

Mohammad A Rafiee

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

23
papers

5,951
citations

17
h-index

24
g-index

24
ext. papers

6,506
ext. citations

8.6
avg, IF

5.47
L-index

#	Paper	IF	Citations
23	Enhanced mechanical properties of nanocomposites at low graphene content. <i>ACS Nano</i> , 2009 , 3, 3884-90	16.7	2005
22	Fracture and fatigue in graphene nanocomposites. <i>Small</i> , 2010 , 6, 179-83	11	696
21	Toughening in graphene ceramic composites. <i>ACS Nano</i> , 2011 , 5, 3182-90	16.7	494
20	Graphene/aluminum nanocomposites. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2011 , 528, 7933-7937	5.3	426
19	Enhanced Thermal Conductivity in a Nanostructured Phase Change Composite due to Low Concentration Graphene Additives. <i>Journal of Physical Chemistry C</i> , 2011 , 115, 8753-8758	3.8	330
18	Superhydrophobic to superhydrophilic wetting control in graphene films. <i>Advanced Materials</i> , 2010 , 22, 2151-4	24	321
17	Graphene nanoribbon composites. <i>ACS Nano</i> , 2010 , 4, 7415-20	16.7	239
16	Dramatic increase in fatigue life in hierarchical graphene composites. <i>ACS Applied Materials & Interfaces</i> , 2010 , 2, 2738-43	9.5	201
15	Application of mother wavelet functions for automatic gear and bearing fault diagnosis. <i>Expert Systems With Applications</i> , 2010 , 37, 4568-4579	7.8	200
14	Suppression of wear in graphene polymer composites. <i>Carbon</i> , 2012 , 50, 3178-3183	10.4	190
13	Buckling resistant graphene nanocomposites. <i>Applied Physics Letters</i> , 2009 , 95, 223103	3.4	188
12	Enhanced thermal stability in graphene oxide covalently functionalized with 2-amino-4,6-didodecylamino-1,3,5-triazine. <i>Carbon</i> , 2011 , 49, 1258-1265	10.4	186
11	Feature extraction of forearm EMG signals for prosthetics. <i>Expert Systems With Applications</i> , 2011 , 38, 4058-4067	7.8	124
10	Hexagonal Boron Nitride and Graphite Oxide Reinforced Multifunctional Porous Cement Composites. <i>Advanced Functional Materials</i> , 2013 , 23, 5624-5630	15.6	106
9	Wavelet basis functions in biomedical signal processing. <i>Expert Systems With Applications</i> , 2011 , 38, 6190-6201	7.8	102
8	Fullerene/epoxy nanocomposites-enhanced mechanical properties at low nanofiller loading. <i>Journal of Nanoparticle Research</i> , 2011 , 13, 733-737	2.3	63
7	Thinning of multilayer graphene to monolayer graphene in a plasma environment. <i>Nanotechnology</i> , 2011 , 22, 025704	3.4	47

6	An n-type, new emerging luminescent polybenzodioxane polymer for application in solution-processed green emitting OLEDs. <i>Journal of Materials Chemistry C</i> , 2015 , 3, 2568-2574	7.1	16
5	Female sexual responses using signal processing techniques. <i>Journal of Sexual Medicine</i> , 2009 , 6, 3086-96.	6.1	6
4	Dependence of the Yield and Fatigue Strength of the Thread Rolled Mild Steel on Dislocation Density. <i>Journal of Manufacturing Science and Engineering, Transactions of the ASME</i> , 2007 , 129, 216-222	3.3	5
3	Application of Daubechies 44 in machine fault diagnostics 2009 ,		4
2	Biosignals: PsychoPhysio-Signal Processing concept 2009 ,		1
1	Three-phase textile nanocomposites: significant improvements in strength, toughness and ductility. <i>Journal of Nanoscience and Nanotechnology</i> , 2010 , 10, 1025-9	1.3	1