i>Polymer</i> , 2019, 180, 121665.	1.8	25
20	Enhanced Corrosion Resistance of Recycled Aluminum Alloy 6061 Chips Using Hot Extrusion Followed by ECAP. <i>Journal of Chemistry</i> , 2019, 2019, 1-8.	0.9	3
21	Enhancement of heavy metal ion adsorption using electrospun polyacrylonitrile nanofibers loaded with ZnO nanoparticles. <i>Journal of Applied Polymer Science</i> , 2019, 136, 47209.	1.3	45
22	Composite nanofibers membranes of poly(vinyl alcohol)/chitosan for selective lead(II) and cadmium(II) ions removal from wastewater. <i>Ecotoxicology and Environmental Safety</i> , 2019, 169, 479-486.	2.9	217
23	Viscoelastic behavior of core-shell structured nanofibers of PLA and PVA produced by coaxial electrospinning. <i>Polymer Testing</i> , 2018, 67, 136-143.	2.3	31
24	Fabrication of core-shell structured nanofibers of poly (lactic acid) and poly (vinyl alcohol) by coaxial electrospinning for tissue engineering. <i>European Polymer Journal</i> , 2018, 98, 483-491.	2.6	64
25	Fabrication techniques and morphological analysis of perovskite absorber layer for high-efficiency perovskite solar cell: A review. <i>Renewable and Sustainable Energy Reviews</i> , 2018, 98, 469-488.	8.2	46
26	Preparation of TiO <sub>2</sub> incorporated polyacrylonitrile electrospun nanofibers for adsorption of heavy metal ions. <i>Journal of Polymer Research</i> , 2018, 25, 1.	1.2	30
27	Experimental and Numerical Study of Texture Evolution and Anisotropic Plastic Deformation of Pure Magnesium under Various Strain Paths. <i>Advances in Materials Science and Engineering</i> , 2018, 2018, 1-12.	1.0	4
28	Prediction of Cutting Conditions in Turning AZ61 and Parameters Optimization Using Regression Analysis and Artificial Neural Network. <i>Advances in Materials Science and Engineering</i> , 2018, 2018, 1-10.	1.0	11
29	Antibiofilm activity of synthesized electrospun core-shell nanofiber composites of PLA and PVA with silver nanoparticles. <i>Materials Research Express</i> , 2018, 5, 095001.	0.8	11
30	Titanium Carbide Nanofibers-Reinforced Aluminum Compacts, a New Strategy to Enhance Mechanical Properties. <i>Materials</i> , 2016, 9, 399.	1.3	19
31	Crystal plasticity finite element simulations using a database of discrete Fourier transforms. <i>International Journal of Plasticity</i> , 2015, 66, 71-84.	4.1	47
32	Extracting single-crystal elastic constants from polycrystalline samples using spherical nanoindentation and orientation measurements. <i>Acta Materialia</i> , 2014, 79, 108-116.	3.8	45
33	Crystal plasticity simulations using discrete Fourier transforms. <i>Acta Materialia</i> , 2009, 57, 1777-1784.	3.8	131