

Sebastien Pruvost

List of Publications by Year in descending order

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55
papers

1,520
citations

377584

21
h-index

355658

38
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56
all docs

56
docs citations

56
times ranked

1798
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.	1.4	17
2	Thermoset-thermoplastic-ionic liquid ternary hybrids as novel functional polymer materials. <i>Polymer</i> , 2021, 218, 123507.	1.8	14
3	Dielectric behaviour of an epoxy network cured with a phosphonium-based ionic liquid. <i>Polymer</i> , 2021, 222, 123645.	1.8	9
4	Role of the Macromolecular Architecture of Copolymers at Layerâ€“Layer Interfaces of Multilayered Polymer Films: A Combined Morphological and Rheological Investigation. <i>Industrial & Engineering Chemistry Research</i> , 2020, 59, 22144-22154.	1.8	8
5	Unveiling the Effects of In Situ Layerâ€“Layer Interfacial Reaction in Multilayer Polymer Films via Multilayered Assembly: From Microlayers to Nanolayers. <i>Macromolecular Materials and Engineering</i> , 2020, 305, 2000076.	1.7	12
6	Synthesis of isoprene-based triblock copolymers by nitroxide-mediated polymerization. <i>European Polymer Journal</i> , 2020, 134, 109798.	2.6	9
7	From Ionic Liquid Epoxy Monomer to Tunable Epoxyâ€“Amine Network: Reaction Mechanism and Final Properties. <i>ACS Sustainable Chemistry and Engineering</i> , 2019, 7, 3602-3613.	3.2	33
8	The Role of Fluorinated IL as an Interfacial Agent in P(VDF-CTFE)/Graphene Composite Films. <i>Nanomaterials</i> , 2019, 9, 1181.	1.9	8
9	Î²-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.	1.7	19
10	Advanced characterization of the structuration of ionic liquids in a copolyester. <i>European Polymer Journal</i> , 2019, 118, 97-106.	2.6	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.	2.5	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.	5.1	13
15	Electrical, thermal and mechanical properties of poly-etherimide epoxy-diamine blend. <i>Composites Part B: Engineering</i> , 2017, 110, 530-541.	5.9	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.	1.9	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.	5.1	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.	1.7	29
21	Ionic liquids: A New Route for the Design of Epoxy Networks. ACS Sustainable Chemistry and Engineering, 2016, 4, 481-490.	3.2	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.	1.8	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.	1.7	3
24	Understanding of Versatile and Tunable Nanostructuring of Ionic Liquids on Fluorinated Copolymer. Macromolecules, 2015, 48, 4581-4590.	2.2	41
25	Doubling the electrocaloric cooling of poled ferroelectric materials by bipolar cycling. Applied Physics Letters, 2014, 105, .	1.5	18
26	Energy Harvesting from Temperature: Use of Pyroelectric and Electrocaloric Properties. Engineering Materials, 2014, , 225-249.	0.3	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.	2.5	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, .	1.5	21
29	Electrostatic energy harvesting enhancement using variable equivalent permittivity. Physics Letters, Section A: General, Atomic and Solid State Physics, 2011, 375, 3921-3924.	0.9	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.	0.7	6
31	Temperature/electric field scaling in Ferroelectrics. Physica B: Condensed Matter, 2010, 405, 2757-2761.	1.3	18
32	Domain Switching and Energy Harvesting Capabilities in Ferroelectric Materials. Journal of Physical Chemistry C, 2010, 114, 20629-20635.	1.5	34
33	Nonlinearity and scaling behavior in a soft lead zirconate titanate piezoceramic. Journal of Applied Physics, 2010, 108, .	1.1	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, .	1.1	41
35	Mechanism of depolarization with temperature for $(1-x)$ Pb(Zn _{1/3} Nb _{2/3}) _{0.955} Ti _{0.045} O ₃ single crystals. Acta Materialia, 2009, 57, 2243-2249.	3.8	21
36	Nonlinear pyroelectric energy harvesting from relaxor single crystals. IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control, 2009, 56, 693-699.	1.7	90

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37	Energy Harvesting from Ambient Vibrations and Heat. Journal of Intelligent Material Systems and Structures, 2009, 20, 609-624.	1.4	102
38	Micro-macro correlation in ferroelectric materials: Depolarization mechanism for different excitations. Acta Materialia, 2008, 56, 215-221.	3.8	8
39	Synthesis and characterization of 0.65Pb(Mg _{1/3} Nb _{2/3})O ₃ -0.35PbTiO ₃ fibers with Pt core. Materials Research Bulletin, 2008, 43, 493-501.	2.7	7
40	Composition dependence of 90° domain switching in Pb(Mg _{1/3} Nb _{2/3}) _{1-x} Ti _x O ₃ system. Solid State Sciences, 2008, 10, 1020-1027.	1.5	18
41	Energy harvesting based on Ericsson pyroelectric cycles in a relaxor ferroelectric ceramic. Smart Materials and Structures, 2008, 17, 015012.	1.8	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.	1.7	67
43	Ambient energy harvesting using ferroelectric materials. , 2008, , .		2
44	Depolarization mechanism under compressive stress in Pb(Mg _{1/3} Nb _{2/3}) _{1-x} Ti _x O ₃ system. Journal of Applied Physics, 2007, 102, 064104.	1.1	8
45	Electrocaloric properties of high dielectric constant ferroelectric ceramics. Journal of the European Ceramic Society, 2007, 27, 4021-4024.	2.8	68
46	Electrocaloric and pyroelectric properties of 0.75Pb(Mg _{1/3} Nb _{2/3}) _{0.25} PbTiO ₃ single crystals. Journal of Applied Physics, 2006, 100, 124112.	1.1	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.	1.9	18
49	Correlation between macroscopic properties and microscopic parameters versus stress in tetragonal Pb(Mg _{1/3} Nb _{2/3}) _{0.6} Ti _{0.4} O ₃ ferroelectric ceramics. Journal of Applied Physics, 2006, 100, 074104.	1.1	12
50	Nuclear microanalysis: An efficient tool to study intercalation compounds containing lithium. Carbon, 2004, 42, 2049-2056.	5.4	25
51	Structural Study of Novel Graphite-Lithium-Calcium Intercalation Compounds. European Journal of Inorganic Chemistry, 2004, 2004, 1661-1667.	1.0	28
52	Co-intercalation into graphite of lithium and sodium with an alkaline earth metal. Carbon, 2004, 42, 1825-1831.	5.4	36
53	Synthesis of a novel lithium-europium graphite intercalation compound. Carbon, 2004, 42, 2122-2124.	5.4	8
54	On the great difficulty of intercalating lithium with a second element into graphite. Carbon, 2003, 41, 1281-1289.	5.4	23

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