

# Philippe Dubois

## List of Publications by Year in descending order

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678  
papers

45,612  
citations

2309

101  
h-index

4305

179  
g-index

708  
all docs

708  
docs citations

708  
times ranked

32582  
citing authors

#	ARTICLE	IF	CITATIONS
1	Reactive Extrusion (REx): Using Chemistry and Engineering to Solve the Problem of Ocean Plastics. Engineering, 2022, 14, 15-18.	3.2	3
2	Lignin as a flame retardant for biopolymers. , 2022, , 173-202.		3
3	Catalyst-free reprocessable crosslinked biobased polybenzoxazine-polyurethane based on dynamic carbamate chemistry. Journal of Applied Polymer Science, 2022, 139, .	1.3	20
4	Flame-Retardant Polymer Materials Developed by Reactive Extrusion: Present Status and Future Perspectives. Polymer Reviews, 2022, 62, 919-949.	5.3	9
5	Aliphatic polycarbonate modified poly(ethylene furandicarboxylate) materials with improved ductility, toughness and high CO2 barrier performance. Polymer, 2022, 246, 124751.	1.8	6
6	Recent Advances in Production of Ecofriendly Polylactide (PLA)-Calcium Sulfate (Anhydrite II) Composites: From the Evidence of Filler Stability to the Effects of PLA Matrix and Filling on Key Properties. Polymers, 2022, 14, 2360.	2.0	10
7	Phosphonium-based polythiophene conjugated polyelectrolytes with different surfactant counterions: thermal properties, self-assembly and photovoltaic performances. Polymer International, 2021, 70, 457-466.	1.6	4
8	Development of Low-Viscosity and High-Performance Biobased Monobenzoxazine from Tyrosol and Furfurylamine. Materials, 2021, 14, 440.	1.3	11
9	Nanocomposites based on ethylene vinyl acetate reinforced with different types of nanoparticles: potential applications. , 2021, , 357-377.		0
10	Flame retardant polymer materials: An update and the future for 3D printing developments. Materials Science and Engineering Reports, 2021, 144, 100604.	14.8	141
11	Adding Value in Production of Multifunctional Polylactide (PLA)-ZnO Nanocomposite Films through Alternative Manufacturing Methods. Molecules, 2021, 26, 2043.	1.7	10
12	Recycled Tire Rubber in Additive Manufacturing: Selective Laser Sintering for Polymer-Ground Rubber Composites. Applied Sciences (Switzerland), 2021, 11, 8778.	1.3	17
13	Pathways to Green Perspectives: Production and Characterization of Polylactide (PLA) Nanocomposites Filled with Superparamagnetic Magnetite Nanoparticles. Materials, 2021, 14, 5154.	1.3	6
14	Scratch-Healing Surface-Attached Coatings from Metallo-Supramolecular Polymer Conetworks. Macromolecular Chemistry and Physics, 2021, 222, 2000331.	1.1	6
15	Valorization of Recycled Tire Rubber for 3D Printing of ABS- and TPO-Based Composites. Materials, 2021, 14, 5889.	1.3	14
16	Solvent-Free Design of Biobased Non-isocyanate Polyurethanes with Ferroelectric Properties. ACS Sustainable Chemistry and Engineering, 2021, 9, 14946-14958.	3.2	11
17	Potentially Biodegradable Short-Long-Type Diol-Diacid Polyesters with Superior Crystallizability, Tensile Modulus, and Water Vapor Barrier. ACS Sustainable Chemistry and Engineering, 2021, 9, 17362-17370.	3.2	20
18	Thermal degradation of poly(lactic acid)-zeolite composites produced by melt-blending. Polymer Bulletin, 2020, 77, 2111-2137.	1.7	17

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19	Impact of organoclays on the phase morphology and the compatibilization efficiency of immiscible poly(ethylene terephthalate)/poly( $\epsilon$ -caprolactone) blends. <i>Journal of Applied Polymer Science</i> , 2020, 137, 48812.	1.3	5
20	Development of Inherently Flame-Retardant Phosphorylated PLA by Combination of Ring-Opening Polymerization and Reactive Extrusion. <i>Materials</i> , 2020, 13, 13.	1.3	28
21	Beta Phase Crystallization and Ferro- and Piezoelectric Performances of Melt-Processed Poly(vinylidene difluoride) Blends with Poly(methyl methacrylate) Copolymers Containing Ionizable Moieties. <i>ACS Applied Polymer Materials</i> , 2020, 2, 3766-3780.	2.0	12
22	Curing Kinetics and Thermal Stability of Epoxy Composites Containing Newly Obtained Nano-Scale Aluminum Hypophosphite (AlPO <sub>2</sub> ). <i>Polymers</i> , 2020, 12, 644.	2.0	47
23	Modification of poly(ethylene 2,5-furandicarboxylate) with aliphatic polycarbonate diols: 1. Randomized copolymers with significantly improved ductility and high CO <sub>2</sub> barrier performance. <i>European Polymer Journal</i> , 2020, 134, 109856.	2.6	14
24	Multifunctionality of structural nanohybrids: the crucial role of carbon nanotube covalent and non-covalent functionalization in enabling high thermal, mechanical and self-healing performance. <i>Nanotechnology</i> , 2020, 31, 225708.	1.3	41
25	Interphase Design of Cellulose Nanocrystals/Poly(hydroxybutyrate-co-valerate) Bionanocomposites for Mechanical and Thermal Properties Tuning. <i>Biomacromolecules</i> , 2020, 21, 1892-1901.	2.6	17
26	Cerium Salts: An Efficient Curing Catalyst for Benzoxazine Based Coatings. <i>Polymers</i> , 2020, 12, 415.	2.0	9
27	Self-Healing Metallo-Supramolecular Amphiphilic Polymer Conetworks. <i>Macromolecular Chemistry and Physics</i> , 2020, 221, 1900432.	1.1	17
28	In Depth Analysis of Photovoltaic Performance of Chlorophyll Derivative-Based All Solid-State Dye-Sensitized Solar Cells. <i>Molecules</i> , 2020, 25, 198.	1.7	10
29	Advances in intrinsic self-healing polyurethanes and related composites. <i>RSC Advances</i> , 2020, 10, 13766-13782.	1.7	72
30	Synergistic flame-retardant effect between lignin and magnesium hydroxide in poly(ethylene-co-vinyl) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 187 Td (2	1.9	10
31	Melt-processing of cellulose nanofibril/poly(lactide) bionanocomposites via a sustainable polyethylene glycol-based carrier system. <i>Carbohydrate Polymers</i> , 2019, 224, 115188.	5.1	20
32	Feasibility study into the potential use of fused-deposition modeling to manufacture 3D-printed enteric capsules in compounding pharmacies. <i>International Journal of Pharmaceutics</i> , 2019, 569, 118581.	2.6	51
33	In-situ synthesis, thermal and mechanical properties of biobased poly(ethylene) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 187 Td (2	2.6	25
34	Tailoring the isothermal crystallization kinetics of isodimorphic poly (butylene) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 147 Td (succinate-r	1.8	27
35	Nano-engineering and micromolecular science of polysilsesquioxane materials and their emerging applications. <i>Journal of Materials Chemistry A</i> , 2019, 7, 21577-21604.	5.2	64
36	Positive effect of functional side groups on the structure and properties of benzoxazine networks and nanocomposites. <i>Polymer Chemistry</i> , 2019, 10, 5251-5264.	1.9	8

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37	Curing epoxy with polyethylene glycol (PEG) surface-functionalized Ni <sub>3</sub> Fe <sub>3</sub> O <sub>4</sub> magnetic nanoparticles. <i>Progress in Organic Coatings</i> , 2019, 136, 105250.	1.9	22
38	A Comparative Study of the Electro-Assisted Grafting of Mono- and Bi-Phosphonic Acids on Nitinol Surfaces, 2019, 2, 520-530.	1.0	0
39	Photoactive Boron-Nitrogen-Carbon Hybrids: From Azo-borazines to Polymeric Materials. <i>Journal of Organic Chemistry</i> , 2019, 84, 9101-9116.	1.7	13
40	Sealing porous anodic layers on AA2024-T3 with a low viscosity benzoxazine resin for corrosion protection in aeronautical applications. <i>RSC Advances</i> , 2019, 9, 16819-16830.	1.7	10
41	Hierarchical chemomechanical encoding of multi-responsive hydrogel actuators via 3D printing. <i>Journal of Materials Chemistry A</i> , 2019, 7, 15395-15403.	5.2	73
42	Increased sea ice cover alters food web structure in East Antarctica. <i>Scientific Reports</i> , 2019, 9, 8062.	1.6	29
43	Synthesis and properties of a P3HT-based ABA triblock copolymer containing a perfluoropolyether central segment. <i>Synthetic Metals</i> , 2019, 252, 127-134.	2.1	9
44	Biomimetic Water-Responsive Self-Healing Epoxy with Tunable Properties. <i>ACS Applied Materials &amp; Interfaces</i> , 2019, 11, 17853-17862.	4.0	48
45	Diblock copolymers consisting of a redox polymer block based on a stable radical linked to an electrically conducting polymer block as cathode materials for organic radical batteries. <i>Polymer Chemistry</i> , 2019, 10, 2570-2578.	1.9	11
46	Simple Approach for a Self-Healable and Stiff Polymer Network from Iminoboronate-Based Boroxine Chemistry. <i>Chemistry of Materials</i> , 2019, 31, 3736-3744.	3.2	87
47	A quantitative determination of the polymerization of benzoxazine thin coatings by time-of-flight secondary ion mass spectrometry. <i>Surface and Interface Analysis</i> , 2019, 51, 674-680.	0.8	3
48	A dual approach to compatibilize PLA/ABS immiscible blends with epoxidized cardanol derivatives. <i>European Polymer Journal</i> , 2019, 114, 118-126.	2.6	26
49	Mechanistic Insights on Spontaneous Moisture-Driven Healing of Urea-Based Polyurethanes. <i>ACS Applied Materials &amp; Interfaces</i> , 2019, 11, 46176-46182.	4.0	18
50	Reactive Extrusion and Magnesium (II) N-Heterocyclic Carbene Catalyst in Continuous PLA Production. <i>Polymers</i> , 2019, 11, 1987.	2.0	5
51	Melt-processing of bionanocomposites based on ethylene-co-vinyl acetate and starch nanocrystals. <i>Carbohydrate Polymers</i> , 2019, 208, 382-390.	5.1	20
52	High-Performance Bio-Based Benzoxazines from Enzymatic Synthesis of Diphenols. <i>Macromolecular Chemistry and Physics</i> , 2019, 220, 1800312.	1.1	43
53	Modification of Poly(ethylene 2,5-furandicarboxylate) with Biobased 1,5-Pentanediol: Significantly Toughened Copolyesters Retaining High Tensile Strength and $O_2$ Barrier Property. <i>Biomacromolecules</i> , 2019, 20, 353-364.	2.6	92
54	Thermal and composting degradation of EVA/Thermoplastic starch blends and their nanocomposites. <i>Polymer Degradation and Stability</i> , 2019, 159, 184-198.	2.7	48

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55	Processing of PVDF-based electroactive/ferroelectric films: importance of PMMA and cooling rate from the melt state on the crystallization of PVDF beta-crystals. <i>Soft Matter</i> , 2018, 14, 4591-4602.	1.2	36
56	Effect of the addition of polyester-grafted-cellulose nanocrystals on the shape memory properties of biodegradable PLA/PCL nanocomposites. <i>Polymer Degradation and Stability</i> , 2018, 152, 126-138.	2.7	81
57	Cidaroids spines facing ocean acidification. <i>Marine Environmental Research</i> , 2018, 138, 9-18.	1.1	5
58	Supramolecular Approach for Efficient Processing of Polylactide/Starch Nanocomposites. <i>ACS Omega</i> , 2018, 3, 1069-1080.	1.6	10
59	Peculiar effect of stereocomplexes on the photochemical ageing of PLA/PMMA blends. <i>Polymer Degradation and Stability</i> , 2018, 150, 92-104.	2.7	10
60	Crystallization kinetics of polylactide: Reactive plasticization and reprocessing effects. <i>Polymer Degradation and Stability</i> , 2018, 148, 56-66.	2.7	15
61	Poly( $\mu$ -caprolactone) and Poly( $\epsilon$ -pentadecalactone)-Based Networks with Two-Way Shape-Memory Effect through [2+2] Cycloaddition Reactions. <i>Macromolecular Chemistry and Physics</i> , 2018, 219, 1700345.	1.1	16
62	Multifunctional graphene/POSS epoxy resin tailored for aircraft lightning strike protection. <i>Composites Part B: Engineering</i> , 2018, 140, 44-56.	5.9	98
63	Reactive plasticization of poly(lactide) with epoxy functionalized cardanol. <i>Polymer Engineering and Science</i> , 2018, 58, E64.	1.5	7
64	Synthesis, characterization and stereocomplexation of polyamide 11/polylactide diblock copolymers. <i>European Polymer Journal</i> , 2018, 98, 83-93.	2.6	11
65	Novel Bio-based Flame Retardant Systems Derived from Tannic Acid. <i>Journal of Renewable Materials</i> , 2018, 6, 559-572.	1.1	30
66	A novel polyhedral oligomeric silsesquioxane-modified layered double hydroxide: preparation, characterization and properties. <i>Beilstein Journal of Nanotechnology</i> , 2018, 9, 3053-3068.	1.5	5
67	The influence of grafting on flow-induced crystallization and rheological properties of poly( $\mu$ -caprolactone)/cellulose nanocrystal nanocomposites. <i>Nanocomposites</i> , 2018, 4, 87-101.	2.2	13
68	<i>In situ</i> multiscale study of deformation heterogeneities in polylactide-based materials upon drawing: Influence of initial crystallinity and plasticization. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2018, 56, 1452-1468.	2.4	3
69	Poly(ethylene 2,5-furandicarboxylate- <i>mb</i> -poly(tetramethylene glycol)) multiblock copolymers: From high tough thermoplastics to elastomers. <i>Polymer</i> , 2018, 155, 89-98.	1.8	57
70	A benzoxazine/substituted borazine composite coating: A new resin for improving the corrosion resistance of the pristine benzoxazine coating applied on aluminum. <i>European Polymer Journal</i> , 2018, 109, 460-472.	2.6	11
71	Miscibility and Nanoparticle Diffusion in Ionic Nanocomposites. <i>Polymers</i> , 2018, 10, 1010.	2.0	15
72	Biobased Poly(ethylene-co-hexamethylene 2,5-furandicarboxylate) (PEHF) Copolyesters with Superior Tensile Properties. <i>Industrial &amp; Engineering Chemistry Research</i> , 2018, 57, 13094-13102.	1.8	43

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73	Improving the Performance of Batteries by Using Multi- $\pi$ -Pyrene PTMA Structures. <i>Batteries and Supercaps</i> , 2018, 1, 102-109.	2.4	18
74	Do Carbon Nanotubes Improve the Thermomechanical Properties of Benzoxazine Thermosets?. <i>ACS Applied Materials &amp; Interfaces</i> , 2018, 10, 26669-26677.	4.0	14
75	Crystallization and Stereocomplexation of PLA-mb-PBS Multi-Block Copolymers. <i>Polymers</i> , 2018, 10, 8.	2.0	15
76	Design of melt-recyclable poly( $\mu$ -caprolactone)-based supramolecular shape-memory nanocomposites. <i>RSC Advances</i> , 2018, 8, 27119-27130.	1.7	5
77	Fast IR-Actuated Shape-Memory Polymers Using in Situ Silver Nanoparticle-Grafted Cellulose Nanocrystals. <i>ACS Applied Materials &amp; Interfaces</i> , 2018, 10, 29933-29942.	4.0	66
78	Hydrolytic degradation of poly( $\epsilon$ -lactide)/poly(methyl methacrylate) blends. <i>Polymer International</i> , 2018, 67, 1393-1400.	1.6	13
79	Synthesis of Quercetin-Imprinted Polymer Spherical Particles with Improved Ability to Capture Quercetin Analogues. <i>Phytochemical Analysis</i> , 2017, 28, 289-296.	1.2	9
80	Macrocyclic P3HT Obtained by Intramolecular McMurry Coupling of Linear Bis-Aldehyde Polymer: A Direct Comparison with Linear Homologue. <i>Macromolecules</i> , 2017, 50, 1939-1949.	2.2	11
81	The Complex Amorphous Phase in Poly(butylene succinate- <i>co</i> -butylene azelate) Isodimorphic Copolyesters. <i>Macromolecules</i> , 2017, 50, 1569-1578.	2.2	34
82	Electroassisted Functionalization of Nitinol Surface, a Powerful Strategy for Polymer Coating through Controlled Radical Surface Initiation. <i>Langmuir</i> , 2017, 33, 2977-2985.	1.6	4
83	The effect of halloysite nanotubes and N,N'- ethylenebis (stearamide) on the properties of polylactide nanocomposites with amorphous matrix. <i>Polymer Testing</i> , 2017, 61, 35-45.	2.3	14
84	Tuning crystalline ordering by annealing and additives to study its effect on exciton diffusion in a polyalkylthiophene copolymer. <i>Physical Chemistry Chemical Physics</i> , 2017, 19, 12441-12451.	1.3	23
85	Dynamic Iminoboronate-Based Boroxine Chemistry for the Design of Ambient Humidity-Sensitive Self-Healing Polymers. <i>Chemistry - A European Journal</i> , 2017, 23, 6730-6735.	1.7	54
86	Bio-based flame retardants: When nature meets fire protection. <i>Materials Science and Engineering Reports</i> , 2017, 117, 1-25.	14.8	429
87	Competition between supernucleation and plasticization in the crystallization and rheological behavior of PCL/CNT-based nanocomposites and nanohybrids. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2017, 55, 1310-1325.	2.4	15
88	Bionanocomposites based on PLA and halloysite nanotubes: From key properties to photooxidative degradation. <i>Polymer Degradation and Stability</i> , 2017, 145, 60-69.	2.7	40
89	Preparation of Cellulose Nanocrystal-Reinforced Poly(lactic acid) Nanocomposites through Noncovalent Modification with PLLA-Based Surfactants. <i>ACS Omega</i> , 2017, 2, 2678-2688.	1.6	61
90	Potential of polymethacrylate pseudo crown ethers as solid state polymer electrolytes. <i>Chemical Communications</i> , 2017, 53, 6899-6902.	2.2	14

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91	Bilayer solvent and vapor-triggered actuators made of cross-linked polymer architectures via Diels-Alder pathways. <i>Journal of Materials Chemistry B</i> , 2017, 5, 5556-5563.	2.9	22
92	In-depth investigation on the effect and role of cardanol in the compatibilization of PLA/ABS immiscible blends by reactive extrusion. <i>European Polymer Journal</i> , 2017, 93, 272-283.	2.6	33
93	Ultra-stretchable ionic nanocomposites: from dynamic bonding to multi-responsive behavior. <i>Journal of Materials Chemistry A</i> , 2017, 5, 13357-13363.	5.2	31
94	Well-designed poly(3-hexylthiophene) as hole transporting material: A new opportunity for solid-state dye-sensitized solar cells. <i>Synthetic Metals</i> , 2017, 226, 157-163.	2.1	23
95	Shape-Memory Behavior of Polylactide/Silica Ionic Hybrids. <i>Macromolecules</i> , 2017, 50, 2896-2905.	2.2	43
96	Hydrolytic degradation of biobased poly(butylene succinate-co-furandicarboxylate) and poly(butylene adipate-co-furandicarboxylate) copolyesters under mild conditions. <i>Journal of Applied Polymer Science</i> , 2017, 134, .	1.3	24
97	PEGylated and Functionalized Aliphatic Polycarbonate Polyplex Nanoparticles for Intravenous Administration of HDAC5 siRNA in Cancer Therapy. <i>ACS Applied Materials &amp; Interfaces</i> , 2017, 9, 2181-2195.	4.0	21
98	Multiscale benzoxazine composites: The role of pristine CNTs as efficient reinforcing agents for high-performance applications. <i>Composites Part B: Engineering</i> , 2017, 112, 57-65.	5.9	23
99	The effect of halloysite nanotubes and N,N'-ethylenebis (stearamide) on morphology and properties of polylactide nanocomposites with crystalline matrix. <i>Polymer Testing</i> , 2017, 64, 83-91.	2.3	10
100	One-component Diels-Alder based polyurethanes: a unique way to self-heal. <i>RSC Advances</i> , 2017, 7, 48047-48053.	1.7	47
101	A new corrosion protection approach for aeronautical applications combining a Phenol-paraPhenyleneDiAmine benzoxazine resin applied on sulfo-tartaric anodized aluminum. <i>Progress in Organic Coatings</i> , 2017, 112, 278-287.	1.9	28
102	High molecular weight poly(butylene succinate-co-furandicarboxylate) with 10 mol% of BF unit: Synthesis, crystallization-melting behavior and mechanical properties. <i>European Polymer Journal</i> , 2017, 96, 248-255.	2.6	20
103	Modeling the formation and thermomechanical properties of polybenzoxazine thermosets. <i>Polymer Chemistry</i> , 2017, 8, 5988-5999.	1.9	30
104	Phytic acid-lignin combination: A simple and efficient route for enhancing thermal and flame retardant properties of polylactide. <i>European Polymer Journal</i> , 2017, 94, 270-285.	2.6	98
105	Hydrolytic and compost degradation of biobased PBSF and PBAF copolyesters with 40-60 mol% BF unit. <i>Polymer Degradation and Stability</i> , 2017, 146, 223-228.	2.7	36
106	On the Bioadhesive Properties of Silicone-Based Coatings by Incorporation of Block Copolymers. <i>Biologically-inspired Systems</i> , 2017, , 303-343.	0.4	0
107	Humidity-Activated Shape Memory Effects on Thermoplastic Starch/EVA Blends and Their Compatibilized Nanocomposites. <i>Macromolecular Chemistry and Physics</i> , 2017, 218, 1700388.	1.1	19
108	Resolving Inclusion Structure and Deformation Mechanisms in Polylactide Plasticized by Reactive Extrusion. <i>Macromolecular Materials and Engineering</i> , 2017, 302, 1700326.	1.7	15

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109	Poly(lactic acid)-Based Materials for Automotive Applications. <i>Advances in Polymer Science</i> , 2017, , 177-219.	0.4	26
110	Increased Surface Roughness in Polydimethylsiloxane Films by Physical and Chemical Methods. <i>Polymers</i> , 2017, 9, 331.	2.0	34
111	Regioregular Polythiophene- <i>Por</i> phyrin Supramolecular Copolymers for Optoelectronic Applications. <i>Macromolecular Chemistry and Physics</i> , 2016, 217, 445-458.	1.1	14
112	Effect of ultrafine talc on crystallization and end-use properties of poly(3-hydroxybutyrate-co-3-hydroxyhexanoate). <i>Journal of Applied Polymer Science</i> , 2016, 133, .	1.3	14
113	Water-dispersive PLA-based materials: from reactive melt processing to properties. <i>Polymers for Advanced Technologies</i> , 2016, 27, 61-65.	1.6	1
114	Poly(3-hydroxybutyrate-co-3-hydroxyhexanoate)/Organomodified Montmorillonite Nanocomposites for Potential Food Packaging Applications. <i>Journal of Polymers and the Environment</i> , 2016, 24, 104-118.	2.4	40
115	Green and Efficient Synthesis of Dispersible Cellulose Nanocrystals in Biobased Polyesters for Engineering Applications. <i>ACS Sustainable Chemistry and Engineering</i> , 2016, 4, 2517-2527.	3.2	58
116	Epoxy Monomers Cured by High Cellulosic Nanocrystal Loading. <i>ACS Applied Materials &amp; Interfaces</i> , 2016, 8, 10535-10544.	4.0	31
117	PLA composites: From production to properties. <i>Advanced Drug Delivery Reviews</i> , 2016, 107, 17-46.	6.6	651
118	Synthesis of Polyphthalaldehyde-Based Block Copolymers: Utilization of a Thermo-Sacrificial Segment for an Easy Access to Fine-Tuned Poly(3-hexylthiophene) Nanostructured Films. <i>Macromolecules</i> , 2016, 49, 3001-3008.	2.2	16
119	Thermal curing of para-phenylenediamine benzoxazine for barrier coating applications on 1050 aluminum alloys. <i>Progress in Organic Coatings</i> , 2016, 97, 99-109.	1.9	29
120	Shape-memory polymers for multiple applications in the materials world. <i>European Polymer Journal</i> , 2016, 80, 268-294.	2.6	260
121	Click reactive microgels as a strategy towards chemically injectable hydrogels. <i>Polymer Chemistry</i> , 2016, 7, 6752-6760.	1.9	12
122	Phosphorus and nitrogen derivatization as efficient route for improvement of lignin flame retardant action in PLA. <i>European Polymer Journal</i> , 2016, 84, 652-667.	2.6	139
123	Application of SSA thermal fractionation and X-ray diffraction to elucidate comonomer inclusion or exclusion from the crystalline phases in poly(butylene succinate-ran-butylene azelate) random copolymers. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2016, 54, 2346-2358.	2.4	25
124	Acid-free extraction of cellulose type I nanocrystals using Brønsted acid-type ionic liquids. <i>Nanocomposites</i> , 2016, 2, 65-75.	2.2	29
125	Design of New Cardanol Derivative: Synthesis and Application as Potential Biobased Plasticizer for Poly(lactide). <i>Macromolecular Materials and Engineering</i> , 2016, 301, 1267-1278.	1.7	10
126	Multiresponsive Shape Memory Blends and Nanocomposites Based on Starch. <i>ACS Applied Materials &amp; Interfaces</i> , 2016, 8, 19197-19201.	4.0	40



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127	Binary Mixed Homopolymer Brushes Tethered to Cellulose Nanocrystals: A Step Towards Compatibilized Polyester Blends. <i>Biomacromolecules</i> , 2016, 17, 3048-3059.	2.6	22
128	Chavicol benzoxazine: Ultrahigh Tg biobased thermoset with tunable extended network. <i>European Polymer Journal</i> , 2016, 81, 337-346.	2.6	73
129	Metal-free anti-biofouling coatings: the preparation of silicone-based nanostructured coatings via purely organic catalysis. <i>Nanocomposites</i> , 2016, 2, 51-57.	2.2	4
130	The role of PLLA-g-montmorillonite nanohybrids in the acceleration of the crystallization rate of a commercial PLA. <i>CrystEngComm</i> , 2016, 18, 9334-9344.	1.3	19
131	DBU-catalyzed biobased poly(ethylene 2,5-furandicarboxylate) polyester with rapid melt crystallization: synthesis, crystallization kinetics and melting behavior. <i>RSC Advances</i> , 2016, 6, 101578-101586.	1.7	45
132	Toward "Green" Hybrid Materials: Core-Shell Particles with Enhanced Impact Energy Absorbing Ability. <i>ACS Sustainable Chemistry and Engineering</i> , 2016, 4, 3757-3765.	3.2	7
133	Arbutin-based benzoxazine: en route to an intrinsic water soluble biobased resin. <i>Green Chemistry</i> , 2016, 18, 4954-4960.	4.6	70
134	Design of highly tough poly(lactide)-based ternary blends for automotive applications. <i>Journal of Applied Polymer Science</i> , 2016, 133, .	1.3	39
135	High performance bio-based benzoxazine networks from resorcinol and hydroquinone. <i>European Polymer Journal</i> , 2016, 75, 486-494.	2.6	62
136	From cylindrical to spherical nanosized micelles by self-assembly of poly(dimethylsiloxane)-b-poly(acrylic acid) diblock copolymers. <i>Polymer Bulletin</i> , 2016, 73, 2129-2146.	1.7	1
137	Poly(2-ethyl-2-oxazoline)-block-polycarbonate block copolymers: from improved end-group control in poly(2-oxazoline)s to chain extension with aliphatic polycarbonate through a fully metal-free ring-opening polymerisation process. <i>Polymer Chemistry</i> , 2016, 7, 1559-1568.	1.9	31
138	Cellulose/phosphorus combinations for sustainable fire retarded polylactide. <i>European Polymer Journal</i> , 2016, 74, 218-228.	2.6	69
139	Healing by the Joule effect of electrically conductive poly(ester-urethane)/carbon nanotube nanocomposites. <i>Journal of Materials Chemistry A</i> , 2016, 4, 4089-4097.	5.2	75
140	Free-Radical-Induced Grafting from Plasma Polymer Surfaces. <i>Chemical Reviews</i> , 2016, 116, 3975-4005.	23.0	168
141	Active and passive protection of AA2024-T3 by a hybrid inhibitor doped mesoporous sol-gel and top coating system. <i>Surface and Coatings Technology</i> , 2016, 303, 352-361.	2.2	30
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