

Sotirios A Grammatikos

List of Publications by Year in descending order

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Version: 2024-02-01

41
papers

1,081
citations

361413

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414414

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all docs

41
docs citations

41
times ranked

747
citing authors

#	ARTICLE	IF	CITATIONS
1	Mechanical reinforcement course of 3D printed polypropylene-antimony doped Tin Oxide nanocomposites versus filler loading. <i>Advanced Composite Materials</i> , 2022, 31, 235-256.	1.9	17
2	Synthesis of Bio-based monomers and polymers using microbes for a sustainable bioeconomy. <i>Bioresource Technology</i> , 2022, 344, 126156.	9.6	44
3	Development and Optimization of Medical-Grade Multi-Functional Polyamide 12-Cuprous Oxide Nanocomposites with Superior Mechanical and Antibacterial Properties for Cost-Effective 3D Printing. <i>Nanomaterials</i> , 2022, 12, 534.	4.1	17
4	High Performance Polycarbonate Nanocomposites Mechanically Boosted with Titanium Carbide in Material Extrusion Additive Manufacturing. <i>Nanomaterials</i> , 2022, 12, 1068.	4.1	17
5	Fused Filament Fabrication 3D printed polypropylene/ alumina nanocomposites: Effect of filler loading on the mechanical reinforcement. <i>Polymer Testing</i> , 2022, 109, 107545.	4.8	34
6	Recent developments in microbial degradation of polypropylene: Integrated approaches towards a sustainable environment. <i>Science of the Total Environment</i> , 2022, 826, 154056.	8.0	24
7	Life cycle assessment of plant fibers and their composites. , 2022, , 457-484.		2
8	Multi-functional polyamide 12 (PA12)/ multiwall carbon nanotube 3D printed nanocomposites with enhanced mechanical and electrical properties. <i>Advanced Composite Materials</i> , 2022, 31, 630-654.	1.9	24
9	On the thermal and mechanical performance of Polycarbonate / Titanium Nitride nanocomposites in material extrusion additive manufacturing. <i>Composites Part C: Open Access</i> , 2022, 8, 100291.	3.2	10
10	On the use of wood charcoal filler to improve the properties of natural fiber reinforced polymer composites. <i>Materials Today: Proceedings</i> , 2021, 44, 926-929.	1.8	22
11	Sustainable Additive Manufacturing: Mechanical Response of Polyethylene Terephthalate Glycol over Multiple Recycling Processes. <i>Materials</i> , 2021, 14, 1162.	2.9	31
12	Enhanced Mechanical, Thermal and Antimicrobial Properties of Additively Manufactured Polylactic Acid with Optimized Nano Silica Content. <i>Nanomaterials</i> , 2021, 11, 1012.	4.1	43
13	Polyamide 12/Multiwalled Carbon Nanotube and Carbon Black Nanocomposites Manufactured by 3D Printing Fused Filament Fabrication: A Comparison of the Electrical, Thermoelectric, and Mechanical Properties. <i>Journal of Carbon Research</i> , 2021, 7, 38.	2.7	18
14	Optimization of the Filler Concentration on Fused Filament Fabrication 3D Printed Polypropylene with Titanium Dioxide Nanocomposites. <i>Materials</i> , 2021, 14, 3076.	2.9	37
15	On the Mechanical Response of Silicon Dioxide Nanofiller Concentration on Fused Filament Fabrication 3D Printed Isotactic Polypropylene Nanocomposites. <i>Polymers</i> , 2021, 13, 2029.	4.5	23
16	Fused Filament Fabrication Three-Dimensional Printing Multi-Functional of Polylactic Acid/Carbon Black Nanocomposites. <i>Journal of Carbon Research</i> , 2021, 7, 52.	2.7	17
17	Determination of specific heat capacity of bio-fibre earth mortars stabilised at different relative humidities using Differential Scanning Calorimetry. <i>Journal of Building Engineering</i> , 2021, 41, 102738.	3.4	2
18	Effect of stacking sequence on the performance of hybrid natural/synthetic fiber reinforced polymer composite laminates. <i>Composite Structures</i> , 2021, 276, 114525.	5.8	66

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19	Analysis of dynamic moisture movement within bio-based earth mortars. <i>Construction and Building Materials</i> , 2021, 306, 124862.	7.2	4
20	Additive manufacturing of multifunctional polylactic acid (PLA) multiwalled carbon nanotubes (MWCNTs) nanocomposites. <i>Nanocomposites</i> , 2021, 7, 184-199.	4.2	40
21	Physicochemical characterisation of bio-based insulation to explain their hygrothermal behaviour. <i>Construction and Building Materials</i> , 2020, 258, 120163.	7.2	4
22	3D Printed Thermoelectric Polyurethane/Multiwalled Carbon Nanotube Nanocomposites: A Novel Approach towards the Fabrication of Flexible and Stretchable Organic Thermoelectrics. <i>Materials</i> , 2020, 13, 2879.	2.9	59
23	Is Hygrothermal Aging of Construction Polymer Composites a Reversible Process?. <i>IOP Conference Series: Materials Science and Engineering</i> , 2020, 842, 012004.	0.6	1
24	Three-Dimensional (3D) Conductive Network of CNT-Modified Short Jute Fiber-Reinforced Natural Rubber: Hierarchical CNT-Enabled Thermoelectric and Electrically Conductive Composite Interfaces. <i>Materials</i> , 2020, 13, 2668.	2.9	13
25	Permeable Nanomontmorillonite and Fibre Reinforced Cementitious Binders. <i>Materials</i> , 2019, 12, 3245.	2.9	11
26	Dynamic behaviour of bio-based and recycled materials for indoor environmental comfort. <i>Construction and Building Materials</i> , 2019, 211, 730-743.	7.2	27
27	Comparative Life Cycle Assessment of Cotton and Other Natural Fibers for Textile Applications. <i>Fibers</i> , 2019, 7, 101.	4.0	49
28	Bio-fibre earth composite mortar: A structural and hygrothermal assessment. , 2019, , .		1
29	On the fatigue response of a bonded repaired aerospace composite using thermography. <i>Composite Structures</i> , 2018, 188, 461-469.	5.8	23
30	Thermal properties of asphalt concrete: A numerical and experimental study. <i>Construction and Building Materials</i> , 2018, 158, 774-785.	7.2	72
31	Impedance spectroscopy as a tool for moisture uptake monitoring in construction composites during service. <i>Composites Part A: Applied Science and Manufacturing</i> , 2018, 105, 108-117.	7.6	22
32	Pore-structure and microstructural investigation of organomodified/inorganic nano-montmorillonite cementitious nanocomposites. <i>AIP Conference Proceedings</i> , 2018, , .	0.4	6
33	Thermal cycling effects on the durability of a pultruded GFRP material for off-shore civil engineering structures. <i>Composite Structures</i> , 2016, 153, 297-310.	5.8	54
34	On the response to hygrothermal aging of pultruded FRPs used in the civil engineering sector. <i>Materials and Design</i> , 2016, 96, 283-295.	7.0	85
35	Moisture uptake characteristics of a pultruded fibre reinforced polymer flat sheet subjected to hot/wet aging. <i>Polymer Degradation and Stability</i> , 2015, 121, 407-419.	5.8	65
36	Continuous debonding monitoring of a patch repaired helicopter stabilizer: Damage assessment and analysis. <i>Composite Structures</i> , 2015, 127, 231-244.	5.8	30

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37	Real-Time Debonding Monitoring of Composite Repaired Materials via Electrical, Acoustic, and Thermographic Methods. Journal of Materials Engineering and Performance, 2014, 23, 169-180.	2.5	20
38	Carbon nanotube growth on high modulus carbon fibres: Morphological and interfacial characterization. Surface and Interface Analysis, 2013, 45, 1372-1381.	1.8	29
39	Continuous Monitoring of Setting and Hardening of Epoxy Resin. , 2013, , 491-496.		0
40	Innovative non-destructive evaluation and damage characterisation of composite aerostructures using thermography. Plastics, Rubber and Composites, 2011, 40, 342-348.	2.0	15
41	Repair integrity monitoring of composite aerostructures using thermographic imaging. Proceedings of SPIE, 2010, , .	0.8	3