

# Giovanni Spinelli

## 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.

28

papers

670

citations

13

h-index

25

g-index

34

ext. papers

824

ext. citations

4.4

avg, IF

3.89

L-index

#	Paper	IF	Citations
28	Development of epoxy mixtures for application in aeronautics and aerospace. <i>RSC Advances</i> , <b>2014</b> , 4, 15474-15488	3.7	108
27	Piezoresistive properties of resin reinforced with carbon nanotubes for health-monitoring of aircraft primary structures. <i>Composites Part B: Engineering</i> , <b>2016</b> , 107, 192-202	10	101
26	The role of carbon nanofiber defects on the electrical and mechanical properties of CNF-based resins. <i>Nanotechnology</i> , <b>2013</b> , 24, 305704	3.4	77
25	Experimental and theoretical study on piezoresistive properties of a structural resin reinforced with carbon nanotubes for strain sensing and damage monitoring. <i>Composites Part B: Engineering</i> , <b>2018</b> , 145, 90-99	10	59
24	Influence of carbon nanoparticles/epoxy matrix interaction on mechanical, electrical and transport properties of structural advanced materials. <i>Nanotechnology</i> , <b>2017</b> , 28, 094001	3.4	57
23	Rheological and electrical behaviour of nanocarbon/poly(lactic) acid for 3D printing applications. <i>Composites Part B: Engineering</i> , <b>2019</b> , 167, 467-476	10	39
22	Electrical conductivity of carbon nanofiber reinforced resins: Potentiality of Tunneling Atomic Force Microscopy (TUNA) technique. <i>Composites Part B: Engineering</i> , <b>2018</b> , 143, 148-160	10	35
21	Improvement of the electrical conductivity in multiphase epoxy-based MWCNT nanocomposites by means of an optimized clay content. <i>Composites Science and Technology</i> , <b>2013</b> , 89, 69-76	8.6	30
20	Nanocarbon/Poly(Lactic) Acid for 3D Printing: Effect of Fillers Content on Electromagnetic and Thermal Properties. <i>Materials</i> , <b>2019</b> , 12,	3.5	24
19	Effects of Filament Extrusion, 3D Printing and Hot-Pressing on Electrical and Tensile Properties of Poly(Lactic) Acid Composites Filled with Carbon Nanotubes and Graphene. <i>Nanomaterials</i> , <b>2019</b> , 10,	5.4	23
18	Morphological, Rheological and Electromagnetic Properties of Nanocarbon/Poly(lactic) Acid for 3D Printing: Solution Blending vs. Melt Mixing. <i>Materials</i> , <b>2018</b> , 11,	3.5	23
17	Damage Monitoring of Structural Resins Loaded with Carbon Fillers: Experimental and Theoretical Study. <i>Nanomaterials</i> , <b>2020</b> , 10,	5.4	17
16	Numerical study of electrical behaviour in carbon nanotube composites. <i>International Journal of Applied Electromagnetics and Mechanics</i> , <b>2012</b> , 39, 21-27	0.4	15
15	Electrical properties of multi-walled carbon nanotube/tetrafunctional epoxy-amine composites <b>2012</b> ,		9
14	Numerical Simulation of the Percolation Threshold in Non-Overlapping Ellipsoid Composites: Toward Bottom-Up Approach for Carbon Based Electromagnetic Components Realization. <i>Applied Sciences (Switzerland)</i> , <b>2018</b> , 8, 882	2.6	8
13	Electrical Current Map and Bulk Conductivity of Carbon Fiber-Reinforced Nanocomposites. <i>Polymers</i> , <b>2019</b> , 11,	4.5	8
12	Sensitivity analysis of a Graphene Field-Effect Transistors by means of Design of Experiments. <i>Mathematics and Computers in Simulation</i> , <b>2021</b> , 183, 187-197	3.3	8

11	Evaluation of thermal and electrical conductivity of carbon-based PLA nanocomposites for 3D printing <b>2018</b> ,		7
10	Analysis of the Effects of Hydrotalcite Inclusion on the Temperature-Sensing Properties of CNT-Epoxy Nanocomposites. <i>IEEE Sensors Journal</i> , <b>2016</b> , 16, 7977-7985	4	6
9	Experimental, Theoretical and Simulation Studies on the Thermal Behavior of PLA-Based Nanocomposites Reinforced with Different Carbonaceous Fillers. <i>Nanomaterials</i> , <b>2021</b> , 11,	5-4	4
8	Fabrication and Charge Transport Modeling of Thin-Film Transistor Based on Carbon Nanotubes Network. <i>IEEE Nanotechnology Magazine</i> , <b>2014</b> , 13, 795-804	2.6	3
7	Dielectric Spectroscopy and Thermal Properties of Poly(lactic) Acid Reinforced with Carbon-Based Particles: Experimental Study and Design Theory. <i>Polymers</i> , <b>2020</b> , 12,	4-5	2
6	Electrical properties of multiphase composites based on carbon nanotubes and an optimized clay content <b>2016</b> ,		2
5	Morphological and electrical characterization of epoxy resin filled with exfoliated graphite <b>2015</b> ,		1
4	Reliable bounds for the propagation delay in VLSI nano interconnects based on Multi Wall Carbon Nano Tubes <b>2010</b> ,		1
3	Investigation of Electrical Properties of Graphene-Based Nanocomposites Supported by Tunnelling AFM (TUNA). <i>Lecture Notes in Electrical Engineering</i> , <b>2020</b> , 375-387	0.2	
2	Nanocomposites conductivity point measurement using Tunneling AFM (TUNA). <i>MATEC Web of Conferences</i> , <b>2018</b> , 233, 00022	0.3	
1	Electrical characterization of aeronautical nanocomposites supported by Tunneling AFM (TUNA). <i>MATEC Web of Conferences</i> , <b>2018</b> , 233, 00023	0.3	