

# Maziar Shakerzadeh

## List of Publications by Year in descending order

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31  
papers

497  
citations

840119

11  
h-index

676716

22  
g-index

32  
all docs

32  
docs citations

32  
times ranked

777  
citing authors

#	ARTICLE	IF	CITATIONS
1	Electrowetting Control of Cassie-to-Wenzel Transitions in Superhydrophobic Carbon Nanotube-Based Nanocomposites. <i>ACS Nano</i> , 2009, 3, 3031-3036.	7.3	120
2	Template-Free Electrochemical Deposition of Interconnected ZnSb Nanoflakes for Li-Ion Battery Anodes. <i>Chemistry of Materials</i> , 2011, 23, 1032-1038.	3.2	65
3	Superhydrophobic amorphous carbon/carbon nanotube nanocomposites. <i>Applied Physics Letters</i> , 2009, 94, .	1.5	51
4	Plasma density induced formation of nanocrystals in physical vapor deposited carbon films. <i>Carbon</i> , 2011, 49, 1733-1744.	5.4	34
5	Field emission enhancement and microstructural changes of carbon films by single pulse laser irradiation. <i>Carbon</i> , 2011, 49, 1018-1024.	5.4	29
6	Reordering Chaotic Carbon: Origins and Application of Textured Carbon. <i>Advanced Materials</i> , 2012, 24, 4112-4123.	11.1	25
7	Quantitative, nanoscale mapping of sp <sup>2</sup> percentage and crystal orientation in carbon multilayers. <i>Carbon</i> , 2009, 47, 94-101.	5.4	24
8	Growth of few-wall carbon nanotubes with narrow diameter distribution over Fe-Mo-MgO catalyst by methane/acetylene catalytic decomposition. <i>Nanoscale Research Letters</i> , 2012, 7, 102.	3.1	24
9	Superhydrophobic carbon nanotube/amorphous carbon nanosphere hybrid film. <i>Diamond and Related Materials</i> , 2009, 18, 1235-1238.	1.8	21
10	Thermal conductivity of nanocrystalline carbon films studied by pulsed photothermal reflectance. <i>Carbon</i> , 2012, 50, 1428-1431.	5.4	19
11	Electrical properties of textured carbon film formed by pulsed laser annealing. <i>Diamond and Related Materials</i> , 2012, 23, 135-139.	1.8	11
12	Laser-Heating-Induced Damage to Ultrathin Carbon Overcoat in Heat-Assisted Magnetic Recording. <i>Tribology Letters</i> , 2014, 53, 303-310.	1.2	10
13	Fabrication of aligned carbon nanotubes on Cu catalyst by dc plasma-enhanced catalytic decomposition. <i>Applied Surface Science</i> , 2009, 255, 6404-6407.	3.1	8
14	Thickness dependency of field emission in amorphous and nanostructured carbon thin films. <i>Nanoscale Research Letters</i> , 2012, 7, 286.	3.1	7
15	On the recovery of 2DEG properties in vertically ordered h-BN deposited AlGaN/GaN heterostructures on Si substrate. <i>Applied Physics Express</i> , 2020, 13, 065508.	1.1	7
16	Novel Solution for High-Temperature Dielectric Application to Encapsulate High-Voltage Power Semiconductor Devices. <i>IEEE Transactions on Components, Packaging and Manufacturing Technology</i> , 2019, 9, 3-9.	1.4	6
17	Laser irradiation effect on carbon overcoat for HAMR application. <i>Surface and Interface Analysis</i> , 2014, 46, 204-208.	0.8	5
18	Nitrogen-mediated aligned growth of hexagonal BN films for reliable high-performance InSe transistors. <i>Journal of Materials Chemistry C</i> , 2020, 8, 4421-4431.	2.7	5

#	ARTICLE	IF	CITATIONS
19	Versatile and scalable chemical vapor deposition of vertically aligned MoTe <sub>2</sub> on reusable Mo foils. Nano Research, 2020, 13, 2371-2377.	5.8	5
20	Dielectric dispersion and superior thermal characteristics in isotope-enriched hexagonal boron nitride thin films: evaluation as thermally self-dissipating dielectrics for GaN transistors. Journal of Materials Chemistry C, 2020, 8, 9558-9568.	2.7	4
21	Structure and wetting properties of metal polymer nanocomposites. International Journal of Nanotechnology, 2009, 6, 653.	0.1	3
22	Thickness dependency of the structure and laser irradiation stability of filtered cathodic vacuum arc grown carbon films for heat assisted magnetic recording overcoat. Surface and Coatings Technology, 2013, 236, 207-211.	2.2	3
23	The effect of high deposition energy of carbon overcoats on perpendicular magnetic recording media. Applied Physics Letters, 2013, 103, .	1.5	3
24	Laser Heating-Induced Degradation of Ultrathin Media Carbon Overcoat for Heat-Assisted Magnetic Recording. IEEE Transactions on Magnetics, 2016, 52, 1-6.	1.2	3
25	Nonvolatile Memory Effects of ZnO Nanoparticles Embedded in an Amorphous Carbon Layer. Japanese Journal of Applied Physics, 2010, 49, 070209.	0.8	2
26	Microstructure and electrical properties of in-situ annealed carbon films. , 2010, , .		1
27	Self-organised hybrid nanostructures composed of the array of vertically aligned carbon nanotubes and planar graphene multi-layer. International Journal of Nanotechnology, 2014, 11, 230.	0.1	1
28	Wettability, nanoscratch resistance and thermal stability of filtered cathodic vacuum arc grown nitrogenated amorphous carbon films. Surface and Coatings Technology, 2016, 292, 30-36.	2.2	1
29	Highly conductive aligned carbon film for interconnect application. , 2010, , .		0
30	Study on thermal boundary conductance between diamond and amorphous carbon. , 2011, , .		0
31	Electrical properties of FCVA deposited nano-crystalline graphitic carbon thin films with in situ treatment techniques. EPJ Applied Physics, 2019, 85, 20301.	0.3	0