# Yadienka Martinez-Rubi

List of Publications by Year
in descending order



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|---|---|---|---|
| 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 | 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 |
| 2 | Glass Fiberâ€“Epoxy Composites with Boron Nitride Nanotubes for Enhancing Interlaminar Properties in Structures. ACS Omega, 2022, 7, 10674-10686. | 3.5 | 6 |
| 3 | Boron Nitride Nanotube Coatings for Thermal Management of Printed Silver Inks on Temperature Sensitive Substrates. Advanced Electronic Materials, 2021, 7, 2001035. | 5.1 | 7 |
| 4 | In-Flight Plasma Functionalization of Boron Nitride Nanotubes with Ammonia for Composite Applications. ACS Applied Nano Materials, 2020, 3, 294-302. | 5.0 | 12 |
| 5 | 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 |
| 6 | Scalable Gas-Phase Purification of Boron Nitride Nanotubes by Selective Chlorine Etching. Chemistry of Materials, 2020, 32, 3911-3921. | 6.7 | 38 |
| 7 | Stretchable Structure for a Benchtop-Scale Morphed Leading Edge Demonstration. , 2019, , . | | 5 |
| 8 | Assessing size-dependent cytotoxicity of boron nitride nanotubes using a novel cardiomyocyte AFM assay. Nanoscale Advances, 2019, 1, 1914-1923. | 4.6 | 24 |
| 9 | Boron Nitride Nanotube Composites and Applications. , 2019, , 91-111. | | 29 |
| 10 | 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 |
| 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 | Dynamic mechanical characterization of boron nitride nanotubeâ€"epoxy nanocomposites. Polymer Composites, 2019, 40, 2119-2131. | 4.6 | 13 |
| 13 | Multifunctional skin materials based on tailorable, carbon-nanotube-polyurethane composite sheets. , 2018, , . | | 4 |
| 14 | Evaluation of Novel Solutions for Lightning Strike Protection of Composites Using Current Carrying Capacity. , 2018, , . | | 0 |
| 15 | Nanoreinforced epoxy and adhesive joints incorporating boron nitride nanotubes. International Journal of Adhesion and Adhesives, 2018, 84, 194-201. | 2.9 | 27 |
| 16 | Carbon nanotubes diminish IgE-mediated degranulation in the rat basophilic leukemia (RBL)-2H3 cell line. NanoImpact, 2018, 9, 31-41. | 4.5 | 1 |
| 17 | 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 |
| 18 | Epoxy resin nanocomposites with hydroxyl (OH) and amino (NH2) functionalized boron nitride nanotubes. Nanocomposites, 2018, 4, 10-17. | 4.2 | 20 |

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|---|---|---|---|
| 19 | Multifunctional fiber reinforced polymer composites using carbon and boron nitride nanotubes. Acta Astronautica, 2017, 141, 57-63. | 3.2 | 25 |
| 20 | Fabrication of High Content Carbon Nanotubeâ€“Polyurethane Sheets with Tailorable Properties. ACS Applied Materials & Interfaces, 2017, 9, 30840-30849. | 8.0 | 30 |
| 21 | Physicochemical properties of functionalized carbon-based nanomaterials and their toxicity to fishes. Carbon, 2016, 104, 78-89. | 10.3 | 31 |
| 22 | 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 |
| 23 | Polymer nanocomposites from free-standing, macroscopic boron nitride nanotube assemblies. RSC Advances, 2015, 5, 41186-41192. | 3.6 | 37 |
| 24 | Single-walled carbon nanotubeâ€“epoxy composites for structural and conductive aerospace adhesives. Composites Part B: Engineering, 2015, 69, 87-93. | 12.0 | 132 |
| 25 | Mechanistic insights into the effect of nanoparticles on zebrafish hatch. Nanotoxicology, 2014, 8, 295-304. | 3.0 | 83 |
| 26 | Effects of SWCNTs on mechanical and thermal performance of epoxy at elevated temperatures. Journal of Materials Science, 2013, 48, 7664-7672. | 3.7 | 6 |
| 27 | Influence of the reaction stoichiometry on the mechanical and thermal properties of SWCNT-modified epoxy composites. Nanotechnology, 2013, 24, 265701. | 2.6 | 13 |
| 28 | 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 |
| 29 | 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 |
| 30 | 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 |
| 31 | Toughening of Epoxy Matrices with Reduced Single-Walled Carbon Nanotubes. ACS Applied Materials & Interfaces, 2011, 3, 2309-2317. | 8.0 | 77 |
| 32 | 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 |
| 33 | High performance PEEK/carbon nanotube composites compatibilized with polysulfones-I. Structure and thermal properties. Carbon, 2010, 48, 3485-3499. | 10.3 | 88 |
| 34 | High performance PEEK/carbon nanotube composites compatibilized with polysulfones-II. Mechanical and electrical properties. Carbon, 2010, 48, 3500-3511. | 10.3 | 114 |
| 35 | Development and characterization of PEEK/carbon nanotube composites. Carbon, 2009, 47, 3079-3090. | 10.3 | 170 |
| 36 | About the solubility of reduced SWCNT in DMSO. Nanotechnology, 2009, 20, 245701. | 2.6 | 16 |

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|---|---|---|---|
| 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 | Rapid and controllable covalent functionalization of single-walled carbon nanotubes at room temperature. Chemical Communications, 2007, , 5146. | 4.1 | 55 |