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List of Publications by Year in descending order

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Version: 2024-02-01

25
papers

382
citations

687363

13
h-index

794594

19
g-index

25
all docs

25
docs citations

25
times ranked

324
citing authors

#	ARTICLE	IF	CITATIONS
1	Environmental Impacts of Aqueous Zinc Ion Batteries Based on Life Cycle Assessment. <i>Advanced Sustainable Systems</i> , 2022, 6, 2100308.	5.3	27
2	Ecodesign coupled with Life Cycle Assessment to reduce the environmental impacts of an industrial enzymatic cleaner. <i>Sustainable Production and Consumption</i> , 2022, 29, 718-729.	11.0	22
3	Environmental Impact Assessment of Na ₃ V ₂ (PO ₄) ₃ Cathode Production for Sodium-Ion Batteries. <i>Advanced Energy and Sustainability Research</i> , 2022, 3, .	5.8	14
4	Quantitative electron tomography of polylactic acid/clay nanocomposites for better comprehension of processingâ€‘microstructureâ€‘elastic modulus. <i>Polymers and Polymer Composites</i> , 2021, 29, 724-732.	1.9	1
5	Environmental Impact Analysis of Aprotic Li-O ₂ Batteries Based on Life Cycle Assessment. <i>ACS Sustainable Chemistry and Engineering</i> , 2021, 9, 7139-7153.	6.7	27
6	Environmental Impacts of Graphite Recycling from Spent Lithium-Ion Batteries Based on Life Cycle Assessment. <i>ACS Sustainable Chemistry and Engineering</i> , 2021, 9, 14488-14501.	6.7	60
7	Use of support vector machines, neural networks and genetic algorithms to characterize rubber blends by means of the classification of the carbon black particles used as reinforcing agent. <i>Soft Computing</i> , 2019, 23, 6115-6124.	3.6	11
8	The Effect of the Preparation Method and the Dispersion and Aspect Ratio of CNTs on the Mechanical and Electrical Properties of Bio-Based Polyamide-4,10/CNT Nanocomposites. <i>Polymers</i> , 2019, 11, 2059.	4.5	30
9	Semi-automated quantification of the microstructure of PLA/clay nanocomposites to improve the prediction of the elastic modulus. <i>Polymer Testing</i> , 2018, 66, 280-291.	4.8	11
10	Influence of Cryogenic Treatment on Wear Resistance and Microstructure of AISI A8 Tool Steel. <i>Metals</i> , 2018, 8, 1038.	2.3	13
11	Morphological classification of reinforcing nanoparticle aggregates: comparison between visual expert decision and machine learning techniques. , 2018, , .		0
12	A methodology for finding the optimal iteration number of the SIRT algorithm for quantitative Electron Tomography. <i>Ultramicroscopy</i> , 2017, 173, 36-46.	1.9	8
13	Quantitative electron tomography of PLA/clay nanocomposites to understand the effect of the clays in the thermal stability. <i>Journal of Applied Polymer Science</i> , 2017, 134, .	2.6	8
14	Toward the minimization of fluorescence loss in hybrid cross-linked core-shell PS/QD/PMMA nanoparticles: Effect of the shell thickness. <i>Chemical Engineering Journal</i> , 2017, 313, 261-269.	12.7	15
15	A parameter for the assessment of the segmentation of TEM tomography reconstructed volumes based on mutual information. <i>Micron</i> , 2017, 103, 64-77.	2.2	4
16	Methodology to classify the shape of reinforcement fillers: optimization, evaluation, comparison, and selection of models. <i>Journal of Materials Science</i> , 2017, 52, 569-580.	3.7	18
17	Tensile strength prediction of rubber blends using linear regression techniques. , 2017, , .		0
18	Evolution of particle morphology during the synthesis of hybrid acrylic/CeO ₂ nanocomposites by miniemulsion polymerization. <i>Journal of Polymer Science Part A</i> , 2015, 53, 792-799.	2.3	14

#	ARTICLE	IF	CITATIONS
19	Film forming hybrid acrylic/ZnO latexes with excellent UV absorption capacity. Chemical Engineering Journal, 2015, 270, 300-308.	12.7	22
20	Influence of the processing parameters and composition on the thermal stability of PLA/nanoclay bio-nanocomposites. Journal of Applied Polymer Science, 2014, 131, .	2.6	19
21	Use of decision tree models based on evolutionary algorithms for the morphological classification of reinforcing nano-particle aggregates. Computational Materials Science, 2014, 92, 102-113.	3.0	34
22	High Solids Content Hybrid Acrylic/CeO ₂ Latexes with Encapsulated Morphology Assessed by 3D-TEM. Macromolecular Chemistry and Physics, 2013, 214, 2157-2164.	2.2	17
23	Investigation on flame retardancy and rheological and thermomechanical characterisation of multiwall carbon nanotube reinforced nanocomposites. Plastics, Rubber and Composites, 2011, 40, 133-138.	2.0	3
24	Modeling of the Mechanical Properties of Carbon-Black Reinforced Rubber Blends by Machine Learning Techniques. Applied Mechanics and Materials, 0, 627, 97-100.	0.2	3
25	Mechanical Behavior of PLA/Clay Reinforced Nanocomposite Material Using FE Simulations: Comparison of an Idealized Volume against the Real Electron Tomography Volume. Advanced Materials Research, 0, 1139, 20-24.	0.3	1