ValÃ©rie Langlois

List of Publications by Year
in descending order

67 papers	1,706 citations	236612 25 h-index	315357 38 g-index
67 all docs	67 docs citations	67 times ranked	1806 citing authors

#	Article	IF	Citations
1	Improved Processability and Antioxidant Behavior of Poly(3-hydroxybutyrate) in Presence of Ferulic Acid-Based Additives. Bioengineering, 2022, 9, 100.	1.6	4
2	Fully Bio-Based Epoxy-Amine Thermosets Reinforced with Recycled Carbon Fibers as a Low Carbon-Footprint Composite Alternative. ACS Applied Polymer Materials, 2021, 3, 426-435.	2.0	17
3	Dual UV-Thermal Curing of Biobased Resorcinol Epoxy Resin-Diatomite Composites with Improved Acoustic Performance and Attractive Flame Retardancy Behavior. Sustainable Chemistry, 2021, 2, 24-48.	2.2	7
4	Antioxidant Network Based on Sulfonated Polyhydroxyalkanoate and Tannic Acid Derivative. Bioengineering, 2021, 8, 9.	1.6	3
5	Blending Ferulic Acid Derivatives and Polylactic Acid into Biobased and Transparent Elastomeric Materials with Shape Memory Properties. Biomacromolecules, 2021, 22, 1568-1578.	2.6	15
6	Study of Mechanical Properties of PHBHV/Miscanthus Green Composites Using Combined Experimental and Micromechanical Approaches. Polymers, 2021, 13, 2650.	2.0	4
7	Additive manufacturing of polyhydroxyalkanoates (PHAs) biopolymers: Materials, printing techniques, and applications. Materials Science and Engineering C, 2021, 127, 112216.	3.8	63
8	Amphiphilic and Perfluorinated Poly(3-Hydroxyalkanoate) Nanocapsules for 19F Magnetic Resonance Imaging. Bioengineering, 2021, 8, 121.	1.6	2
9	Multiscale Characterization of Creep and Fatigue Crack Propagation Resistance of Fully Bio-Based Epoxy-Amine Resins. ACS Applied Polymer Materials, 2021, 3, 5134-5144.	2.0	7
10	Synthesis of Fluorinated Polyhydroxyalkanoates from Marine Bioresources as a Promising Biomaterial Coating. Biomacromolecules, 2021, 22, 4510-4520.	2.6	4
11	Multiscale Network Structure Analysis by Time Domain1H DQâ€‰NMR and DMA of Resorcinol Diglycidyl Etherâ€Jeffamine Matrices. ChemistrySelect, 2020, 5, 11291-11298.	0.7	3
12	Resorcinol-Based Epoxy Resins Hardened with Limonene and Eugenol Derivatives: From the Synthesis of Renewable Diamines to the Mechanical Properties of Biobased Thermosets. ACS Sustainable Chemistry and Engineering, 2020, 8, 13064-13075.	3.2	37
13	Novel poly(3-hydroxy butyrate) macro RAFT agent. Synthesis and characterization of thermoresponsive block copolymers. Journal of Polymer Research, 2020, 27, 1.	1.2	16
14	Multiscale Structural Characterization of Biobased Diallylâ€"Eugenol Polymer Networks. Macromolecules, 2020, 53, 2187-2197.	2.2	16
15	Co-Networks Poly(hydroxyalkanoates)-Terpenes to Enhance Antibacterial Properties. Bioengineering, 2020, 7, 13.	1.6	7
16	Photocurable bulk epoxy resins based on resorcinol derivative through cationic polymerization. Journal of Applied Polymer Science, 2020, 137, 49051.	1.3	13
17	The Design of Functionalized PHA-Based Polymeric Materials by Chemical Modifications. , 2020, , 17-42.		4
18	Thermal Stability and Flammability Behavior of Poly(3-hydroxybutyrate) (PHB) Based Composites. Materials, 2019, 12, 2239.	1.3	44

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19	Water-Soluble Poly(3-hydroxyalkanoate) Sulfonate: Versatile Biomaterials Used as Coatings for Highly Porous Nano-Metal Organic Framework. Biomacromolecules, 2019, 20, 3324-3332.	2.6	18
20	Biodegradable polyester thin films and coatings in the line of fire: the time of polyhydroxyalkanoate (PHA)?. Progress in Organic Coatings, 2019, 133, 85-89.	1.9	27
21	Enhancement of Biological Properties of Photoinduced Biobased Networks by Post-Functionalization with Antibacterial Molecule. ACS Sustainable Chemistry and Engineering, 2019, 7, 2500-2507.	3.2	10
22	Electrospun Nanofibrous Poly(3-Hydroxybutyrate-Co-3-Hydroxyvalerate) With Antibacterial Activity. , 2019, , 1-7.		0
23	Renewable Semi-Interpenetrating Polymer Networks Based on Vegetable Oils Used as Plasticized Systems of Poly(3-hydroxyalkanoate)s. ACS Sustainable Chemistry and Engineering, 2018, 6, 5034-5042.	3.2	16
24	Paprika, Gallic Acid, and Visible Light: The Green Combination for the Synthesis of Biocide Coatings. ACS Sustainable Chemistry and Engineering, 2018, 6, 104-109.	3.2	41
25	Natural Terpenes Used as Plasticizers for Poly(3-hydroxybutyrate). ACS Sustainable Chemistry and Engineering, 2018, 6, 16160-16168.	3.2	31
26	Biocomposites Based on Poly(3-Hydroxybutyrate-co-3-Hydroxyvalerate) (PHBHV) and Miscanthus giganteus Fibers with Improved Fiber/Matrix Interface. Polymers, 2018, 10, 509.	2.0	6
27	Design of functionalized biodegradable PHA-based electrospun scaffolds meant for tissue engineering applications. New Biotechnology, 2017, 37, 129-137.	2.4	52
28	Design of Antibacterial and Sustainable Antioxidant Networks Based on Plant Phenolic Derivatives Used As Delivery System of Carvacrol or Tannic Acid. ACS Sustainable Chemistry and Engineering, 2017, 5, 2320-2329.	3.2	54
29	Networks based on biodegradable polyesters: An overview of the chemical ways of crosslinking. Materials Science and Engineering C, 2017, 80, 760-770.	3.8	25
30	Straightforward Route To Design Biorenewable Networks Based on Terpenes and Sunflower Oil. ACS Sustainable Chemistry and Engineering, 2017, 5, 6707-6715.	3.2	14
31	Effet de la modiï¬cation chimique des ï¬bres. Revue Des Composites Et Des Materiaux Avances, 2017, 27, 11-30.	0.2	1
32	UV-cured thiolâ€"ene eugenol/ZnO composite materials with antibacterial properties. RSC Advances, 2016, 6, 88135-88142.	1.7	19
33	Functionalization of Miscanthus by Photoactivated Thiolâ€"Ene Addition to Improve Interfacial Adhesion with Polycaprolactone. ACS Sustainable Chemistry and Engineering, 2016, 4, 5475-5482.	3.2	6
34	Antibacterial and antioxidant bio-based networks derived from eugenol using photo-activated thiol-ene reaction. Reactive and Functional Polymers, 2016, 101, 47-53.	2.0	50
35	Poly(3-hydroxyalkanoate) sulfonate: From nanoparticles toward water soluble polyesters. European Polymer Journal, 2015, 68, 471-479.	2.6	17
36	Antibacterial Networks Based on Isosorbide and Linalool by Photoinitiated Process. ACS Sustainable Chemistry and Engineering, 2015, 3, 1094-1100.	3.2	41

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37	From design of bio-based biocomposite electrospun scaffolds to osteogenic differentiation of human mesenchymal stromal cells. Journal of Materials Science: Materials in Medicine, 2014, 25, 1563-1575.	1.7	47
38	Biocomposite scaffolds based on electrospun poly(3-hydroxybutyrate) nanofibers and electrosprayed hydroxyapatite nanoparticles for bone tissue engineering applications. Materials Science and Engineering C, 2014, 38, 161-169.	3.8	116
39	Electrografting of a biodegradable layer as a primer adhesion coating onto a metallic stent: in vitro and in vivo evaluations. Journal of Materials Science: Materials in Medicine, 2013, 24, 2729-2739.	1.7	6
40	High glass transition temperature bio-based copolyesters from poly(3-hydroxybutyrate-co-3-hydroxyvalerate) and isosorbide. Reactive and Functional Polymers, 2013, 73, 1656-1661.	2.0	15
41	Facile Synthesis of Multicompartment Micelles Based on Biocompatible Poly(3â€hydroxyalkanoate). Macromolecular Rapid Communications, 2013, 34, 362-368.	2.0	32
42	Photoinduced modification of the natural biopolymer poly(3-hydroxybutyrate-co-3-hydroxyvalerate) microfibrous surface with anthraquinone-derived dextran for biological applications. Journal of Materials Chemistry B, 2013, 1, 4834.	2.9	10
43	Development of a new azido-oxazoline monomer for the preparation of amphiphilic graft copolymers by combination of cationic ring-opening polymerization and click chemistry. Reactive and Functional Polymers, 2013, 73, 1001-1008.	2.0	34
44	Designing exopolysaccharide-graft-poly(3-hydroxyalkanoate) copolymers for electrospun scaffolds. Reactive and Functional Polymers, 2013, 73, 237-243.	2.0	10
45	Poly(3-hydroxyalkanoate)-derived amphiphilic graft copolymers for the design of polymersomes. Chemical Communications, 2012, 48, 5364.	2.2	32
46	Synthesis of dextran-graft-PHBHV amphiphilic copolymer using click chemistry approach. Reactive and Functional Polymers, 2012, 72, 487-494.	2.0	24
47	An Efficient Thiolâ€Ene Chemistry for the Preparation of Amphiphilic PHAâ€Based Graft Copolymers. Macromolecular Rapid Communications, 2012, 33, 2041-2045.	2.0	33
48	A micellization study of medium chain length poly(3-hydroxyalkanoate)-based amphiphilic diblock copolymers. Journal of Colloid and Interface Science, 2012, 375, 88-93.	5.0	28
49	Functionalized oligoesters from poly(3-hydroxyalkanoate)s containing reactive end group for click chemistry: Application to novel copolymer synthesis with poly(2-methyl-2-oxazoline). Reactive and Functional Polymers, 2012, 72, 160-167.	2.0	27
50	Multilayer approach for tuning the drug delivery from poly(3-hydroxyalkanaoate)s coatings. Reactive and Functional Polymers, 2012, 72, 260-267.	2.0	16
51	Toward the controlled production of oligoesters by microwave-assisted degradation of poly(3-hydroxyalkanoate)s. Polymer Degradation and Stability, 2012, 97, 322-328.	2.7	18
52	Controlled Synthesis of Well Defined Poly(3â€hydroxyalkanoate)sâ€based Amphiphilic Diblock Copolymers Using Click Chemistry. Macromolecular Chemistry and Physics, 2011, 212, 278-285.	1.1	35
53	Grafting biodegradable polyesters onto cellulose. Journal of Applied Polymer Science, 2011, 121, 1183-1192.	1.3	23
54	Ã‰laboration de nouveaux systÃ¨mes biodÃ©gradables Ã©lectrogreffables pour stents endovasculaires mÃ©talliques. Irbm, 2010, 31, 111-114.	3.7	2

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55	Role of carboxyl pendant groups of medium chain length poly(3â€hydroxyalkanoate)s in biomedical temporary applications. Journal of Applied Polymer Science, 2010, 117, 1888-1896.	1.3	13
56	Preparation of <i>Clickable</i> Poly(3â€hydroxyalkanoate) (PHA): Application to Poly(ethylene glycol) (PEG) Graft Copolymers Synthesis. Macromolecular Rapid Communications, 2010, 31, 619-624.	2.0	23
57	Degradation of Natural and Artificial Poly[(R)-3-hydroxyalkanoate]s: From Biodegradation to Hydrolysis. Microbiology Monographs, 2010, , 283-321.	0.3	8
58	Monohydroxylated Poly(3-hydroxyoctanoate) Oligomers and Its Functionalized Derivatives Used as Macroinitiators in the Synthesis of Degradable Diblock Copolyesters. Biomacromolecules, 2007, 8, 1255-1265.	2.6	41
59	Modification of Poly(3-hydroxybutyrate-co-3-hydroxyvalerate) Film by Chemical Graft Copolymerization. Biomacromolecules, 2007, 8, 416-423.	2.6	63
60	Bacterial polyesters grafted with poly(ethylene glycol): Behaviour in aqueous media. Polymer Degradation and Stability, 2007, 92, 1384-1392.	2.7	24
61	Preparation of a Novel Artificial Bacterial Polyester Modified with Pendant Hydroxyl Groups. Biomacromolecules, 2005, 6, 891-896.	2.6	35
62	Novel Biodegradable Copolyesters Containing Blocks of Poly(3-hydroxyoctanoate) and Poly(?-caprolactone): Synthesis and Characterization. Macromolecular Bioscience, 2004, 4, 1014-1020.	2.1	29
63	Hydrolytic degradation of blends of polyhydroxyalkanoates and functionalized polyhydroxyalkanoates. Polymer Degradation and Stability, 2004, 85, 779-787.	2.7	81
64	Synthesis of Graft Bacterial Polyesters for Nanoparticles Preparation. Macromolecular Bioscience, 2003, 3, 248-252.	2.1	26
65	Fourier Transform Infrared Spectroscopy for Screening and Quantifying Production of PHAs byPseudomonasGrown on Sodium Octanoate. Biomacromolecules, 2003, 4, 1092-1097.	2.6	76
66	Preparation of a bacterial polyester with carboxy groups in side chains. Comptes Rendus De L'Academie Des Sciences - Series IIc: Chemistry, 2001, 4, 289-293.	0.1	9
67	Bacterial poly-3-hydroxyalkenoates with epoxy groups in the side chains. Reactive and Functional Polymers, 1997, 34, 65-77.	2.0	76