

Javad Rafiee

List of Publications by Year in descending order

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Version: 2024-02-01

28
papers

7,477
citations

361045

20
h-index

713013

21
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28
all docs

28
docs citations

28
times ranked

9606
citing authors

#	ARTICLE	IF	CITATIONS
1	Enhanced Mechanical Properties of Nanocomposites at Low Graphene Content. ACS Nano, 2009, 3, 3884-3890.	7.3	2,381
2	Wetting transparency of graphene. Nature Materials, 2012, 11, 217-222.	13.3	971
3	Fracture and Fatigue in Graphene Nanocomposites. Small, 2010, 6, 179-183.	5.2	781
4	Graphene-aluminum nanocomposites. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2011, 528, 7933-7937.	2.6	514
5	Superhydrophobic to Superhydrophilic Wetting Control in Graphene Films. Advanced Materials, 2010, 22, 2151-2154.	11.1	352
6	Intelligent condition monitoring of a gearbox using artificial neural network. Mechanical Systems and Signal Processing, 2007, 21, 1746-1754.	4.4	273
7	Graphene Nanoribbon Composites. ACS Nano, 2010, 4, 7415-7420.	7.3	264
8	Application of mother wavelet functions for automatic gear and bearing fault diagnosis. Expert Systems With Applications, 2010, 37, 4568-4579.	4.4	242
9	Buckling resistant graphene nanocomposites. Applied Physics Letters, 2009, 95, .	1.5	215
10	Dramatic Increase in Fatigue Life in Hierarchical Graphene Composites. ACS Applied Materials & Interfaces, 2010, 2, 2738-2743.	4.0	213
11	Enhanced thermal stability in graphene oxide covalently functionalized with 2-amino-4,6-didodecylamino-1,3,5-triazine. Carbon, 2011, 49, 1258-1265.	5.4	206
12	Feature extraction of forearm EMG signals for prosthetics. Expert Systems With Applications, 2011, 38, 4058-4067.	4.4	181
13	Graphene Supported Platinum Nanoparticle Counter-Electrode for Enhanced Performance of Dye-Sensitized Solar Cells. ACS Applied Materials & Interfaces, 2011, 3, 3884-3889.	4.0	153
14	A novel technique for selecting mother wavelet function using an intelligent fault diagnosis system. Expert Systems With Applications, 2009, 36, 4862-4875.	4.4	148
15	Wavelet basis functions in biomedical signal processing. Expert Systems With Applications, 2011, 38, 6190-6201.	4.4	138
16	Graphene supported nickel nanoparticle as a viable replacement for platinum in dye sensitized solar cells. Nanoscale, 2012, 4, 926-930.	2.8	116
17	Use of autocorrelation of wavelet coefficients for fault diagnosis. Mechanical Systems and Signal Processing, 2009, 23, 1554-1572.	4.4	115
18	Fullerene-epoxy nanocomposites-enhanced mechanical properties at low nanofiller loading. Journal of Nanoparticle Research, 2011, 13, 733-737.	0.8	76

#	ARTICLE	IF	CITATIONS
19	Graphene Colloidal Suspensions as High Performance Semi-Synthetic Metal-Working Fluids. Journal of Physical Chemistry C, 2011, 115, 3410-3415.	1.5	67
20	Thinning of multilayer graphene to monolayer graphene in a plasma environment. Nanotechnology, 2011, 22, 025704.	1.3	53
21	Female Sexual Responses Using Signal Processing Techniques. Journal of Sexual Medicine, 2009, 6, 3086-3096.	0.3	6
22	Application of Daubechies 44 in machine fault diagnostics. , 2009, , .		5
23	A comparison of forearm EMG and psychophysical EEG signals using statistical signal processing. , 2009, , .		3
24	Biorobotics: Optimized biosignal classification using mother wavelet matrix. , 2009, , .		2
25	Strength properties of light-cured dental restorative composites. , 2009, , .		1
26	Biosignals: PsychoPhysio-Signal Processing concept. , 2009, , .		1
27	Automatic frequency extraction using sinusoidal approximation and wavelet transform. , 2009, , .		0
28	Evidence of Coulomb Friction Damping in Graphene Nanocomposites. , 2010, , .		0