

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	Epoxy Composites Reinforced with ZnO from Waste Alkaline Batteries. <i>Materials</i> , 2022, 15, 2842.	2.9	1
2	3D printed anti-icing and de-icing system based on CNT/GNP doped epoxy composites with self-curing and structural health monitoring capabilities. <i>Smart Materials and Structures</i> , 2021, 30, 025016.	3.5	16
3	Complex Geometry Strain Sensors Based on 3D Printed Nanocomposites: Spring, Three-Column Device and Footstep-Sensing Platform. <i>Nanomaterials</i> , 2021, 11, 1106.	4.1	12
4	Electrical Properties and Strain Sensing Mechanisms in Hybrid Graphene Nanoplatelet/Carbon Nanotube Nanocomposites. <i>Sensors</i> , 2021, 21, 5530.	3.8	9
5	Assessment of Manufacturing Parameters for New 3D-Printed Heating Circuits Based on CNT-Doped Nanocomposites Processed by UV-Assisted Direct Write. <i>Applied Sciences (Switzerland)</i> , 2021, 11, 7534.	2.5	4
6	4D-Printed Resins and Nanocomposites Thermally Stimulated by Conventional Heating and IR Radiation. <i>ACS Applied Polymer Materials</i> , 2021, 3, 5207-5215.	4.4	8
7	DLP 4D Printing of Remotely, Modularly, and Selectively Controllable Shape Memory Polymer Nanocomposites Embedding Carbon Nanotubes. <i>Advanced Functional Materials</i> , 2021, 31, 2106774.	14.9	56
8	Tribological Properties of Different Types of Graphene Nanoplatelets as Additives for the Epoxy Resin. <i>Applied Sciences (Switzerland)</i> , 2020, 10, 4363.	2.5	9
9	3D printed epoxy-CNTs/GNPs conductive inks with application in anti-icing and de-icing systems. <i>European Polymer Journal</i> , 2020, 141, 110090.	5.4	22
10	New Manufacturing Process of Composites Reinforced with ZnO Nanoparticles Recycled from Alkaline Batteries. <i>Polymers</i> , 2020, 12, 1619.	4.5	10
11	Highly Multifunctional GNP/Epoxy Nanocomposites: From Strain-Sensing to Joule Heating Applications. <i>Nanomaterials</i> , 2020, 10, 2431.	4.1	20
12	The role of graphene interactions and geometry on thermal and electrical properties of epoxy nanocomposites: A theoretical to experimental approach. <i>Polymer Testing</i> , 2020, 90, 106638.	4.8	12
13	Application of DOE and ANOVA in Optimization of HVOF Spraying Parameters in the Development of New Ti Coatings. <i>Journal of Thermal Spray Technology</i> , 2020, 29, 384-399.	3.1	15
14	Barrier properties of thermal and electrical conductive hydrophobic multigraphitic/epoxy coatings. <i>Journal of Applied Polymer Science</i> , 2020, 137, 49281.	2.6	8
15	Mechanical and Strain-Sensing Capabilities of Carbon Nanotube Reinforced Composites by Digital Light Processing 3D Printing Technology. <i>Polymers</i> , 2020, 12, 975.	4.5	41
16	Heat dissipation on electrical conductor composites by combination of carbon nanotubes and graphene nanoplatelets. <i>Journal of Coatings Technology Research</i> , 2019, 16, 491-498.	2.5	13
17	Anti-icing and de-icing coatings based Joule's heating of graphene nanoplatelets. <i>Composites Science and Technology</i> , 2018, 164, 65-73.	7.8	80
18	Effect of filtration in functionalized and non-functionalized CNTs and surface modification of fibers as an effective alternative approach. <i>Composites Part B: Engineering</i> , 2016, 94, 286-291.	12.0	13

#	ARTICLE	IF	CITATIONS
19	Strain Sensing Based on Multiscale Composite Materials Reinforced with Graphene Nanoplatelets. <i>Journal of Visualized Experiments</i> , 2016, , .	0.3	2
20	Al/SiCp and Al ₁₁ Si/SiCp coatings on AZ91 magnesium alloy by HVOF. <i>Surface and Coatings Technology</i> , 2015, 261, 130-140.	4.8	27
21	Effect of type, percentage and dispersion method of multi-walled carbon nanotubes on tribological properties of epoxy composites. <i>Wear</i> , 2015, 324-325, 100-108.	3.1	42
22	Oxy-acetylene flame thermal sprayed coatings of aluminium matrix composites reinforced with MoSi ₂ intermetallic particles. <i>Surface and Coatings Technology</i> , 2013, 236, 274-283.	4.8	17
23	The influence of mechanical dispersion of MWCNT in epoxy matrix by calendaring method: Batch method versus time controlled. <i>Composites Part B: Engineering</i> , 2013, 48, 88-94.	12.0	34
24	Effect of the carbon nanotube functionalization on flexural properties of multiscale carbon fiber/epoxy composites manufactured by VARIM. <i>Composites Part B: Engineering</i> , 2013, 45, 1613-1619.	12.0	139
25	Use of carbon nanotubes for strain and damage sensing of epoxy-based composites. <i>International Journal of Smart and Nano Materials</i> , 2012, 3, 152-161.	4.2	14
26	Influence of the functionalization of carbon nanotubes on calendaring dispersion effectiveness in a low viscosity resin for VARIM processes. <i>Composites Part B: Engineering</i> , 2012, 43, 3482-3490.	12.0	36
27	Dispersion of carbon nanofibres in a low viscosity resin by calendaring process to manufacture multiscale composites by VARIM. <i>Composites Part B: Engineering</i> , 2012, 43, 3104-3113.	12.0	22
28	Characterization of carbon nanofiber/epoxy nanocomposites by the nanoindentation technique. <i>Composites Part B: Engineering</i> , 2011, 42, 638-644.	12.0	62
29	Wear behaviour of thermal spray Al/SiCp coatings. <i>Wear</i> , 2010, 268, 828-836.	3.1	40
30	Corrosion behaviour of thermally sprayed Al and Al/SiCp composite coatings on ZE41 magnesium alloy in chloride medium. <i>Corrosion Science</i> , 2010, 52, 761-768.	6.6	54
31	The functionalization of carbon nanofibers with 4,4'-diaminodiphenylmethane, a curing agent for epoxy resins. <i>Journal of Materials Research</i> , 2009, 24, 1435-1445.	2.6	11
32	Properties and microstructure of Al ₁₁ Si/SiCp composite coatings fabricated by thermal spray. <i>Surface and Coatings Technology</i> , 2009, 203, 1947-1955.	4.8	24
33	Thermo-physical characterisation of epoxy resin reinforced by amino-functionalized carbon nanofibers. <i>Composites Science and Technology</i> , 2009, 69, 349-357.	7.8	101
34	Oxy-Acetylene Flame Thermal Spray of Al/SiCp Composites with High Fraction of Reinforcements. <i>Journal of Thermal Spray Technology</i> , 2009, 18, 642-651.	3.1	8
35	Corrosion resistance of thermally sprayed Al and Al/SiC coatings on Mg. <i>Surface and Coatings Technology</i> , 2009, 203, 3224-3230.	4.8	106
36	Effect of reinforcement coatings on the dry sliding wear behaviour of aluminium/SiC particles/carbon fibres hybrid composites. <i>Wear</i> , 2009, 266, 1128-1136.	3.1	66

#	ARTICLE	IF	CITATIONS
37	Microstructure and wear resistance of Al-SiC composites coatings on ZE41 magnesium alloy. Applied Surface Science, 2009, 255, 9174-9181.	6.1	58
38	Morphology Development in Thermosetting Mixtures through the Variation on Chemical Functionalization Degree of Poly(styrene-butadiene) Diblock Copolymer Modifiers. Thermomechanical Properties. Macromolecules, 2009, 42, 6215-6224.	4.8	79
39	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
40	Al/SiC composite coatings of steels by thermal spraying. Materials Letters, 2008, 62, 2114-2117.	2.6	21
41	Surface modification of carbon nanofibers with platinum nanoparticles using a hexagonal barrel-sputtering system. Materials Letters, 2008, 62, 2118-2121.	2.6	19
42	Thermal spray coatings of highly reinforced aluminium matrix composites with sol-gel silica coated SiC particles. Surface and Coatings Technology, 2007, 201, 7552-7559.	4.8	29
43	Wear behaviour of coatings of aluminium matrix composites fabricated by thermal spray method. Revista De Metalurgia, 2007, 43, .	0.5	8
44	Dual layer silica coatings of SiC particle reinforcements in aluminium matrix composites. Surface and Coatings Technology, 2006, 200, 4017-4026.	4.8	17
45	Effect of silica coatings on interfacial mechanical properties in aluminium-SiC composites characterized by nanoindentation. Scripta Materialia, 2005, 52, 977-982.	5.2	45
46	Effect of Reinforcement Coating on the Oxidation Behavior of AA6061/SiC/20p Composite. Oxidation of Metals, 2005, 63, 215-227.	2.1	28
47	Determinación mediante nanoindentación de las propiedades mecánicas de la interfaz en materiales compuestos de aluminio reforzados con partículas de SiC recubiertas de sílice. Boletín De La Sociedad Española De Cerámica Y Vidrio, 2005, 44, 270-277.	1.9	3
48	Sol-gel coatings to improve processing of aluminium matrix SiC reinforced composite materials. Journal of Materials Research, 2004, 19, 2109-2116.	2.6	20
49	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
50	Sol-Gel Coatings as Active Barriers to Protect Ceramic Reinforcement in Aluminum Matrix Composites. Advanced Engineering Materials, 2004, 6, 57-61.	3.5	19
51	Estudio de la protección del refuerzo de partículas de SiC mediante barreras activas por sol-gel en materiales compuestos de matriz de aluminio. Boletín De La Sociedad Española De Cerámica Y Vidrio, 2004, 43, 397-400.	1.9	2
52	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