

Mohammad A Rafiee

List of Publications by Year in descending order

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24
papers

6,943
citations

471509
17
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713466
21
g-index

24
all docs

24
docs citations

24
times ranked

8206
citing authors

#	ARTICLE	IF	CITATIONS
1	Enhanced Mechanical Properties of Nanocomposites at Low Graphene Content. ACS Nano, 2009, 3, 3884-3890.	14.6	2,381
2	Fracture and Fatigue in Graphene Nanocomposites. Small, 2010, 6, 179-183.	10.0	781
3	Toughening in Graphene Ceramic Composites. ACS Nano, 2011, 5, 3182-3190.	14.6	568
4	Graphene–aluminum nanocomposites. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2011, 528, 7933-7937.	5.6	514
5	Enhanced Thermal Conductivity in a Nanostructured Phase Change Composite due to Low Concentration Graphene Additives. Journal of Physical Chemistry C, 2011, 115, 8753-8758.	3.1	377
6	Superhydrophobic to Superhydrophilic Wetting Control in Graphene Films. Advanced Materials, 2010, 22, 2151-2154.	21.0	352
7	Graphene Nanoribbon Composites. ACS Nano, 2010, 4, 7415-7420.	14.6	264
8	Application of mother wavelet functions for automatic gear and bearing fault diagnosis. Expert Systems With Applications, 2010, 37, 4568-4579.	7.6	242
9	Buckling resistant graphene nanocomposites. Applied Physics Letters, 2009, 95, .	3.3	215
10	Dramatic Increase in Fatigue Life in Hierarchical Graphene Composites. ACS Applied Materials & Interfaces, 2010, 2, 2738-2743.	8.0	213
11	Suppression of wear in graphene polymer composites. Carbon, 2012, 50, 3178-3183.	10.3	213
12	Enhanced thermal stability in graphene oxide covalently functionalized with 2-amino-4,6-didodecylamino-1,3,5-triazine. Carbon, 2011, 49, 1258-1265.	10.3	206
13	Feature extraction of forearm EMG signals for prosthetics. Expert Systems With Applications, 2011, 38, 4058-4067.	7.6	181
14	Wavelet basis functions in biomedical signal processing. Expert Systems With Applications, 2011, 38, 6190-6201.	7.6	138
15	Hexagonal Boron Nitride and Graphite Oxide Reinforced Multifunctional Porous Cement Composites. Advanced Functional Materials, 2013, 23, 5624-5630.	14.9	129
16	Fullerene–epoxy nanocomposites-enhanced mechanical properties at low nanofiller loading. Journal of Nanoparticle Research, 2011, 13, 733-737.	1.9	76
17	Thinning of multilayer graphene to monolayer graphene in a plasma environment. Nanotechnology, 2011, 22, 025704.	2.6	53
18	An n-type, new emerging luminescent polybenzodioxane polymer for application in solution-processed green emitting OLEDs. Journal of Materials Chemistry C, 2015, 3, 2568-2574.	5.5	18

#	ARTICLE	IF	CITATIONS
19	Dependence of the Yield and Fatigue Strength of the Thread Rolled Mild Steel on Dislocation Density. Journal of Manufacturing Science and Engineering, Transactions of the ASME, 2007, 129, 216-222.	2.2	9
20	Female Sexual Responses Using Signal Processing Techniques. Journal of Sexual Medicine, 2009, 6, 3086-3096.	0.6	6
21	Application of Daubechies 44 in machine fault diagnostics. , 2009, , .		5
22	Biosignals: PsychoPhysio-Signal Processing concept. , 2009, , .		1
23	Three-Phase Textile Nanocomposites: Significant Improvements in Strength, Toughness and Ductility. Journal of Nanoscience and Nanotechnology, 2010, 10, 1025-1029.	0.9	1
24	Evidence of Coulomb Friction Damping in Graphene Nanocomposites. , 2010, , .		0