Yadienka Martinez-Rubi

List of Publications by Year
in descending order

38 papers	1,283 citations	430874 18 h-index	395702 33 g-index
38 all docs	38 docs citations	38 times ranked	1746 citing authors

#	Article	IF	Citations
1	Development and characterization of PEEK/carbon nanotube composites. Carbon, 2009, 47, 3079-3090.	10.3	170
2	Single-walled carbon nanotubeâ€“epoxy composites for structural and conductive aerospace adhesives. Composites Part B: Engineering, 2015, 69, 87-93.	12.0	132
3	High performance PEEK/carbon nanotube composites compatibilized with polysulfones-II. Mechanical and electrical properties. Carbon, 2010, 48, 3500-3511.	10.3	114
4	High performance PEEK/carbon nanotube composites compatibilized with polysulfones-I. Structure and thermal properties. Carbon, 2010, 48, 3485-3499.	10.3	88
5	Mechanistic insights into the effect of nanoparticles on zebrafish hatch. Nanotoxicology, 2014, 8, 295-304.	3.0	83
6	Toughening of Epoxy Matrices with Reduced Single-Walled Carbon Nanotubes. ACS Applied Materials & Interfaces, 2011, 3, 2309-2317.	8.0	77
7	Rapid and controllable covalent functionalization of single-walled carbon nanotubes at room temperature. Chemical Communications, 2007, , 5146.	4.1	55
8	Processing and properties of PEEK/glass fiber laminates: Effect of addition of single-walled carbon nanotubes. Composites Part A: Applied Science and Manufacturing, 2012, 43, 1267-1279.	7.6	50
9	Scalable Gas-Phase Purification of Boron Nitride Nanotubes by Selective Chlorine Etching. Chemistry of Materials, 2020, 32, 3911-3921.	6.7	38
10	Polymer nanocomposites from free-standing, macroscopic boron nitride nanotube assemblies. RSC Advances, 2015, 5, 41186-41192.	3.6	37
11	Enhanced Thermal Conductivity in Polymer Nanocomposites via Covalent Functionalization of Boron Nitride Nanotubes with Short Polyethylene Chains for Heat-Transfer Applications. ACS Applied Nano Materials, 2019, 2, 440-451.	5.0	35
12	Self-Assembly and Visualization of Poly(3-hexyl-thiophene) Chain Alignment along Boron Nitride Nanotubes. Journal of Physical Chemistry C, 2015, 119, 26605-26610.	3.1	31
13	Physicochemical properties of functionalized carbon-based nanomaterials and their toxicity to fishes. Carbon, 2016, 104, 78-89.	10.3	31
14	Fabrication of High Content Carbon Nanotubeâ€“Polyurethane Sheets with Tailorable Properties. ACS Applied Materials & Interfaces, 2017, 9, 30840-30849.	8.0	30
15	Boron Nitride Nanotube Composites and Applications. , 2019, , 91-111.		29
16	Nanoreinforced epoxy and adhesive joints incorporating boron nitride nanotubes. International Journal of Adhesion and Adhesives, 2018, 84, 194-201.	2.9	27
17	Multifunctional fiber reinforced polymer composites using carbon and boron nitride nanotubes. Acta Astronautica, 2017, 141, 57-63.	3.2	25
18	Assessing size-dependent cytotoxicity of boron nitride nanotubes using a novel cardiomyocyte AFM assay. Nanoscale Advances, 2019, 1, 1914-1923.	4.6	24

#	Article	IF	Citations
19	Enhanced Shear Performance of Hybrid Glass Fiberâ€“Epoxy Laminates Modified with Boron Nitride Nanotubes. ACS Applied Nano Materials, 2018, 1, 2709-2717.	5.0	20
20	Epoxy resin nanocomposites with hydroxyl (OH) and amino (NH2) functionalized boron nitride nanotubes. Nanocomposites, 2018, 4, 10-17.	4.2	20
21	Quality Assessment of Bulk Boron Nitride Nanotubes for Advancing Research, Commercial, and Industrial Applications. ACS Applied Nano Materials, 2019, 2, 2054-2063.	5.0	19
22	Single-walled carbon nanotubeâ€“modified epoxy thin films for continuous crack monitoring of metallic structures. Structural Health Monitoring, 2012, 11, 589-601.	7.5	17
23	About the solubility of reduced SWCNT in DMSO. Nanotechnology, 2009, 20, 245701.	2.6	16
24	Coupled thermogravimetry, mass spectrometry, and infrared spectroscopy for quantification of surface functionality on single-walled carbon nanotubes. Analytical and Bioanalytical Chemistry, 2010, 396, 1037-1044.	3.7	16
25	Reactive fillers based on SWCNTs functionalized with matrix-based moieties for the production of epoxy composites with superior and tunable properties. Nanotechnology, 2012, 23, 285702.	2.6	14
26	Influence of the reaction stoichiometry on the mechanical and thermal properties of SWCNT-modified epoxy composites. Nanotechnology, 2013, 24, 265701.	2.6	13
27	Dynamic mechanical characterization of boron nitride nanotubeâ€”epoxy nanocomposites. Polymer Composites, 2019, 40, 2119-2131.	4.6	13
28	In-Flight Plasma Functionalization of Boron Nitride Nanotubes with Ammonia for Composite Applications. ACS Applied Nano Materials, 2020, 3, 294-302.	5.0	12
29	Molecular engineering of the surface of boron nitride nanotubes for manufacture of thermally conductive dielectric polymer composites. Applied Surface Science, 2022, 587, 152779.	6.1	11
30	Boron Nitride Nanotube Coatings for Thermal Management of Printed Silver Inks on Temperature Sensitive Substrates. Advanced Electronic Materials, 2021, 7, 2001035.	5.1	7
31	Effects of SWCNTs on mechanical and thermal performance of epoxy at elevated temperatures. Journal of Materials Science, 2013, 48, 7664-7672.	3.7	6
32	Conformational Order in Aggregated rra-P3HT as an Indicator of Quality of Boron Nitride Nanotubes. Journal of Physical Chemistry Letters, 2020, 11, 4179-4185.	4.6	6
33	Glass Fiberâ€“Epoxy Composites with Boron Nitride Nanotubes for Enhancing Interlaminar Properties in Structures. ACS Omega, 2022, 7, 10674-10686.	3.5	6
34	Stretchable Structure for a Benchtop-Scale Morphed Leading Edge Demonstration. , 2019, , .		5
35	Multifunctional skin materials based on tailorable, carbon-nanotube-polyurethane composite sheets. , 2018, , .		4
36	Carbon nanotubes diminish IgE-mediated degranulation in the rat basophilic leukemia (RBL)-2H3 cell line. NanoImpact, 2018, 9, 31-41.	4.5	1

#	Article	IF	Citations
37	NUCLEATION AND SELECTIVE GROWTH OFPOLYMORPHS OF CALCIUM CARBONATE ON ORGANIC-INORGANIC HYBRID FILMS. Journal of the Chilean Chemical Society, 2008, 53, .	1.2	1
38	Evaluation of Novel Solutions for Lightning Strike Protection of Composites Using Current Carrying Capacity. , 2018, , .		0