Vincent Verney

List of Publications by Year
in descending order

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Version: 2024-02-01

100	1,983	236925	315739
papers	citations	25 h-index	38 g-index

101	101	101	2081
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Enhancement of Gas Barrier Properties and Durability of Poly(butylene succinate-co-butylene) Tj ETQq1 1 0.784314 rgBT /Overlock 10	4.1	7
2	Enhancing the Thermostability of Engineered Laccases in Aqueous Betaine-Based Natural Deep Eutectic Solvents. ACS Sustainable Chemistry and Engineering, 2022, 10, 572-581.	6.7	14
3	High-Density Bio-PE and Pozzolan Based Composites: Formulation and Prototype Design for Control of Low Water Flow. Polymers, 2021, 13, 1908.	4.5	3
4	Pozzolan Based 3D Printing Composites: From the Formulation Till the Final Application in the Precision Irrigation Field. Materials, 2021, 14, 43.	2.9	6
5	Morphological, Rheological and Mechanical Properties of Pla-Typha Based Biocomposites. Open Journal of Composite Materials, 2021, 11, 111-122.	0.8	1
6	Improving laccase thermostability with aqueous natural deep eutectic solvents. International Journal of Biological Macromolecules, 2020, 163, 919-926.	7.5	44
7	Effect of 3D Printing Temperature Profile on Polymer Materials Behavior. 3D Printing and Additive Manufacturing, 2020, 7, 311-325.	2.9	17
8	Chain extender effect of 3-(4-hydroxyphenyl)propionic acid/layered double hydroxide in biopolyesters containing the succinate moiety. New Journal of Chemistry, 2020, 44, 10127-10136.	2.8	3
9	Organo-modified LDH fillers endowing multi-functionality to bio-based poly(butylene succinate): An extended study from the laboratory to possible market. Applied Clay Science, 2020, 188, 105502.	5.2	21
10	Ability of Trichoderma hamatum Isolated from Plastics-Polluted Environments to Attack Petroleum-Based, Synthetic Polymer Films. Processes, 2020, 8, 467.	2.8	23
11	Design, fabrication and anti-aging behavior of a multifunctional inorganicâ€“organic hybrid stabilizer derived from co-intercalated layered double hydroxides for polypropylene. Inorganic Chemistry Frontiers, 2019, 6, 2539-2549.	6.0	9
12	Olive Mill Wastewater Valorization in Multifunctional Biopolymer Composites for Antibacterial Packaging Application. International Journal of Molecular Sciences, 2019, 20, 2376.	4.1	10
13	A new valorization route for Olive Mill wastewater: Improvement of durability of PP and PBS composites through multifunctional hybrid systems. Journal of Environmental Chemical Engineering, 2019, 7, 103026.	6.7	12
14	Outstanding chain-extension effect and high UV resistance of polybutylene succinate containing amino-acid-modified layered double hydroxides. Beilstein Journal of Nanotechnology, 2019, 10, 684-695.	2.8	10
15	Photodegradation and Biodegradation of Poly(Lactic) Acid Containing Orotic Acid as a Nucleation Agent. Materials, 2019, 12, 481.	2.9	31
16	Influence of the viscoelastic regime onto the UV reactivity of poly(lactic acid). European Polymer Journal, 2019, 110, 138-144.	5.4	2
17	Dual chain extension effect and antibacterial properties of biomolecules interleaved within LDH dispersed into PBS by in situ polymerization. Dalton Transactions, 2018, 47, 3155-3165.	3.3	21
18	Poly(Lactic Acid)-Based Nanobiocomposites with Modulated Degradation Rates. Materials, 2018, 11, 1943.	2.9	33

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19	Melt Viscoelastic Assessment of Poly(Lactic Acid) Composting: Influence of UV Ageing. Molecules, 2018, 23, 2682.	3.8	6
20	Composites for Â« white and green Â» solutions: Coupling UV resistance and chain extension effect from poly(butylene succinate) and layered double hydroxides composites. Journal of Solid State Chemistry, 2018, 268, 9-15.	2.9	9
21	Deterioration of irradiation/high-temperature pretreated, linear low-density polyethylene (LLDPE) by Bacillus amyloliquefaciens. International Biodeterioration and Biodegradation, 2018, 132, 259-267.	3.9	62
22	Biowastes from wine as natural additive of polyolefins: Thermoâ€•and photoâ€•oxidation efficiency. Journal of Applied Polymer Science, 2018, 135, 46607.	2.6	7
23	Toward a Better Understanding of the Fused Deposition Modeling Process: Comparison with Injection Molding. 3D Printing and Additive Manufacturing, 2018, 5, 319-327.	2.9	21
24	Toward greener polyolefins: Antioxidant effect of phytic acid from cereal waste. European Polymer Journal, 2017, 96, 190-199.	5.4	25
25	Chain extender effect of 3-(4-hydroxyphenyl)propionic acid/layered double hydroxide in PBS bionanocomposites. European Polymer Journal, 2017, 94, 20-32.	5.4	15
26	Tuning the hydrolytic degradation rate of poly-lactic acid (PLA) to more durable applications. AIP Conference Proceedings, 2017, , .	0.4	9
27	Photochemical reactivity of PLA at the vicinity of glass transition temperature. The photo-rheology method. European Polymer Journal, 2016, 81, 239-246.	5.4	24
28	Accelerated Biodegradation of Agriculture Film Based on Aromaticâ€“Aliphatic Copolyester in Soil under Mesophilic Conditions. Journal of Agricultural and Food Chemistry, 2016, 64, 5653-5661.	5.2	29
29	Photodegradation of TiO2 composites based on polyesters. Journal of Photochemistry and Photobiology A: Chemistry, 2016, 321, 275-283.	3.9	11
30	Physico-chemical durability criteria of oils and linked bio-based polymers. OCL - Oilseeds and Fats, Crops and Lipids, 2015, 22, D107.	1.4	4
31	Rheological behavior of polyolefins during UV irradiation at high temperature as a coupled degradative process. European Polymer Journal, 2015, 72, 1-11.	5.4	24
32	Synthesis of Advanced Nanoreinforced Polyurethane with Thiolene Photografted Organoâ€Modified Layered Double Hydroxide. European Journal of Inorganic Chemistry, 2015, 2015, 1203-1211.	2.0	3
33	Effect of bioâ€based monomers on the scratch resistance of acrylate photopolymerizable coatings. Journal of Polymer Science, Part B: Polymer Physics, 2015, 53, 379-388.	2.1	7
34	Wood polypropylene composites prepared by thermally modified fibers at two extrusion speeds: mechanical and viscoelastic properties. Holzforschung, 2015, 69, 313-319.	1.9	14
35	Ageing of PCCD aliphatic polyesters: Effect of stereochemistry and ionic chain terminals. Journal of Photochemistry and Photobiology A: Chemistry, 2014, 292, 42-48.	3.9	6
36	Ex-ante life cycle assessment of polymer nanocomposites using organo-modified layered double hydroxides for potential application in agricultural films. Green Chemistry, 2014, 16, 4969-4984.	9.0	49

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37	Identification of important abiotic and biotic factors in the biodegradation of poly(l-lactic acid). International Journal of Biological Macromolecules, 2014, 71, 155-162.	7.5	79
38	X-ray diffraction and rheology cross-study of polymer chain penetrating surfactant tethered layered double hydroxide resulting into intermixed structure with polypropylene, poly(butylene)succinate and poly(dimethyl)siloxane. Applied Clay Science, 2014, 100, 102-111.	5.2	22
39	UV initiated oxidation and chemiluminescence from aromaticâ€“aliphatic co-polyesters and polylactic acid. Polymer Degradation and Stability, 2013, 98, 2556-2563.	5.8	26
40	Preparation of microfibers from wood/ionic liquid solutions. Carbohydrate Polymers, 2013, 92, 214-217.	10.2	24
41	Lignosulfonate interleaved layered double hydroxide: A novel green organoclay for bio-related polymer. Applied Clay Science, 2013, 71, 42-48.	5.2	46
42	Photostability and photobactericidal properties of porphyrin-layered double hydroxideâ€“polyurethane composite films. Journal of Materials Chemistry B, 2013, 1, 2139.	5.8	45
43	About the end life of novel aliphatic and aliphatic-aromatic (co)polyesters after UV-weathering: Structure/degradability relationships. Polymer Degradation and Stability, 2013, 98, 1321-1328.	5.8	32
44	Poly(butylene succinate)/layered double hydroxide bionanocomposites: Relationships between chemical structure of LDH anion, delamination strategy, and final properties. Journal of Applied Polymer Science, 2013, 130, 1931-1940.	2.6	25
45	Preparation of new biobased polyesters containing glycerol and their photodurability for outdoor applications. Green Chemistry, 2012, 14, 182-187.	9.0	16
46	Functionalisation of polybutylene succinate nanocomposites: from structure to reinforcement of UV-absorbing and mechanical properties. RSC Advances, 2012, 2, 5430.	3.6	43
47	Percolated non-Newtonian flow for silicone obtained from exfoliated bioinorganic layered double hydroxide intercalated with amino acid. Applied Clay Science, 2012, 55, 88-93.	5.2	7
48	Inorganic-Organic Hybrid Materials Based on Amino Acid Modified Hydrotalcites Used as UV-Absorber Fillers for Polybutylene Succinate. European Journal of Inorganic Chemistry, 2012, 2012, 5252-5258.	2.0	15
49	EcomatÃ©riaux : les matÃ©riaux passent au vert. Materiaux Et Techniques, 2012, 100, 367-368.	0.9	0
50	Assessment of the interrelation between photooxidation and biodegradation of selected polyesters after artificial weathering. Chemosphere, 2012, 88, 1214-1219.	8.2	63
51	Molecular changes during natural biopolymer ageing â€“ The case of shellac. Polymer Degradation and Stability, 2012, 97, 936-940.	5.8	40
52	Effect of annealing temperature on phase composition and tensile properties in isotactic poly(1â€butene). Journal of Applied Polymer Science, 2012, 124, 3407-3412.	2.6	24
53	CaractÃ©risation des propriÃ©tÃ©s biochimiques et hygroscopiques dâ€™une fibre de lin. Materiaux Et Techniques, 2012, 100, 525-535.	0.9	10
54	MatÃ©riaux utilisÃ©s Ã des fins environnementales â€“ le traitement des pollutions. Materiaux Et Techniques, 2012, 100, 189-190.	0.9	0

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55	Exfoliation and liquid crystal phase formation of layered double hydroxide into waterborne polyurethane coatings. Soft Matter, 2011, 7, 4242.	2.7	24
56	Photodegradation of isotactic poly(1-butene): Multiscale characterization. Polymer Degradation and Stability, 2011, 96, 1740-1744.	5.8	6
57	Effects of O₃ and NO₂ on the natural weathering of plasticized poly(vinyl) Tj ETQq1 1 0.784314 rgBT /Over	3.4	2
58	New polymers from renewable resources: synthesis, characterization, and photodurability of aliphatic polyesters containing glycerol. Journal of Biotechnology, 2010, 150, 206-206.	3.8	1
59	Strong interfacial attrition developed by oleate/layered double hydroxide nanoplatelets dispersed into poly(butylene succinate). Journal of Colloid and Interface Science, 2010, 349, 127-133.	9.4	33
60	Characterization of networks from photoreactive copolymers: an attempt to correlate chemical composition to network structure. Polymer International, 2010, 59, 1563-1570.	3.1	7
61	Porphyrin-layered double hydroxide/polymer composites as novel ecological photoactive surfaces. Journal of Materials Chemistry, 2010, 20, 9423.	6.7	46
62	Percolation network of organo-modified layered double hydroxide platelets into polystyrene showing enhanced rheological and dielectric behavior. Journal of Materials Chemistry, 2010, 20, 9484.	6.7	25
63	About Durability of Biodegradable Polymers: Structure/Degradability Relationships. Macromolecular Symposia, 2010, 296, 378-387.	0.7	15
64	A comprehensive study of an unusual jammed nanocomposite structure using hybrid layered double hydroxide filler. Journal of Colloid and Interface Science, 2009, 332, 327-335.	9.4	16
65	Novel copolyesters based on poly(alkylene dicarboxylate)s: 2. Thermal behavior and biodegradation of fully aliphatic random copolymers containing 1,4-cyclohexylene rings. European Polymer Journal, 2009, 45, 2402-2412.	5.4	24
66	Reactive and functionalized LDH fillers for polymer. Journal of Physics and Chemistry of Solids, 2008, 69, 1362-1366.	4.0	24
67	Novel copolyesters based on poly(alkylene dicarboxylate)s: 1. Thermal behavior and biodegradation of aliphaticâ€“aromatic random copolymers. European Polymer Journal, 2008, 44, 3650-3661.	5.4	21
68	Unusual Polystyrene Nanocomposite Structure Using Emulsifier-Modified Layered Double Hydroxide as Nanofiller. Chemistry of Materials, 2008, 20, 4854-4860.	6.7	60
69	The role of specific nucleation in polypropylene photodegradation. Polymer Degradation and Stability, 2007, 92, 1763-1768.	5.8	26
70	LDHâ€“dye hybrid material as coloured filler into polystyrene: Structural characterization and rheological properties. Journal of Physics and Chemistry of Solids, 2007, 68, 1140-1146.	4.0	26
71	Study on photodegradation of injection-moulded Î²-polypropylenes. Polymer Degradation and Stability, 2006, 91, 459-463.	5.8	31
72	Self-reinforcement of polymers as a consequence of elongational flow. Rheologica Acta, 2006, 45, 366-373.	2.4	8

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73	Photo-oxidation of polymers: Validation of oxygen uptake and relationship with extent of hydroperoxidation. Journal of Applied Polymer Science, 2006, 99, 2238-2244.	2.6	7
74	Structure evolution of Î±- and Î²-polypropylenes upon UV irradiation: A multiscale comparison. Polymer Degradation and Stability, 2005, 88, 532-539.	5.8	68
75	Molecular Evolution of Polymers through Photoageing: A New UV in situ Viscoelastic Technique. Macromolecular Rapid Communications, 2005, 26, 868-873.	3.9	11
76	A New Approach to the Evaluation of Stabilizer Efficiency Under Photo-Ageing. Macromolecular Materials and Engineering, 2004, 289, 387-392.	3.6	0
77	Photo-Rheometry/NIR Spectrometry: An in situ Technique for Monitoring Conversion and Viscoelastic Properties during Photopolymerization. Macromolecular Rapid Communications, 2004, 25, 1155-1158.	3.9	37
78	Impact of the Atmosphere on the Reactivity of Peroxidic Species upon Photooxidation of Polymers. Macromolecular Rapid Communications, 2004, 25, 1236-1240.	3.9	7
79	Morphological Evolution of Polyoctenamer upon Photo-Ageing. Macromolecular Chemistry and Physics, 2003, 204, 76-82.	2.2	4
80	A new ESR study of hindered amine stabilisers (HAS) and their oxidation products. Polymer International, 2003, 52, 576-580.	3.1	2
81	Photoaging of Polyoctenamer: Influence of the Initial Microstructure. International Journal of Polymer Analysis and Characterization, 2001, 6, 59-74.	1.9	6
82	A differential scanning calorimetry method to study polymer photoperoxidation. Polymer Testing, 2001, 20, 765-768.	4.8	21
83	Step-scan FTIR and photoacoustic detection to assess depth profile of photooxidized polymer. Vibrational Spectroscopy, 2001, 26, 43-49.	2.2	24
84	Thermal (DSC) and chemical (iodometric titration) methods for peroxides measurements in order to monitor drying extent of alkyd resins. Progress in Organic Coatings, 2001, 41, 171-176.	3.9	47
85	Styrene â€" Isoprene â€" Styrene Photoperoxidation: FT-IR, Calorimetric and Viscoelastic Study. International Journal of Polymer Analysis and Characterization, 2001, 6, 75-87.	1.9	2
86	Photooxidation of polyoctenamer: viscoelastic assessment of gel formation. Polymer, 2000, 41, 917-923.	3.8	21
87	Thermo-oxidation of polyterpenes: influence of the physical state. European Polymer Journal, 2000, 36, 2133-2142.	5.4	9
88	Determination of a discrete relaxation spectrum from dynamic experimental data using the PadÃ©-Laplace method. European Polymer Journal, 1996, 32, 69-77.	5.4	9
89	Correlations between relaxation time spectrum and melt spinning behavior of polypropylene. 1: Calculation of the relaxation spectrum as a log-normal distribution and influence of the molecular parameters. Polymer Engineering and Science, 1995, 35, 513-517.	3.1	15
90	Time-temperature superposition and linear viscoelasticity of polybutadienes. Macromolecules, 1995, 28, 7051-7057.	4.8	78

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91	Influence of crosslinking on thermal shrinkage behaviour of poly(vinyl chloride) fibres. Polymer, 1994, 35, 3217-3220.	3.8	5
92	Deconvolution of polymer melt stress relaxation by the PadÃ©â€“Laplace method. Journal of Rheology, 1993, 37, 17-34.	2.6	37
93	A rheological method for the study of crosslinking of ethylene acetate and ethylene acrylic ester copolymer in a polypropylene matrix. Polymer Engineering and Science, 1992, 32, 998-1003.	3.1	19
94	Study of polypropylene peroxidation by ozonization using electron spin resonance and transmission electron microscopy. Polymer, 1992, 33, 2307-2311.	3.8	15
95	Rheological aspects in degradation and stabilization of poly(vinyl chloride). Makromolekulare Chemie Macromolecular Symposia, 1989, 29, 209-226.	0.6	3
96	Melt rheology as a powerful tool to follow chemical reactions in a polyolefin matrix. Makromolekulare Chemie Macromolecular Symposia, 1989, 25, 187-198.	0.6	8
97	Thermal decomposition kinetics of polypropylene peroxides in the polymer matrix followed by ESR. Makromolekulare Chemie Macromolecular Symposia, 1989, 25, 199-208.	0.6	4
98	Influence de la polydispersitï¿½ sur le comportement rhï¿½ologique ï¿½ l'ï¿½tat fondu du polypropylï¿½ne. Rheologica Acta, 1985, 24, 627-631.	2.4	15
99	Calandrage du polypropÃ¨ne. Etude morphologique des dÃ©fauts et prÃ©vision rhÃ©ologique. European Polymer Journal, 1984, 20, 773-778.	5.4	1
100	Influence of the dynamic rheological properties of polypropene on its calendering ability. Rheologica Acta, 1981, 20, 484-486.	2.4	4