Sotirios A Grammatikos

List of Publications by Year
in descending order

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41 papers	1,081 citations	361413 20 h-index	414414 32 g-index
41 all docs	41 docs citations	41 times ranked	747 citing authors

#	Article	IF	Citations
1	On the response to hygrothermal aging of pultruded FRPs used in the civil engineering sector. Materials and Design, 2016, 96, 283-295.	7.0	85
2	Thermal properties of asphalt concrete: A numerical and experimental study. Construction and Building Materials, 2018, 158, 774-785.	7.2	72
3	Effect of stacking sequence on the performance of hybrid natural/synthetic fiber reinforced polymer composite laminates. Composite Structures, 2021, 276, 114525.	5.8	66
4	Moisture uptake characteristics of a pultruded fibre reinforced polymer flat sheet subjected to hot/wet aging. Polymer Degradation and Stability, 2015, 121, 407-419.	5.8	65
5	3D Printed Thermoelectric Polyurethane/Multiwalled Carbon Nanotube Nanocomposites: A Novel Approach towards the Fabrication of Flexible and Stretchable Organic Thermoelectrics. Materials, 2020, 13, 2879.	2.9	59
6	Thermal cycling effects on the durability of a pultruded GFRP material for off-shore civil engineering structures. Composite Structures, 2016, 153, 297-310.	5.8	54
7	Comparative Life Cycle Assessment of Cotton and Other Natural Fibers for Textile Applications. Fibers, 2019, 7, 101.	4.0	49
8	Synthesis of Bio-based monomers and polymers using microbes for a sustainable bioeconomy. Bioresource Technology, 2022, 344, 126156.	9.6	44
9	Enhanced Mechanical, Thermal and Antimicrobial Properties of Additively Manufactured Polylactic Acid with Optimized Nano Silica Content. Nanomaterials, 2021, 11, 1012.	4.1	43
10	Additive manufacturing of multifunctional polylactic acid (PLA)â€”multiwalled carbon nanotubes (MWCNTs) nanocomposites. Nanocomposites, 2021, 7, 184-199.	4.2	40
11	Optimization of the Filler Concentration on Fused Filament Fabrication 3D Printed Polypropylene with Titanium Dioxide Nanocomposites. Materials, 2021, 14, 3076.	2.9	37
12	Fused Filament Fabrication 3D printed polypropylene/ alumina nanocomposites: Effect of filler loading on the mechanical reinforcement. Polymer Testing, 2022, 109, 107545.	4.8	34
13	Sustainable Additive Manufacturing: Mechanical Response of Polyethylene Terephthalate Glycol over Multiple Recycling Processes. Materials, 2021, 14, 1162.	2.9	31
14	Continuous debonding monitoring of a patch repaired helicopter stabilizer: Damage assessment and analysis. Composite Structures, 2015, 127, 231-244.	5.8	30
15	Carbon nanotube growth on high modulus carbon fibres: Morphological and interfacial characterization. Surface and Interface Analysis, 2013, 45, 1372-1381.	1.8	29
16	Dynamic behaviour of bio-based and recycled materials for indoor environmental comfort. Construction and Building Materials, 2019, 211, 730-743.	7.2	27
17	Recent developments in microbial degradation of polypropylene: Integrated approaches towards a sustainable environment. Science of the Total Environment, 2022, 826, 154056.	8.0	24
18	Multi-functional polyamide 12 (PA12)/ multiwall carbon nanotube 3D printed nanocomposites with enhanced mechanical and electrical properties. Advanced Composite Materials, 2022, 31, 630-654.	1.9	24

#	Article	IF	Citations
19	On the fatigue response of a bonded repaired aerospace composite using thermography. Composite Structures, 2018, 188, 461-469.	5.8	23
20	On the Mechanical Response of Silicon Dioxide Nanofiller Concentration on Fused Filament Fabrication 3D Printed Isotactic Polypropylene Nanocomposites. Polymers, 2021, 13, 2029.	4.5	23
21	Impedance spectroscopy as a tool for moisture uptake monitoring in construction composites during service. Composites Part A: Applied Science and Manufacturing, 2018, 105, 108-117.	7.6	22
22	On the use of wood charcoal filler to improve the properties of natural fiber reinforced polymer composites. Materials Today: Proceedings, 2021, 44, 926-929.	1.8	22
23	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
24	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. Journal of Carbon Research, 2021, 7, 38.	2.7	18
25	Fused Filament Fabrication Three-Dimensional Printing Multi-Functional of Polylactic Acid/Carbon Black Nanocomposites. Journal of Carbon Research, 2021, 7, 52.	2.7	17
26	Mechanical reinforcement course of 3D printed polypropyleneâ€“antimony doped Tin Oxide nanocomposites versus filler loading. Advanced Composite Materials, 2022, 31, 235-256.	1.9	17
27	Development and Optimization of Medical-Grade Multi-Functional Polyamide 12-Cuprous Oxide Nanocomposites with Superior Mechanical and Antibacterial Properties for Cost-Effective 3D Printing. Nanomaterials, 2022, 12, 534.	4.1	17
28	High Performance Polycarbonate Nanocomposites Mechanically Boosted with Titanium Carbide in Material Extrusion Additive Manufacturing. Nanomaterials, 2022, 12, 1068.	4.1	17
29	Innovative non-destructive evaluation and damage characterisation of composite aerostructures using thermography. Plastics, Rubber and Composites, 2011, 40, 342-348.	2.0	15
30	Three-Dimensional (3D) Conductive Network of CNT-Modified Short Jute Fiber-Reinforced Natural Rubber: Hierarchical CNT-Enabled Thermoelectric and Electrically Conductive Composite Interfaces. Materials, 2020, 13, 2668.	2.9	13
31	Permeable Nanomontmorillonite and Fibre Reinforced Cementitious Binders. Materials, 2019, 12, 3245.	2.9	11
32	On the thermal and mechanical performance of Polycarbonate / Titanium Nitride nanocomposites in material extrusion additive manufacturing. Composites Part C: Open Access, 2022, 8, 100291.	3.2	10
33	Pore-structure and microstructural investigation of organomodified/Inorganic nano-montmorillonite cementitious nanocomposites. AIP Conference Proceedings, 2018, , .	0.4	6
34	Physicochemical characterisation of bio-based insulation to explain their hygrothermal behaviour. Construction and Building Materials, 2020, 258, 120163.	7.2	4
35	Analysis of dynamic moisture movement within bio-based earth mortars. Construction and Building Materials, 2021, 306, 124862.	7.2	4
36	Repair integrity monitoring of composite aerostructures using thermographic imaging. Proceedings of SPIE, 2010, , .	0.8	3

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37	Determination of specific heat capacity of bio-fibre earth mortars stabilised at different relative humidities using Differential Scanning Calorimetry. Journal of Building Engineering, 2021, 41, 102738.	3.4	2
38	Life cycle assessment of plant fibers and their composites. , 2022, , 457-484.		2
39	Is Hygrothermal Aging of Construction Polymer Composites a Reversible Process?. IOP Conference Series: Materials Science and Engineering, 2020, 842, 012004.	0.6	1
40	Bio-fibre earth composite mortar: A structural and hygrothermal assessment. , 2019, , .		1
41	Continuous Monitoring of Setting and Hardening of Epoxy Resin. , 2013, , 491-496.		0