

# Amal Al Ghaferi

## List of Publications by Year in descending order

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Version: 2024-02-01

28  
papers

281  
citations

933410

10  
h-index

940516

16  
g-index

28  
all docs

28  
docs citations

28  
times ranked

335  
citing authors

#	ARTICLE	IF	CITATIONS
1	Thermal Conductivity of Nanofluids: Review. Journal of Nanofluids, 2015, 4, 107-132.	2.7	59
2	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
3	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
4	Synthesis and optical characterization of carbon nanotube arrays. Materials Research Bulletin, 2016, 77, 243-252.	5.2	19
5	Direct growth of single-layer terminated vertical graphene array on germanium by plasma enhanced chemical vapor deposition. Carbon, 2019, 155, 320-325.	10.3	19
6	What is going on with Middle Eastern solar prices, and what does it mean for the rest of us?. Progress in Photovoltaics: Research and Applications, 2021, 29, 638-648.	8.1	17
7	Optimizing the Dispersion Conditions of SWCNTs in Aqueous Solution of Surfactants and Organic Solvents. Journal of Nanomaterials, 2014, 2014, 1-11.	2.7	15
8	Thin carbon nanostructure mat with high electromagnetic interference shielding performance. Synthetic Metals, 2019, 253, 48-56.	3.9	15
9	The power laws of nanoscale forces under ambient conditions. Chemical Communications, 2015, 51, 17619-17622.	4.1	10
10	Broadband light absorption by silver nanoparticle decorated silica nanospheres. RSC Advances, 2016, 6, 107951-107959.	3.6	10
11	A green synthetic route for zinc oxide nanoarchitectures using L-lysine. Materials Letters, 2013, 92, 361-364.	2.6	8
12	TC Study of Manufacturable Nano Grease: Evidence of 3D Network Structure. Nanomanufacturing and Metrology, 2018, 1, 148-155.	3.0	7
13	Carbon nanomaterials based TSVs for dual sensing and vertical interconnect application. , 2015, , .		6
14	An amino acid-based swift synthesis of zinc oxide nanostructures. RSC Advances, 2014, 4, 4371-4378.	3.6	5
15	Plasmonic nanofluids enhanced solar thermal transfer liquid. AIP Conference Proceedings, 2017, , .	0.4	5
16	Holistic Characterization of Carbon Nanotube Membrane for Capacitive Deionization Electrodes Application. Materials Research Society Symposia Proceedings, 2015, 1752, 125-130.	0.1	4
17	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
18	Revealing the Quasi-Periodic Crystallographic Structure of Self-Assembled SnTiS <sub>3</sub> Misfit Compound. Journal of Physical Chemistry C, 2021, 125, 9956-9964.	3.1	4

#	ARTICLE	IF	CITATIONS
19	A user-friendly FIB lift-out technique to prepare plan-view TEM sample of 2D thin film materials. <i>Ultramicroscopy</i> , 2022, 235, 113496.	1.9	4
20	Nanofluids Based on Carbon Nanostructures. , 0, , .		3
21	Effect of Saline Solution on the Electrical Response of Single Wall Carbon Nanotubes-Epoxy Nanocomposites. <i>Journal of Nanomaterials</i> , 2017, 2017, 1-8.	2.7	3
22	Investigation of Magnetic Properties of $\hat{1}^3$ -Fe <sub>2</sub> O <sub>3</sub> NP-Decorated Carbon Nanostructured Mats. <i>Jom</i> , 2019, 71, 3142-3150.	1.9	3
23	Highly electrically conductive carbon nanostructured mats fabricated out of aligned CNTs-based flakes. <i>Diamond and Related Materials</i> , 2020, 106, 107849.	3.9	3
24	Carbon Nanotube Inkjet Printing Based Resettable Sensor for Online Scale Monitoring. <i>Journal of Nanoscience and Nanotechnology</i> , 2017, 17, 405-412.	0.9	2
25	Ultra-Cheap Renewable Energy as an Enabling Technology for Deep Industrial Decarbonization via Capture and Utilization of Process CO <sub>2</sub> Emissions. <i>Energies</i> , 2022, 15, 5181.	3.1	2
26	Realizing High Photovoltaic Power Densities With Tracking-Integrated Concentrator Photovoltaics. <i>Frontiers in Energy Research</i> , 0, 10, .	2.3	1
27	Reconciling macro- with nano- carrier mobility measurements in organic photovoltaic blends. <i>Applied Physics Letters</i> , 2014, 104, 173905.	3.3	0
28	Carbon Nanostructureâ€Based Scale Sensors Using Inkjet Printing and Casting Techniques. , 0, , .		0