Monica Campo Gomez

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/4470589/publications.pdf

Version: 2024-02-01

52 papers	1,610 citations	331670 21 h-index	302126 39 g-index
52 all docs	52 docs citations	52 times ranked	1508 citing authors

#	Article	IF	Citations
1	Effect of the carbon nanotube functionalization on flexural properties of multiscale carbon fiber/epoxy composites manufactured by VARIM. Composites Part B: Engineering, 2013, 45, 1613-1619.	12.0	139
2	Corrosion resistance of thermally sprayed Al and Al/SiC coatings on Mg. Surface and Coatings Technology, 2009, 203, 3224-3230.	4.8	106
3	Thermo-physical characterisation of epoxy resin reinforced by amino-functionalized carbon nanofibers. Composites Science and Technology, 2009, 69, 349-357.	7.8	101
4	Effects of dispersion techniques of carbon nanofibers on the thermo-physical properties of epoxy nanocomposites. Composites Science and Technology, 2008, 68, 2722-2730.	7.8	96
5	Anti-icing and de-icing coatings based Joule's heating of graphene nanoplatelets. Composites Science and Technology, 2018, 164, 65-73.	7.8	80
6	Morphology Development in Thermosetting Mixtures through the Variation on Chemical Functionalization Degree of Poly(styrene-‹i›b‹/i›-butadiene) Diblock Copolymer Modifiers. Thermomechanical Properties. Macromolecules, 2009, 42, 6215-6224.	4.8	79
7	Effect of reinforcement coatings on the dry sliding wear behaviour of aluminium/SiC particles/carbon fibres hybrid composites. Wear, 2009, 266, 1128-1136.	3.1	66
8	Characterization of carbon nanofiber/epoxy nanocomposites by the nanoindentation technique. Composites Part B: Engineering, 2011, 42, 638-644.	12.0	62
9	Microstructure and wear resistance of Alâ€“SiC composites coatings on ZE41 magnesium alloy. Applied Surface Science, 2009, 255, 9174-9181.	6.1	58
10	DLP 4Dâ€Printing of Remotely, Modularly, and Selectively Controllable Shape Memory Polymer Nanocomposites Embedding Carbon Nanotubes. Advanced Functional Materials, 2021, 31, 2106774.	14.9	56
11	Corrosion behaviour of thermally sprayed Al and Al/SiCp composite coatings on ZE41 magnesium alloy in chloride medium. Corrosion Science, 2010, 52, 761-768.	6.6	54
12	Effect of silica coatings on interfacial mechanical properties in aluminiumâ€”SiC composites characterized by nanoindentation. Scripta Materialia, 2005, 52, 977-982.	5.2	45
13	Effect of type, percentage and dispersion method of multi-walled carbon nanotubes on tribological properties of epoxy composites. Wear, 2015, 324-325, 100-108.	3.1	42
14	Mechanical and Strain-Sensing Capabilities of Carbon Nanotube Reinforced Composites by Digital Light Processing 3D Printing Technology. Polymers, 2020, 12, 975.	4.5	41
15	Wear behaviour of thermal spray Al/SiCp coatings. Wear, 2010, 268, 828-836.	3.1	40
16	Influence of the functionalization of carbon nanotubes on calendering dispersion effectiveness in a low viscosity resin for VARIM processes. Composites Part B: Engineering, 2012, 43, 3482-3490.	12.0	36
17	The influence of mechanical dispersion of MWCNT in epoxy matrix by calendering method: Batch method versus time controlled. Composites Part B: Engineering, 2013, 48, 88-94.	12.0	34
18	Thermal spray coatings of highly reinforced aluminium matrix composites with solâ€“gel silica coated SiC particles. Surface and Coatings Technology, 2007, 201, 7552-7559.	4.8	29

#	Article	IF	Citations
19	Effect of Reinforcement Coating on the Oxidation Behavior of AA6061/SiC/20p Composite. Oxidation of Metals, 2005, 63, 215-227.	2.1	28
20	Al/SiCp and Al11Si/SiCp coatings on AZ91 magnesium alloy by HVOF. Surface and Coatings Technology, 2015, 261, 130-140.	4.8	27
21	Properties and microstructure of Alâ€“11Si/SiCp composite coatings fabricated by thermal spray. Surface and Coatings Technology, 2009, 203, 1947-1955.	4.8	24
22	Dispersion of carbon nanofibres in a low viscosity resin by calendering process to manufacture multiscale composites by VARIM. Composites Part B: Engineering, 2012, 43, 3104-3113.	12.0	22
23	3D printed epoxy-CNTs/GNPs conductive inks with application in anti-icing and de-icing systems. European Polymer Journal, 2020, 141, 110090.	5.4	22
24	Al/SiC composite coatings of steels by thermal spraying. Materials Letters, 2008, 62, 2114-2117.	2.6	21
25	Sol-gel coatings to improve processing of aluminium matrix SiC reinforced composite materials. Journal of Materials Research, 2004, 19, 2109-2116.	2.6	20
26	Highly Multifunctional GNP/Epoxy Nanocomposites: From Strain-Sensing to Joule Heating Applications. Nanomaterials, 2020, 10, 2431.	4.1	20
27	Solâ€“Gel Coatings as Active Barriers to Protect Ceramic Reinforcement in Aluminum Matrix Composites. Advanced Engineering Materials, 2004, 6, 57-61.	3.5	19
28	Surface modification of carbon nanofibers with platinum nanoparticles using a â€œpolygonal barrel-sputteringâ€•system. Materials Letters, 2008, 62, 2118-2121.	2.6	19
29	Dual layer silica coatings of SiC particle reinforcements in aluminium matrix composites. Surface and Coatings Technology, 2006, 200, 4017-4026.	4.8	17
30	Oxy-acetylene flame thermal sprayed coatings of aluminium matrix composites reinforced with MoSi2 intermetallic particles. Surface and Coatings Technology, 2013, 236, 274-283.	4.8	17
31	3D printed anti-icing and de-icing system based on CNT/GNP doped epoxy composites with self-curing and structural health monitoring capabilities. Smart Materials and Structures, 2021, 30, 025016.	3.5	16
32	Application of DOE and ANOVA in Optimization of HVOF Spraying Parameters in the Development of New Ti Coatings. Journal of Thermal Spray Technology, 2020, 29, 384-399.	3.1	15
33	Use of carbon nanotubes for strain and damage sensing of epoxy-based composites. International Journal of Smart and Nano Materials, 2012, 3, 152-161.	4.2	14
34	Effect of filtration in functionalized and non-functionalized CNTs and surface modification of fibers as an effective alternative approach. Composites Part B: Engineering, 2016, 94, 286-291.	12.0	13
35	Heat dissipation on electrical conductor composites by combination of carbon nanotubes and graphene nanoplatelets. Journal of Coatings Technology Research, 2019, 16, 491-498.	2.5	13
36	The role of graphene interactions and geometry on thermal and electrical properties of epoxy nanocomposites: A theoretical to experimental approach. Polymer Testing, 2020, 90, 106638.	4.8	12

#	Article	IF	Citations
37	Complex Geometry Strain Sensors Based on 3D Printed Nanocomposites: Spring, Three-Column Device and Footstep-Sensing Platform. Nanomaterials, 2021, 11, 1106.	4.1	12
38	The functionalization of carbon nanofibers with 4,4â€²-diaminodiphenylmethane, a curing agent for epoxy resins. Journal of Materials Research, 2009, 24, 1435-1445.	2.6	11
39	New Manufacturing Process of Composites Reinforced with ZnO Nanoparticles Recycled from Alkaline Batteries. Polymers, 2020, 12, 1619.	4.5	10
40	Tribological Properties of Different Types of Graphene Nanoplatelets as Additives for the Epoxy Resin. Applied Sciences (Switzerland), 2020, 10, 4363.	2.5	9
41	Electrical Properties and Strain Sensing Mechanisms in Hybrid Graphene Nanoplatelet/Carbon Nanotube Nanocomposites. Sensors, 2021, 21, 5530.	3.8	9
42	Oxy-Acetylene Flame Thermal Spray of Al/SiCp Composites with High Fraction of Reinforcements. Journal of Thermal Spray Technology, 2009, 18, 642-651.	3.1	8
43	Barrier properties of thermal and electrical conductive hydrophobic multigraphitic/epoxy coatings. Journal of Applied Polymer Science, 2020, 137, 49281.	2.6	8
44	4D-Printed Resins and Nanocomposites Thermally Stimulated by Conventional Heating and IR Radiation. ACS Applied Polymer Materials, 2021, 3, 5207-5215.	4.4	8
45	Wear behaviour of coatings of aluminium matrix composites fabricated by thermal spray method. Revista De Metalurgia, 2007, 43, .	0.5	8
46	Effect of Reinforcement Coating on Corrosion Behavior of AA6061/SiC/20p Composite in High Relative Humidity Environments. Corrosion, 2004, 60, 945-953.	1.1	7
47	Optimum Dispersion Technique of Carbon Nanotubes in Epoxy Resin as a Function of the Desired Behaviour. Journal of Nano Research, 0, 26, 177-186.	0.8	5
48	Assessment of Manufacturing Parameters for New 3D-Printed Heating Circuits Based on CNT-Doped Nanocomposites Processed by UV-Assisted Direct Write. Applied Sciences (Switzerland), 2021, 11, 7534.	2.5	4
49	DeterminaciÃ³n mediante nanoindentaciÃ³n de las propiedades mecÃ¡nicas de la interfaz en materiales compuestos de aluminio reforzados con partÃculas de SiC recubiertas de sÃlice. Boletin De La Sociedad Espanola De Ceramica Y Vidrio, 2005, 44, 270-277.	1.9	3
50	Strain Sensing Based on Multiscale Composite Materials Reinforced with Graphene Nanoplatelets. Journal of Visualized Experiments, 2016, , .	0.3	2
51	Estudio de la protecciÃ³n del refuerzo de partÃculas de SiC mediante barreras activas por sol-gel en materiales compuestos de matriz de aluminio. Boletin De La Sociedad Espanola De Ceramica Y Vidrio, 2004, 43, 397-400.	1.9	2
52	Epoxy Composites Reinforced with ZnO from Waste Alkaline Batteries. Materials, 2022, 15, 2842.	2.9	1