

Eric Dantras

List of Publications by Year in descending order

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78
papers

1,615
citations

257450

24
h-index

345221

36
g-index

79
all docs

79
docs citations

79
times ranked

1737
citing authors

#	ARTICLE	IF	CITATIONS
1	Preparation of aqueous dispersion of thermoplastic sizing agent for carbon fiber by emulsion/solvent evaporation. <i>Applied Surface Science</i> , 2013, 266, 94-99.	6.1	95
2	Silver fillers aspect ratio influence on electrical and thermal conductivity in PEEK/Ag nanocomposites. <i>European Polymer Journal</i> , 2016, 85, 115-125.	5.4	82
3	High-performance thermoplastic composites poly(ether ketone ketone)/silver nanowires: Morphological, mechanical and electrical properties. <i>Journal of Non-Crystalline Solids</i> , 2014, 391, 106-111.	3.1	57
4	Morphology and dynamical mechanical properties of poly ether ketone ketone (<scp>PEKK</scp>) with meta phenyl links. <i>Journal of Applied Polymer Science</i> , 2016, 133, .	2.6	56
5	Specific heat capacity and thermal conductivity of PEEK/Ag nanoparticles composites determined by Modulated-Temperature Differential Scanning Calorimetry. <i>Polymer Degradation and Stability</i> , 2016, 127, 98-104.	5.8	56
6	Influence of hydrogen bonds on glass transition and dielectric relaxations of cellulose. <i>Journal Physics D: Applied Physics</i> , 2011, 44, 045403.	2.8	53
7	Electrical conductivity improvement of aeronautical carbon fiber reinforced polyepoxy composites by insertion of carbon nanotubes. <i>Journal of Non-Crystalline Solids</i> , 2012, 358, 1859-1862.	3.1	53
8	Influence of new thermoplastic sizing agents on the mechanical behavior of poly(ether ketone) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 46	2.6	48
9	Structural and electrical properties of gold nanowires/P(VDF-TrFE) nanocomposites. <i>Journal Physics D: Applied Physics</i> , 2010, 43, 345401.	2.8	40
10	Electrical and Piezoelectric Behavior of Polyamide/PZT/CNT Multifunctional Nanocomposites. <i>Advanced Engineering Materials</i> , 2014, 16, 1018-1025.	3.5	38
11	New Highly Conductive Nickel Nanowire-Filled P(VDF-TrFE) Copolymer Nanocomposites: Elaboration and Structural Study. <i>Journal of Physical Chemistry C</i> , 2009, 113, 12002-12006.	3.1	37
12	Dynamic mechanical behaviour of polyamide 11/Barium titanate ferroelectric composites. <i>Polymer</i> , 2010, 51, 5207-5211.	3.8	36
13	Piezoelectric properties of polyamide 11/NaNbO ₃ nanowire composites. <i>Journal Physics D: Applied Physics</i> , 2012, 45, 415305.	2.8	34
14	Manufacturing of conductive structural composites through spraying of CNTs/epoxy dispersions on dry carbon fiber plies. <i>Composites Part A: Applied Science and Manufacturing</i> , 2017, 100, 40-47.	7.6	34
15	Mechanical improvement of P(VDF-TrFE) /nickel nanowires conductive nanocomposites: Influence of particles aspect ratio. <i>Journal of Non-Crystalline Solids</i> , 2012, 358, 236-240.	3.1	33
16	High electrically conductive composites of Polyamide 11 filled with silver nanowires: Nanocomposites processing, mechanical and electrical analysis. <i>Journal of Non-Crystalline Solids</i> , 2013, 376, 199-204.	3.1	33
17	Percolative silver nanoplates/PVDF nanocomposites: Bulk and surface electrical conduction. <i>Polymer</i> , 2015, 78, 104-110.	3.8	32
18	Molecular mobility interpretation of the dielectric relaxor behavior in fluorinated copolymers and terpolymers. <i>Journal of Non-Crystalline Solids</i> , 2013, 363, 20-25.	3.1	30

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19	Study of dielectric relaxations in cellulose by combined DDS and TSC. Journal of Non-Crystalline Solids, 2007, 353, 4108-4115.	3.1	29
20	Dielectric relaxations and ferroelectric behaviour of even-odd polyamide PA 6,9. Polymer, 2010, 51, 4606-4610.	3.8	28
21	Low filled conductive P(VDF-TrFE) composites: Influence of silver particles aspect ratio on percolation threshold from spheres to nanowires. Journal of Non-Crystalline Solids, 2012, 358, 3074-3078.	3.1	27
22	Magnetolectric properties of nickel nanowires-P(VDF-TrFE) composites. Materials Chemistry and Physics, 2015, 153, 195-201.	4.0	27
23	Electrically conductive carbon fiber / PEKK / silver nanowires multifunctional composites. Composites Science and Technology, 2016, 137, 159-166.	7.8	27
24	High conductive Ag nanowire-polyimide composites: Charge transport mechanism in thermoplastic thermostable materials. Journal of Non-Crystalline Solids, 2014, 385, 34-39.	3.1	26
25	New hybrid polymer nanocomposites for passive vibration damping by incorporation of carbon nanotubes and lead zirconate titanate particles. Journal of Non-Crystalline Solids, 2015, 409, 20-26.	3.1	25
26	Inorganic fillers influence on the radiation-induced ageing of a space-used silicone elastomer. Polymer Degradation and Stability, 2016, 128, 126-133.	5.8	25
27	Thermal, mechanical and dielectric behaviour of poly(aryl ether ketone) with low melting temperature. Journal of Thermal Analysis and Calorimetry, 2019, 135, 2147-2157.	3.6	25
28	TSC and Broadband Dielectric Spectroscopy Studies of $\hat{\Gamma}^2$ Relaxation in Phosphorus-Containing Dendrimers. Macromolecules, 2001, 34, 3808-3811.	4.8	24
29	Dynamic rheological behavior of poly(ether ketone ketone) from solid state to melt state. Journal of Applied Polymer Science, 2018, 135, 46456.	2.6	24
30	Electroactive influence of ferroelectric nanofillers on polyamide 11 matrix properties. Journal of Non-Crystalline Solids, 2007, 353, 4437-4442.	3.1	23
31	Thermal ageing of PTFE in the melted state: Influence of interdiffusion on the physicochemical structure. Polymer Degradation and Stability, 2020, 171, 109053.	5.8	23
32	Influence of electronic irradiations on the chemical and structural properties of PEEK for space applications. Polymer Degradation and Stability, 2019, 168, 108943.	5.8	22
33	Mechanical properties of continuous bamboo fiber-reinforced biobased polyamide 11 composites. Journal of Applied Polymer Science, 2019, 136, 47623.	2.6	22
34	Dielectric relaxations in PEEK by combined dynamic dielectric spectroscopy and thermally stimulated current. Journal of Thermal Analysis and Calorimetry, 2013, 111, 807-814.	3.6	19
35	Evolution of dispersion of carbon nanotubes in Polyamide 11 matrix composites as determined by DC conductivity. Composites Science and Technology, 2012, 72, 515-520.	7.8	18
36	Electrical behavior of a graphene/PEKK and carbon black/PEKK nanocomposites in the vicinity of the percolation threshold. Journal of Non-Crystalline Solids, 2019, 512, 1-6.	3.1	18

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37	Mechanical and thermal behaviour of bamboo flour-reinforced XLPE composites. <i>Journal of Thermal Analysis and Calorimetry</i> , 2016, 124, 701-708.	3.6	16
38	Enthalpy Relaxation in Phosphorus-Containing Dendrimers. <i>Macromolecules</i> , 2002, 35, 2090-2094.	4.8	15
39	Thermo-mechanical analysis of dental silicone polymers. <i>Journal of Materials Science</i> , 2006, 41, 7611-7616.	3.7	15
40	Influence of water on localized and delocalized molecular mobility of cellulose. <i>Journal of Non-Crystalline Solids</i> , 2009, 355, 1669-1672.	3.1	15
41	Polymerization study and rheological behavior of a RTM6 epoxy resin system during preprocessing step. <i>Journal of Thermal Analysis and Calorimetry</i> , 2015, 119, 329-336.	3.6	15
42	Thermal conductivity and diffusivity of carbon-reinforced polyetherketoneketone composites. <i>Journal of Applied Polymer Science</i> , 2019, 136, 47975.	2.6	15
43	Molecular mobility of poplar cell wall polymers studied by dielectric techniques. <i>Journal of Non-Crystalline Solids</i> , 2008, 354, 3207-3214.	3.1	14
44	Physical structure and mechanical properties of polyamide/bamboo composites. <i>Journal of Thermal Analysis and Calorimetry</i> , 2017, 129, 1463-1469.	3.6	14
45	Integrated piezoelectric function in a high thermostable thermoplastic PZT/PEEK composite. <i>Journal of Non-Crystalline Solids</i> , 2014, 388, 32-36.	3.1	13
46	Effect of PEKK oligomers sizing on the dynamic mechanical behavior of poly(ether ketone) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 382 Td	2.6	13
47	New bonded assembly configuration for dynamic mechanical analysis of adhesives. <i>International Journal of Adhesion and Adhesives</i> , 2013, 46, 1-6.	2.9	12
48	Poling influence on the mechanical properties and molecular mobility of highly piezoelectric P(VDF-trFE) copolymer. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2017, 55, 1414-1422.	2.1	12
49	Thermal stability and mechanical behavior of technical bamboo fibers/bio-based polyamide composites. <i>Journal of Thermal Analysis and Calorimetry</i> , 2022, 147, 1097-1106.	3.6	11
50	Correlation between sub- T_g relaxation processes and mechanical behavior for different hydrothermal ageing conditions in epoxy assemblies. <i>Journal of Applied Polymer Science</i> , 2010, 115, 1208-1214.	2.6	10
51	Electrical behaviour of a silicone elastomer under simulated space environment. <i>Journal Physics D: Applied Physics</i> , 2015, 48, 135302.	2.8	10
52	Influence of silver nanowires on thermal and electrical behaviors of a poly(epoxy) coating for aeronautical application. <i>Journal of Applied Polymer Science</i> , 2018, 135, 46829.	2.6	10
53	Enthalpy relaxation phenomena of epoxy adhesive in operational configuration: Thermal, mechanical and dielectric analyses. <i>Journal of Non-Crystalline Solids</i> , 2014, 387, 57-61.	3.1	9
54	Discontinuity of physical properties of carbon nanotube/polymer composites at the percolation threshold. <i>Journal of Non-Crystalline Solids</i> , 2014, 392-393, 19-25.	3.1	9

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55	Conduction mechanisms in P(VDF-TrFE)/gold nanowire composites: tunnelling and thermally-activated hopping process near the percolation threshold. <i>Materials Research Express</i> , 2016, 3, 085027.	1.6	9
56	Piezoelectric and mechanical behavior of NaNbO ₃ /PEKK lead-free nanocomposites. <i>Journal of Non-Crystalline Solids</i> , 2017, 459, 83-87.	3.1	9
57	Dielectric and mechanical properties of various species of Madagascan woods. <i>Wood Science and Technology</i> , 2017, 51, 1389-1404.	3.2	9
58	Innovative conductive polymer composite coating for aircrafts lightning strike protection. <i>Journal of Applied Polymer Science</i> , 2020, 137, 48700.	2.6	8
59	Electronic irradiation ageing in the vicinity of glass transition temperature for PEEK space applications. <i>Polymer Degradation and Stability</i> , 2020, 181, 109305.	5.8	8
60	Physical structure of P(VDF-TrFE)/barium titanate submicron composites. <i>Journal of Non-Crystalline Solids</i> , 2012, 358, 794-798.	3.1	7
61	Electrical conductivity of a silicone network upon electron irradiation: influence of formulation. <i>Journal Physics D: Applied Physics</i> , 2016, 49, 505303.	2.8	7
62	Magnetoelectric coupling in PVDF/Nano NaNbO ₃ /NanoNi composites: Influence of Ni particles aspect ratio. <i>IEEE Transactions on Dielectrics and Electrical Insulation</i> , 2020, 27, 1381-1386.	2.9	6
63	Dynamic glass transition of filled polysiloxane upon electron irradiation. <i>Journal of Non-Crystalline Solids</i> , 2017, 455, 17-23.	3.1	5
64	Dynamic relaxations in a bio-based polyamide with enhanced mechanical modulus. <i>Journal of Applied Polymer Science</i> , 2018, 135, 46846.	2.6	5
65	Effect of Maleic Anhydride Grafted Ethylene Vinyl Acetate Compatibilizer on the Mechanical, Thermal Properties and Weathering Resistance of Polyamide 11/Bamboo Fiber Composite. <i>Materials Transactions</i> , 2020, 61, 1527-1534.	1.2	5
66	Environmental ageing of aerospace epoxy adhesive in bonded assembly configuration. <i>Journal of Thermal Analysis and Calorimetry</i> , 2013, 114, 621-628.	3.6	4
67	Fabrication of Nickel NanoChains/PVDF Nanocomposites and Their Electrical/Magnetic Properties. <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2019, 216, 1900158.	1.8	4
68	Ageing of PEEK/Carbon Fibre composite under electronic irradiations: Influence on mechanical behaviour and charge transport. <i>Composites Part A: Applied Science and Manufacturing</i> , 2022, 154, 106769.	7.6	4
69	Continuous Bamboo Fibers/Fire-Retardant Polyamide 11: Dynamic Mechanical Behavior of the Biobased Composite. <i>Polymers</i> , 2022, 14, 299.	4.5	4
70	Ageing of polyimide under thermal stress: Relaxational effects and charge transport. <i>Polymer Degradation and Stability</i> , 2021, 186, 109524.	5.8	3
71	The crystallinity and piezoelectric properties of spray-coated films of P(VDF ₇₀ -TrFE ₃₀): effects of film thickness and spin-crossover nanofillers. <i>Journal of Materials Chemistry C</i> , 2022, 10, 8466-8473.	5.5	3
72	Analysis of gene mutation in plant cell wall by dielectric relaxation. <i>Journal Physics D: Applied Physics</i> , 2012, 45, 295402.	2.8	2

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73	Improving damping capabilities of composites structures by electroactive films containing piezoelectric and conductive fillers. <i>Smart Materials and Structures</i> , 2021, 30, 085008.	3.5	2
74	Physical and dynamic mechanical properties of continuous bamboo reinforcement/bio-based epoxy composites. <i>Materials Research Express</i> , 2022, 9, 015505.	1.6	2
75	Thermo Stimulated Currents a method to identify gene mutation in <i>Arabidopsis Thaliana</i> . , 2011, , .		1
76	Conductive sizing for improving electrical conductivity of carbon fiber/polyarylether ketone/AgNWs composites. <i>Journal of Applied Polymer Science</i> , 2019, 136, 47872.	2.6	1
77	Nickel-Decorated Silver Nanowires for Polymer-Based Magnetolectric Composite. <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2021, 218, 2100037.	1.8	0
78	Dynamic electrical and mechanical properties of epoxy/silver nanowires composites. <i>Journal of Applied Polymer Science</i> , 2022, 139, 51710.	2.6	0