

# Hammad Younes

## List of Publications by Year in descending order

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49  
papers

1,170  
citations

430843

18  
h-index

395678

33  
g-index

49  
all docs

49  
docs citations

49  
times ranked

1017  
citing authors

#	ARTICLE	IF	CITATIONS
1	Nanofluids: Key parameters to enhance thermal conductivity and its applications. Applied Thermal Engineering, 2022, 207, 118202.	6.0	94
2	Natural Jordanian zeolite: removal of heavy metal ions from water samples using column and batch methods. Environmental Monitoring and Assessment, 2009, 157, 319-330.	2.7	90
3	Effects of alignment, $\rho$ , $\eta$ , surfactant, and solvent on heat transfer nanofluids containing Fe <sub>2</sub> O <sub>3</sub> and CuO nanoparticles. Journal of Applied Physics, 2012, 111, .	2.5	89
4	Finite element predictions of effective multifunctional properties of interpenetrating phase composites with novel triply periodic solid shell architected reinforcements. International Journal of Mechanical Sciences, 2015, 92, 80-89.	6.7	70
5	Nanostructuring of pseudocapacitive MnFe <sub>2</sub> O <sub>4</sub> /Porous rGO electrodes in capacitive deionization. Electrochimica Acta, 2019, 306, 1-8.	5.2	65
6	Thermal Conductivity of Nanofluids: Review. Journal of Nanofluids, 2015, 4, 107-132.	2.7	59
7	Polymer nanocomposites with improved mechanical and thermal properties by magnetically aligned carbon nanotubes. Polymer, 2019, 166, 81-87.	3.8	56
8	Fabrication of Freestanding Sheets of Multiwalled Carbon Nanotubes (Buckypapers) for Vanadium Redox Flow Batteries and Effects of Fabrication Variables on Electrochemical Performance. Electrochimica Acta, 2017, 230, 222-235.	5.2	53
9	Tribological properties of carbon nanotube grease. Industrial Lubrication and Tribology, 2014, 66, 579-583.	1.3	45
10	Electrical conductivity of 3D periodic architected interpenetrating phase composites with carbon nanostructured-epoxy reinforcements. Composites Science and Technology, 2015, 118, 127-134.	7.8	44
11	Effects of solvent hydrogen bonding, viscosity, and polarity on the dispersion and alignment of nanofluids containing Fe <sub>2</sub> O <sub>3</sub> nanoparticles. Journal of Applied Physics, 2015, 118, .	2.5	36
12	Functionalized three-dimensional graphene sponges for highly efficient crude and diesel oil adsorption. Environmental Science and Pollution Research, 2018, 25, 23091-23105.	5.3	29
13	Gradient 3D-printed honeycomb structure polymer coated with a composite consisting of Fe <sub>3</sub> O <sub>4</sub> multi-granular nanoclusters and multi-walled carbon nanotubes for electromagnetic wave absorption. Synthetic Metals, 2021, 275, 116731.	3.9	28
14	Asymmetric configuration of pseudocapacitive composite and rGO electrodes for enhanced capacitive deionization. Environmental Science: Water Research and Technology, 2020, 6, 392-403.	2.4	25
15	Processing and property investigation of high-density carbon nanostructured papers with superior conductive and mechanical properties. Diamond and Related Materials, 2016, 68, 109-117.	3.9	24
16	Hydrogen bonding enhanced thermally conductive carbon nano grease. Synthetic Metals, 2020, 259, 116213.	3.9	24
17	Alignment of Carbon Nanotubes Comprising Magnetically Sensitive Metal Oxides by Nonionic Chemical Surfactants. Journal of Nanofluids, 2013, 2, 25-28.	2.7	23
18	Carbon nanotubes grease with high electrical conductivity. Synthetic Metals, 2020, 268, 116496.	3.9	22

#	ARTICLE	IF	CITATIONS
19	Alignment of Carbon Nanofibers in Water and Epoxy by External Magnetic Field. Journal of Nanofluids, 2014, 3, 33-37.	2.7	20
20	Single-Walled Carbon Nanotubes Coated by Fe <sub>2</sub> O <sub>3</sub> Nanoparticles with Enhanced Magnetic Properties. ECS Journal of Solid State Science and Technology, 2014, 3, M39-M44.	1.8	19
21	Synthesis and optical characterization of carbon nanotube arrays. Materials Research Bulletin, 2016, 77, 243-252.	5.2	19
22	Three dimensional (3D) percolation network structure: Key to form stable carbon nano grease. Journal of Applied Research and Technology, 2016, 14, 375-382.	0.9	18
23	Improving mechanical properties of PVA based nano composite using aligned single-wall carbon nanotubes. Materials Research Express, 2019, 6, 1050a6.	1.6	17
24	Strategies for tuning hierarchical porosity of 3D rGO to optimize ion electrosorption. 2D Materials, 2019, 6, 045010.	4.4	17
25	Alignment of Different Functionalized Single Wall Carbon Nanotubes Using Fe <sub>2</sub> O <sub>3</sub> Nanoparticles Under External Magnetic Field. Journal of Nanofluids, 2013, 2, 4-10.	2.7	17
26	Magnetic-field-assisted DLP stereolithography for controlled production of highly aligned 3D printed polymer-Fe <sub>3</sub> O <sub>4</sub> @graphene nanocomposites. Materials Research Bulletin, 2022, 154, 111938.	5.2	16
27	Optimizing the Dispersion Conditions of SWCNTs in Aqueous Solution of Surfactants and Organic Solvents. Journal of Nanomaterials, 2014, 2014, 1-11.	2.7	15
28	Thin carbon nanostructure mat with high electromagnetic interference shielding performance. Synthetic Metals, 2019, 253, 48-56.	3.9	15
29	Impact of short duration, high-flow H <sub>2</sub> annealing on graphene synthesis and surface morphology with high spatial resolution assessment of coverage. Carbon, 2017, 125, 318-326.	10.3	12
30	A Novel Approach to Fabricate Carbon Nanomaterials—Nanoparticle Solids through Aqueous Solutions and Their Applications. Nanomanufacturing and Metrology, 2021, 4, 226-236.	3.0	12
31	Tribological Behavior of Novel CNTs-Based Lubricant Grease in Steady-State and Fretting Sliding Conditions. Lubricants, 2021, 9, 107.	2.9	12
32	Hybrid graphene metasurface for near-infrared absorbers. Optics Express, 2019, 27, 24866.	3.4	11
33	Broadband light absorption by silver nanoparticle decorated silica nanospheres. RSC Advances, 2016, 6, 107951-107959.	3.6	10
34	TC Study of Manufacturable Nano Grease: Evidence of 3D Network Structure. Nanomanufacturing and Metrology, 2018, 1, 148-155.	3.0	7
35	Carbon nanomaterials based TSVs for dual sensing and vertical interconnect application. , 2015, , .		6
36	A Rheological Investigation of Carbon Nanotube Grease. Journal of Nanoscience and Nanotechnology, 2019, 19, 4046-4051.	0.9	6

#	ARTICLE	IF	CITATIONS
37	Nanofluids as Media for High Capacity Anodes of Lithium-Ion Batteryâ€”A Review. Journal of Nanofluids, 2019, 8, 657-670.	2.7	6
38	Enhanced electrical conductivity of anticorrosive coatings by functionalized carbon nanotubes: effect of hydrogen bonding. Nanotechnology, 2022, 33, 155704.	2.6	6
39	Plasmonic nanofluids enhanced solar thermal transfer liquid. AIP Conference Proceedings, 2017, , .	0.4	5
40	Manufacturable Novel Nanogrease with Superb Physical Properties. Nanomanufacturing and Metrology, 2021, 4, 289-297.	3.0	5
41	Fabrication and design of CNTs inkjet-printed based micro FET sensor for sodium chloride scale detection in oil field. Sensors and Actuators A: Physical, 2017, 263, 349-356.	4.1	4
42	Assessing the Stability of Inkjet-Printed Carbon Nanotube for Brine Sensing Applications. Journal of Nanoscience and Nanotechnology, 2020, 20, 7644-7652.	0.9	4
43	Nanofluids Based on Carbon Nanostructures. , 0, , .		3
44	Effect of Saline Solution on the Electrical Response of Single Wall Carbon Nanotubes-Epoxy Nanocomposites. Journal of Nanomaterials, 2017, 2017, 1-8.	2.7	3
45	Investigation of Magnetic Properties of $\hat{1}^3$ -Fe2O3 NP-Decorated Carbon Nanostructured Mats. Jom, 2019, 71, 3142-3150.	1.9	3
46	Highly electrically conductive carbon nanostructured mats fabricated out of aligned CNTs-based flakes. Diamond and Related Materials, 2020, 106, 107849.	3.9	3
47	Carbon Nanotube Inkjet Printing Based Resettable Sensor for Online Scale Monitoring. Journal of Nanoscience and Nanotechnology, 2017, 17, 405-412.	0.9	2
48	Three-Dimensional Graphene Interconnected Structure, Fabrication Methods and Applications: Review. Journal of Nanomedicine & Nanotechnology, 2017, 08, .	1.1	1
49	Carbon Nanostructureâ€”Based Scale Sensors Using Inkjet Printing and Casting Techniques. , 0, , .		0