

Sebastien Pruvost

List of Publications by Year in descending order

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55
papers

1,520
citations

331670

21
h-index

315739

38
g-index

56
all docs

56
docs citations

56
times ranked

1592
citing authors

#	ARTICLE	IF	CITATIONS
1	Improvement of Barrier Properties of Biodegradable Polybutylene Succinate/Graphene Nanoplatelets Nanocomposites Prepared by Melt Process. <i>Membranes</i> , 2021, 11, 151.	3.0	17
2	Thermoset-thermoplastic-ionic liquid ternary hybrids as novel functional polymer materials. <i>Polymer</i> , 2021, 218, 123507.	3.8	14
3	Dielectric behaviour of an epoxy network cured with a phosphonium-based ionic liquid. <i>Polymer</i> , 2021, 222, 123645.	3.8	9
4	Role of the Macromolecular Architecture of Copolymers at Layer–Layer Interfaces of Multilayered Polymer Films: A Combined Morphological and Rheological Investigation. <i>Industrial & Engineering Chemistry Research</i> , 2020, 59, 22144-22154.	3.7	8
5	Unveiling the Effects of In Situ Layer–Layer Interfacial Reaction in Multilayer Polymer Films via Multilayered Assembly: From Microlayers to Nanolayers. <i>Macromolecular Materials and Engineering</i> , 2020, 305, 2000076.	3.6	12
6	Synthesis of isoprene-based triblock copolymers by nitroxide-mediated polymerization. <i>European Polymer Journal</i> , 2020, 134, 109798.	5.4	9
7	From Ionic Liquid Epoxy Monomer to Tunable Epoxy–Amine Network: Reaction Mechanism and Final Properties. <i>ACS Sustainable Chemistry and Engineering</i> , 2019, 7, 3602-3613.	6.7	33
8	The Role of Fluorinated IL as an Interfacial Agent in P(VDF-CTFE)/Graphene Composite Films. <i>Nanomaterials</i> , 2019, 9, 1181.	4.1	8
9	Î ² -Myrcene/isobornyl methacrylate SG1 nitroxide-mediated controlled radical polymerization: synthesis and characterization of gradient, diblock and triblock copolymers. <i>RSC Advances</i> , 2019, 9, 3377-3395.	3.6	19
10	Advanced characterization of the structuration of ionic liquids in a copolyester. <i>European Polymer Journal</i> , 2019, 118, 97-106.	5.4	1
11	Improving the thermal and electrical properties of polymer composites by ordered distribution of carbon micro- and nanofillers. <i>International Journal of Heat and Mass Transfer</i> , 2019, 138, 75-84.	4.8	29
12	CBRAM devices with a water casted solid polymer electrolyte for flexible electronic applications. , 2019, , .		2
13	High Voltage Electrical Properties of Epoxy / h-BN Microcomposites. , 2018, , .		2
14	PeakForce QNM AFM study of chitin-silica hybrid films. <i>Carbohydrate Polymers</i> , 2017, 166, 139-145.	10.2	13
15	Electrical, thermal and mechanical properties of poly-etherimide epoxy-diamine blend. <i>Composites Part B: Engineering</i> , 2017, 110, 530-541.	12.0	29
16	Ionic Liquids as Surfactants for Layered Double Hydroxide Fillers: Effect on the Final Properties of Poly(Butylene Adipate-Co-Terephthalate). <i>Nanomaterials</i> , 2017, 7, 297.	4.1	10
17	Epoxy/Poly-etherimide blends for electrical insulation. , 2016, , .		0
18	Electrical properties of thermoset/thermoplastic blends: Influence of the nature of the thermoplastic. , 2016, , .		0

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19	AFM PeakForce QNM mode: Evidencing nanometre-scale mechanical properties of chitin-silica hybrid nanocomposites. Carbohydrate Polymers, 2016, 151, 373-380.	10.2	68
20	Probing nanomechanical properties with AFM to understand the structure and behavior of polymer blends compatibilized with ionic liquids. RSC Advances, 2016, 6, 96421-96430.	3.6	29
21	Ionic liquids: A New Route for the Design of Epoxy Networks. ACS Sustainable Chemistry and Engineering, 2016, 4, 481-490.	6.7	56
22	Instantaneous stereocomplex driven self-assembly of enantiomeric poly(vinyl) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 627 Td (alcohol)-gra 195-204.	3.8	5
23	Dip- and spin-assisted stereocomplexation-driven LbL self-assembly involving homochiral PVA-g-OLLA and PVA-g-ODLA copolymers. RSC Advances, 2015, 5, 107370-107377.	3.6	3
24	Understanding of Versatile and Tunable Nanostructuration of Ionic Liquids on Fluorinated Copolymer. Macromolecules, 2015, 48, 4581-4590.	4.8	41
25	Doubling the electrocaloric cooling of poled ferroelectric materials by bipolar cycling. Applied Physics Letters, 2014, 105, .	3.3	18
26	Energy Harvesting from Temperature: Use of Pyroelectric and Electrocaloric Properties. Engineering Materials, 2014, , 225-249.	0.6	2
27	Ionic liquids as reactive additives for the preparation and modification of epoxy networks. Journal of Polymer Science Part A, 2014, 52, n/a-n/a.	2.3	25
28	Direct measurement of the electrocaloric effect in poly(vinylidene) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 387 Td (fluoride-trifluoroethylene) 103, .	3.3	21
29	Electrostatic energy harvesting enhancement using variable equivalent permittivity. Physics Letters, Section A: General, Atomic and Solid State Physics, 2011, 375, 3921-3924.	2.1	47
30	Investigations for the growth of large underdoped Bi ₂ Sr ₂ CaCu ₂ O ₈ + δ single crystals. Journal of Crystal Growth, 2010, 312, 466-470.	1.5	6
31	Temperature/electric field scaling in Ferroelectrics. Physica B: Condensed Matter, 2010, 405, 2757-2761.	2.7	18
32	Domain Switching and Energy Harvesting Capabilities in Ferroelectric Materials. Journal of Physical Chemistry C, 2010, 114, 20629-20635.	3.1	34
33	Nonlinearity and scaling behavior in a soft lead zirconate titanate piezoceramic. Journal of Applied Physics, 2010, 108, .	2.5	21
34	Thermal energy harvesting from Pb(Zn _{1/3} Nb _{2/3}) _{0.955} Ti _{0.045} O ₃ single crystals phase transitions. Journal of Applied Physics, 2009, 106, .	2.5	41
35	Mechanism of depolarization with temperature for $(1-x)$ Pb(Zn _{1/3} Nb _{2/3})O ₃ - x PbTiO ₃ single crystals. Acta Materialia, 2009, 57, 2243-2249.	7.9	21
36	Nonlinear pyroelectric energy harvesting from relaxor single crystals. IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control, 2009, 56, 693-699.	3.0	90

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37	Energy Harvesting from Ambient Vibrations and Heat. Journal of Intelligent Material Systems and Structures, 2009, 20, 609-624.	2.5	102
38	Micro-“macro correlation in ferroelectric materials: Depolarization mechanism for different excitations. Acta Materialia, 2008, 56, 215-221.	7.9	8
39	Synthesis and characterization of 0.65Pb(Mg1/3Nb2/3)O3-0.35PbTiO3 fibers with Pt core. Materials Research Bulletin, 2008, 43, 493-501.	5.2	7
40	Composition dependence of 90° domain switching in Pb(Mg1/3Nb2/3)1-xTixO3 system. Solid State Sciences, 2008, 10, 1020-1027.	3.2	18
41	Energy harvesting based on Ericsson pyroelectric cycles in a relaxor ferroelectric ceramic. Smart Materials and Structures, 2008, 17, 015012.	3.5	156
42	Energy harvesting based on FE-FE transition in ferroelectric single crystals. IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control, 2008, 55, 279-285.	3.0	67
43	Ambient energy harvesting using ferroelectric materials. , 2008, , .		2
44	Depolarization mechanism under compressive stress in Pb(Mg1/3Nb2/3)1-xTixO3 system. Journal of Applied Physics, 2007, 102, 064104.	2.5	8
45	Electrocaloric properties of high dielectric constant ferroelectric ceramics. Journal of the European Ceramic Society, 2007, 27, 4021-4024.	5.7	68
46	Electrocaloric and pyroelectric properties of 0.75Pb(Mg1/3Nb2/3)O3-0.25PbTiO3 single crystals. Journal of Applied Physics, 2006, 100, 124112.	2.5	167
47	Electrocaloric Effect In Relaxor Ferroelectric Ceramics and Single Crystals. Applications of Ferroelectrics, IEEE International Symposium on, 2006, , .	0.0	0
48	New kinetical and thermodynamical data concerning the intercalation of lithium and calcium into graphite. Journal of Physics and Chemistry of Solids, 2006, 67, 1137-1140.	4.0	18
49	Correlation between macroscopic properties and microscopic parameters versus stress in tetragonal Pb(Mg1/3Nb2/3)0.6Ti0.4O3 ferroelectric ceramics. Journal of Applied Physics, 2006, 100, 074104.	2.5	12
50	Nuclear microanalysis: An efficient tool to study intercalation compounds containing lithium. Carbon, 2004, 42, 2049-2056.	10.3	25
51	Structural Study of Novel Graphite~Lithium~Calcium Intercalation Compounds. European Journal of Inorganic Chemistry, 2004, 2004, 1661-1667.	2.0	28
52	Co-intercalation into graphite of lithium and sodium with an alkaline earth metal. Carbon, 2004, 42, 1825-1831.	10.3	36
53	Synthesis of a novel lithium~europium graphite intercalation compound. Carbon, 2004, 42, 2122-2124.	10.3	8
54	On the great difficulty of intercalating lithium with a second element into graphite. Carbon, 2003, 41, 1281-1289.	10.3	23

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55	Synthèse à haute température et étude structurale d'un nouveau sulfurographiture de potassium. Comptes Rendus De L'Academie Des Sciences - Series Ilc: Chemistry, 2000, 3, 849-852.	0.1	0