

Panagiotis G Karagiannidis

List of Publications by Year in descending order

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38
papers

1,373
citations

430874

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330143

37
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38
all docs

38
docs citations

38
times ranked

2537
citing authors

#	ARTICLE	IF	CITATIONS
1	Microfluidization of Graphite and Formulation of Graphene-Based Conductive Inks. ACS Nano, 2017, 11, 2742-2755.	14.6	257
2	Plasmonic silver nanoparticles for improved organic solar cells. Solar Energy Materials and Solar Cells, 2012, 104, 165-174.	6.2	195
3	Evolution of vertical phase separation in P3HT:PCBM thin films induced by thermal annealing. Materials Chemistry and Physics, 2011, 129, 1207-1213.	4.0	103
4	Terahertz saturable absorbers from liquid phase exfoliation of graphite. Nature Communications, 2017, 8, 15763.	12.8	93
5	Study of crystallinity and thermomechanical analysis of annealed poly(ethylene terephthalate) films. European Polymer Journal, 2008, 44, 1475-1486.	5.4	77
6	Thermal annealing effect on the nanomechanical properties and structure of P3HT:PCBM thin films. Thin Solid Films, 2011, 519, 4105-4109.	1.8	57
7	Bioelectronics meets nanomedicine for cardiovascular implants: PEDOT-based nanocoatings for tissue regeneration. Biochimica Et Biophysica Acta - General Subjects, 2013, 1830, 4294-4304.	2.4	55
8	Effect of process parameters on the morphology and nanostructure of roll-to-roll printed P3HT:PCBM thin films for organic photovoltaics. Solar Energy Materials and Solar Cells, 2013, 112, 36-46.	6.2	51
9	Highly filled graphite/graphene/carbon nanotube in polybenzoxazine composites for bipolar plate in PEMFC. International Journal of Hydrogen Energy, 2020, 45, 30898-30910.	7.1	46
10	Effects of buffer layer properties and annealing process on bulk heterojunction morphology and organic solar cell performance. Journal of Materials Chemistry, 2012, 22, 14624.	6.7	42
11	Picosecond laser patterning of PEDOT:PSS thin films. Synthetic Metals, 2011, 161, 431-439.	3.9	37
12	Effect of sintering techniques on microstructural, mechanical and tribological properties of Al-SiC composites. Surfaces and Interfaces, 2020, 20, 100598.	3.0	31
13	Novel nanostructured biomaterials: implications for coronary stent thrombosis. International Journal of Nanomedicine, 2012, 7, 6063.	6.7	29
14	Development of a nanoporous and multilayer drug-delivery platform for medical implants. International Journal of Nanomedicine, 2012, 7, 5327.	6.7	28
15	Substrate treatment and drying conditions effect on the properties of roll-to-roll gravure printed PEDOT:PSS thin films. Materials Science and Engineering B: Solid-State Materials for Advanced Technology, 2011, 176, 1556-1561.	3.5	27
16	Optical investigations of the effect of solvent and thermal annealing on the optoelectronic properties of Poly(3,4-ethylenedioxythiophene):poly(styrenesulfonate) films. Thin Solid Films, 2013, 541, 102-106.	1.8	27
17	High performance transistors based on the controlled growth of triisopropylsilylethynyl-pentacene crystals via non-isotropic solvent evaporation. RSC Advances, 2014, 4, 20804-20813.	3.6	26
18	Additive manufacturing of recycled plastics: Strategies towards a more sustainable future. Journal of Cleaner Production, 2022, 335, 130236.	9.3	25

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19	3-Phase hierarchical graphene-based epoxy nanocomposite laminates for automotive applications. <i>Journal of Materials Science and Technology</i> , 2019, 35, 2169-2177.	10.7	19
20	Effects of chemical structure and morphology of graphene-related materials (GRMs) on melt processing and properties of GRM/polyamide-6 nanocomposites. <i>Results in Materials</i> , 2020, 7, 100105.	1.8	18
21	Development of new graphene/epoxy nanocomposites and study of cure kinetics, thermal and mechanical properties. <i>Thermochemica Acta</i> , 2020, 694, 178785.	2.7	16
22	Performance of hybrid buffer Poly(3,4-ethylenedioxythiophene) poly(styrenesulfonate) layers doped with plasmonic silver nanoparticles. <i>Thin Solid Films</i> , 2014, 560, 27-33.	1.8	14
23	Screen-printed and spray coated graphene-based RFID transponders. <i>2D Materials</i> , 2020, 7, 015019.	4.4	12
24	Radiation Graft-Copolymerization of Ultrafine Fully Vulcanized Powdered Natural Rubber: Effects of Styrene and Acrylonitrile Contents on Thermal Stability. <i>Polymers</i> , 2021, 13, 3447.	4.5	12
25	Physical Properties of a Hybrid and a Nanohybrid Dental Light-Cured Resin Composite. <i>Journal of Biomaterials Science, Polymer Edition</i> , 2009, 20, 1831-1844.	3.5	10
26	Non-destructive optical characterization of phase separation in bulk heterojunction organic photovoltaic cells. <i>Solar Energy Materials and Solar Cells</i> , 2014, 125, 190-197.	6.2	10
27	Measurements of elastic modulus for human anterior lens capsule with atomic force microscopy: the effect of loading force. <i>International Ophthalmology</i> , 2014, 34, 519-523.	1.4	9
28	Graphene-Based Interconnects for Stable Dye-Sensitized Solar Modules. <i>ACS Applied Energy Materials</i> , 2021, 4, 98-110.	5.1	9
29	Graphene-Based Epoxy/Amine Reinforced with Reduced Graphene Oxide (rGO) or GLYMO-rGO: Study of Curing Kinetics, Mechanical Properties, Lamination and Bonding Performance. <i>Nanomaterials</i> , 2022, 12, 222.	4.1	8
30	Theoretical Considerations and a Mathematical Model for the Analysis of the Biomechanical Response of Human Keratinized Oral Mucosa. <i>Frontiers in Physiology</i> , 2016, 7, 364.	2.8	7
31	Impact of strategic control and supply chain management on recycled plastic additive manufacturing. <i>Journal of Cleaner Production</i> , 2022, 364, 132511.	9.3	6
32	A business model for additive manufacturing of recycled plastics towards sustainability. <i>International Journal of Advanced Manufacturing Technology</i> , 2022, 120, 7997-8011.	3.0	5
33	Electrical properties of LiNbO ₃ (electrolyte)/Cu (anode) bi-layers. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , 2011, 176, 512-514.	3.5	3
34	Evaluation of the functionality of biodegradable polymeric platforms for drug delivery systems. <i>Applied Surface Science</i> , 2013, 281, 54-59.	6.1	3
35	BIOFUNCTIONALIZATION OF PET/SiO ₂ SURFACES FOR SINGLE MOLECULE EXPERIMENTS AND MEDICAL APPLICATIONS. <i>Nano</i> , 2011, 06, 271-277.	1.0	2
36	Development of Lightweight and High-Performance Ballistic Helmet Based on Poly(Benzoxazine-co-Urethane) Matrix Reinforced with Aramid Fabric and Multi-Walled Carbon Nanotubes. <i>Polymers</i> , 2020, 12, 2897.	4.5	2

#	ARTICLE	IF	CITATIONS
37	Graphene Saturable Absorbers at Terahertz Frequency from Liquid Phase Exfoliation of Graphite. , 2018, , .		1
38	Investigation of Metal-based Composites Vibration Properties Using Modal Analysis in Combination with Wavelet Transforms Under Imitation of Operational Loads. Materials and Geoenvironment, 2020, 67, 45-63.	0.2	1