Philippe Dubois

List of Publications by Year in descending order

678 papers	45,612 citations	1990 101 h-index	3647 180 g-index
708 all docs	708 docs citations	708 times ranked	29172 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	Catalystâ€free reprocessable crosslinked biobased <scp>polybenzoxazineâ€polyurethane</scp> 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)â€“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	Phosphoniumâ€based polythiophene conjugated polyelectrolytes with different surfactant counterions: thermal properties, selfâ€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)â€“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	Scratchâ€Healing Surfaceâ€Attached Coatings from Metallo â€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 â€œShort-Longâ€•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)â€“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(Îµâ€•caprolactone) blends. Journal of Applied Polymer Science, 2020, 137, 48812.	1.3	5
20	Development of Inherently Flameâ€”Retardant Phosphorylated PLA by Combination of Ring-Opening Polymerization and Reactive Extrusion. Materials, 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. ACS Applied Polymer Materials, 2020, 2, 3766-3780.	2.0	12
22	Curing Kinetics and Thermal Stability of Epoxy Composites Containing Newly Obtained Nano-Scale Aluminum Hypophosphite (AlPO2). Polymers, 2020, 12, 644.	2.0	47
23	Modification of poly(ethylene 2,5-furandicarboxylate) with aliphatic polycarbonate diols: 1. Randomnized copolymers with significantly improved ductility and high CO2 barrier performance. European Polymer Journal, 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. Nanotechnology, 2020, 31, 225708.	1.3	41
25	Interphase Design of Cellulose Nanocrystals/Poly(hydroxybutyrate-ran-valerate) Bionanocomposites for Mechanical and Thermal Properties Tuning. Biomacromolecules, 2020, 21, 1892-1901.	2.6	17
26	Cerium Salts: An Efficient Curing Catalyst for Benzoxazine Based Coatings. Polymers, 2020, 12, 415.	2.0	9
27	Selfâ€Healing Metalloâ€Supramolecular Amphiphilic Polymer Conetworks. Macromolecular Chemistry and Physics, 2020, 221, 1900432.	1.1	17
28	In Depth Analysis of Photovoltaic Performance of Chlorophyll Derivative-Based â€œAll Solid-Stateâ€• Dye-Sensitized Solar Cells. Molecules, 2020, 25, 198.	1.7	10
29	Advances in intrinsic self-healing polyurethanes and related composites. RSC Advances, 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	1.1	10
31	Melt-processing of cellulose nanofibril/polylactide bionanocomposites via a sustainable polyethylene glycol-based carrier system. Carbohydrate Polymers, 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. International Journal of Pharmaceutics, 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 [(2 121, 109266.	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 121863.	1.8	27
35	Nano-engineering and micromolecular science of polysilsesquioxane materials and their emerging applications. Journal of Materials Chemistry A, 2019, 7, 21577-21604.	5.2	64
36	Positive effect of functional side groups on the structure and properties of benzoxazine networks and nanocomposites. Polymer Chemistry, 2019, 10, 5251-5264.	1.9	8

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37	Curing epoxy with polyethylene glycol (PEG) surface-functionalized NixFe3-xO4magnetic nanoparticles. Progress in Organic Coatings, 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 Boronâ€“Nitrogenâ€“Carbon Hybrids: From Azo-borazines to Polymeric Materials. Journal of Organic Chemistry, 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. RSC Advances, 2019, 9, 16819-16830.	1.7	10
41	Hierarchical chemomechanical encoding of multi-responsive hydrogel actuators via 3D printing. Journal of Materials Chemistry A, 2019, 7, 15395-15403.	5.2	73
42	Increased sea ice cover alters food web structure in East Antarctica. Scientific Reports, 2019, 9, 8062.	1.6	29
43	Synthesis and properties of a P3HT-based ABA triblock copolymer containing a perfluoropolyether central segment. Synthetic Metals, 2019, 252, 127-134.	2.1	9
44	Biomimetic Water-Responsive Self-Healing Epoxy with Tunable Properties. ACS Applied Materials & Interfaces, 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. Polymer Chemistry, 2019, 10, 2570-2578.	1.9	11
46	Simple Approach for a Self-Healable and Stiff Polymer Network from Iminoboronate-Based Boroxine Chemistry. Chemistry of Materials, 2019, 31, 3736-3744.	3.2	87
47	A quantitative determination of the polymerization of benzoxazine thin coatings by timeâ€ofâ€flight secondary ion mass spectrometry. Surface and Interface Analysis, 2019, 51, 674-680.	0.8	3
48	A dual approach to compatibilize PLA/ABS immiscible blends with epoxidized cardanol derivatives. European Polymer Journal, 2019, 114, 118-126.	2.6	26
49	Mechanistic Insights on Spontaneous Moisture-Driven Healing of Urea-Based Polyurethanes. ACS Applied Materials & Interfaces, 2019, 11, 46176-46182.	4.0	18
50	Reactive Extrusion and Magnesium (II) N-Heterocyclic Carbene Catalyst in Continuous PLA Production. Polymers, 2019, 11, 1987.	2.0	5
51	Melt-processing of bionanocomposites based on ethylene-co-vinyl acetate and starch nanocrystals. Carbohydrate Polymers, 2019, 208, 382-390.	5.1	20
52	Highâ€Performance Bioâ€Based Benzoxazines from Enzymatic Synthesis of Diphenols. Macromolecular Chemistry and Physics, 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 O₂ Barrier Property. Biomacromolecules, 2019, 20, 353-364.	2.6	92
54	Thermal and composting degradation of EVA/Thermoplastic starch blends and their nanocomposites. Polymer Degradation and Stability, 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. Soft Matter, 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. Polymer Degradation and Stability, 2018, 152, 126-138.	2.7	81
57	Cidaroids spines facing ocean acidification. Marine Environmental Research, 2018, 138, 9-18.	1.1	5
58	Supramolecular Approach for Efficient Processing of Polylactide/Starch Nanocomposites. ACS Omega, 2018, 3, 1069-1080.	1.6	10
59	Peculiar effect of stereocomplexes on the photochemical ageing of PLA/PMMA blends. Polymer Degradation and Stability, 2018, 150, 92-104.	2.7	10
60	Crystallization kinetics of polylactide: Reactive plasticization and reprocessing effects. Polymer Degradation and Stability, 2018, 148, 56-66.	2.7	15
61	Poly(Îµâ€caprolactone) and Poly(Ï‰â€pentadecalactone)â€Based Networks with Twoâ€Way Shapeâ€Memory Effect through [2+2] Cycloaddition Reactions. Macromolecular Chemistry and Physics, 2018, 219, 1700345.	1.1	16
62	Multifunctional graphene/POSS epoxy resin tailored for aircraft lightning strike protection. Composites Part B: Engineering, 2018, 140, 44-56.	5.9	98
63	Reactive plasticization of poly(lactide) with epoxy functionalized cardanol. Polymer Engineering and Science, 2018, 58, E64.	1.5	7
64	Synthesis, characterization and stereocomplexation of polyamide 11/polylactide diblock copolymers. European Polymer Journal, 2018, 98, 83-93.	2.6	11
65	Novel Bio-based Flame Retardant Systems Derived from Tannic Acid. Journal of Renewable Materials, 2018, 6, 559-572.	1.1	30
66	A novel polyhedral oligomeric silsesquioxane-modified layered double hydroxide: preparation, characterization and properties. Beilstein Journal of Nanotechnology, 2018, 9, 3053-3068.	1.5	5
67	The influence of grafting on flow-induced crystallization and rheological properties of poly(Îµ-caprolactone)/cellulose nanocrystal nanocomposites. Nanocomposites, 2018, 4, 87-101.	2.2	13
68	In situ multiscale study of deformation heterogeneities in polylactideâ€based materials upon drawing: Influence of initial crystallinity and plasticization. Journal of Polymer Science, Part B: Polymer Physics, 2018, 56, 1452-1468.	2.4	3
69	Poly(ethylene 2,5-furandicarboxylate-mb-poly(tetramethylene glycol)) multiblock copolymers: From high tough thermoplastics to elastomers. Polymer, 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. European Polymer Journal, 2018, 109, 460-472.	2.6	11
71	Miscibility and Nanoparticle Diffusion in Ionic Nanocomposites. Polymers, 2018, 10, 1010.	2.0	15
72	Biobased Poly(ethylene-co-hexamethylene 2,5-furandicarboxylate) (PEHF) Copolyesters with Superior Tensile Properties. Industrial & Engineering Chemistry Research, 2018, 57, 13094-13102.	1.8	43

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73	Improving the Performance of Batteries by Using Multiâ€Pyrene PTMA Structures. Batteries and Supercaps, 2018, 1, 102-109.	2.4	18
74	Do Carbon Nanotubes Improve the Thermomechanical Properties of Benzoxazine Thermosets?. ACS Applied Materials & Interfaces, 2018, 10, 26669-26677.	4.0	14
75	Crystallization and Stereocomplexation of PLA-mb-PBS Multi-Block Copolymers. Polymers, 2018, 10, 8.	2.0	15
76	Design of melt-recyclable poly(Îµ-caprolactone)-based supramolecular shape-memory nanocomposites. RSC Advances, 2018, 8, 27119-27130.	1.7	5
77	Fast IR-Actuated Shape-Memory Polymers Using in Situ Silver Nanoparticle-Grafted Cellulose Nanocrystals. ACS Applied Materials & Interfaces, 2018, 10, 29933-29942.	4.0	66
78	Hydrolytic degradation of poly(<scp>l</scp>â€lactic acid)/poly(methyl methacrylate) blends. Polymer International, 2018, 67, 1393-1400.	1.6	13
79	Synthesis of Quercetinâ€imprinted Polymer Spherical Particles with Improved Ability to Capture Quercetin Analogues. Phytochemical Analysis, 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. Macromolecules, 2017, 50, 1939-1949.	2.2	11
81	The Complex Amorphous Phase in Poly(butylene succinate-ran-butylene azelate) Isodimorphic Copolyesters. Macromolecules, 2017, 50, 1569-1578.	2.2	34
82	Electroassisted Functionalization of Nitinol Surface, a Powerful Strategy for Polymer Coating through Controlled Radical Surface Initiation. Langmuir, 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. Polymer Testing, 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. Physical Chemistry Chemical Physics, 2017, 19, 12441-12451.	1.3	23
85	Dynamic Iminoboronateâ€Based Boroxine Chemistry for the Design of Ambient Humidityâ€Sensitive Selfâ€Healing Polymers. Chemistry - A European Journal, 2017, 23, 6730-6735.	1.7	54
86	Bio-based flame retardants: When nature meets fire protection. Materials Science and Engineering Reports, 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. Journal of Polymer Science, Part B: Polymer Physics, 2017, 55, 1310-1325.	2.4	15
88	Bionanocomposites based on PLA and halloysite nanotubes: From key properties to photooxidative degradation. Polymer Degradation and Stability, 2017, 145, 60-69.	2.7	40
89	Preparation of Cellulose Nanocrystal-Reinforced Poly(lactic acid) Nanocomposites through Noncovalent Modification with PLLA-Based Surfactants. ACS Omega, 2017, 2, 2678-2688.	1.6	61
90	Potential of polymethacrylate pseudo crown ethers as solid state polymer electrolytes. Chemical Communications, 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 Dielsâ€“Alder pathways. Journal of Materials Chemistry B, 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. European Polymer Journal, 2017, 93, 272-283.	2.6	33
93	Ultra-stretchable ionic nanocomposites: from dynamic bonding to multi-responsive behavior. Journal of Materials Chemistry A, 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. Synthetic Metals, 2017, 226, 157-163.	2.1	23
95	Shape-Memory Behavior of Polylactide/Silica Ionic Hybrids. Macromolecules, 2017, 50, 2896-2905.	2.2	43
96	Hydrolytic degradation of biobased poly(butylene succinateâ€coâ€furandicarboxylate) and poly(butylene adipateâ€coâ€furandicarboxylate) copolyesters under mild conditions. Journal of Applied Polymer Science, 2017, 134, .	1.3	24
97	PEGylated and Functionalized Aliphatic Polycarbonate Polyplex Nanoparticles for Intravenous Administration of HDAC5 siRNA in Cancer Therapy. ACS Applied Materials & Interfaces, 2017, 9, 2181-2195.	4.0	21
98	Multiscale benzoxazine composites: The role of pristine CNTs as efficient reinforcing agents for high-performance applications. Composites Part B: Engineering, 2017, 112, 57-65.	5.9	23
99	The effect of halloysite nanotubes and N,Nâ€²-ethylenebis (stearamide) on morphology and properties of polylactide nanocomposites with crystalline matrix. Polymer Testing, 2017, 64, 83-91.	2.3	10
100	One-component Dielsâ€“Alder based polyurethanes: a unique way to self-heal. RSC Advances, 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. Progress in Organic Coatings, 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. European Polymer Journal, 2017, 96, 248-255.	2.6	20
103	Modeling the formation and thermomechanical properties of polybenzoxazine thermosets. Polymer Chemistry, 2017, 8, 5988-5999.	1.9	30
104	Phytic acidâ€“lignin combination: A simple and efficient route for enhancing thermal and flame retardant properties of polylactide. European Polymer Journal, 2017, 94, 270-285.	2.6	98
105	Hydrolytic and compost degradation of biobased PBSF and PBAF copolyesters with 40â€“60Âmol% BF unit. Polymer Degradation and Stability, 2017, 146, 223-228.	2.7	36
106	On the Bioadhesive Properties of Silicone-Based Coatings by Incorporation of Block Copolymers. Biologically-inspired Systems, 2017, , 303-343.	0.4	0
107	Humidityâ€Activated Shape Memory Effects on Thermoplastic Starch/EVA Blends and Their Compatibilized Nanocomposites. Macromolecular Chemistry and Physics, 2017, 218, 1700388.	1.1	19
108	Resolving Inclusion Structure and Deformation Mechanisms in Polylactide Plasticized by Reactive Extrusion. Macromolecular Materials and Engineering, 2017, 302, 1700326.	1.7	15

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109	Poly(lactic acid)-Based Materials for Automotive Applications. Advances in Polymer Science, 2017, , 177-219.	0.4	26
110	Increased Surface Roughness in Polydimethylsiloxane Films by Physical and Chemical Methods. Polymers, 2017, 9, 331.	2.0	34
111	Regioregular Polythiopheneâ€“Porphyrin Supramolecular Copolymers for Optoelectronic Applications. Macromolecular Chemistry and Physics, 2016, 217, 445-458.	1.1	14
112	Effect of ultrafine talc on crystallization and endâ€use properties of poly(3â€hydroxybutyrateâ€coâ€3â€hydroxyhexanoate). Journal of Applied Polymer Science, 2016, 133, .	1.3	14
113	Waterâ€dispersive PLAâ€based materials: from reactive melt processing to properties. Polymers for Advanced Technologies, 2016, 27, 61-65.	1.6	1
114	Poly(3-hydroxybutyrate-co-3-hydroxyhexanoate)/Organomodified Montmorillonite Nanocomposites for Potential Food Packaging Applications. Journal of Polymers and the Environment, 2016, 24, 104-118.	2.4	40
115	Green and Efficient Synthesis of Dispersible Cellulose Nanocrystals in Biobased Polyesters for Engineering Applications. ACS Sustainable Chemistry and Engineering, 2016, 4, 2517-2527.	3.2	58
116	Epoxy Monomers Cured by High Cellulosic Nanocrystal Loading. ACS Applied Materials & Interfaces, 2016, 8, 10535-10544.	4.0	31
117	PLA composites: From production to properties. Advanced Drug Delivery Reviews, 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. Macromolecules, 2016, 49, 3001-3008.	2.2	16
119	Thermal curing of para -phenylenediamine benzoxazine for barrier coating applications on 1050 aluminum alloys. Progress in Organic Coatings, 2016, 97, 99-109.	1.9	29
120	Shape-memory polymers for multiple applications in the materials world. European Polymer Journal, 2016, 80, 268-294.	2.6	260
121	Click reactive microgels as a strategy towards chemically injectable hydrogels. Polymer Chemistry, 2016, 7, 6752-6760.	1.9	12
122	Phosphorus and nitrogen derivatization as efficient route for improvement of lignin flame retardant action in PLA. European Polymer Journal, 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. Journal of Polymer Science, Part B: Polymer Physics, 2016, 54, 2346-2358.	2.4	25
124	Acid-free extraction of cellulose type I nanocrystals using BrÃ¸nsted acid-type ionic liquids. Nanocomposites, 2016, 2, 65-75.	2.2	29
125	Design of New Cardanol Derivative: Synthesis and Application as Potential Biobased Plasticizer for Poly(lactide). Macromolecular Materials and Engineering, 2016, 301, 1267-1278.	1.7	10
126	Multiresponsive Shape Memory Blends and Nanocomposites Based on Starch. ACS Applied Materials & Interfaces, 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. Biomacromolecules, 2016, 17, 3048-3059.	2.6	22
128	Chavicol benzoxazine: Ultrahigh Tg biobased thermoset with tunable extended network. European Polymer Journal, 2016, 81, 337-346.	2.6	73
129	Metal-free anti-biofouling coatings: the preparation of silicone-based nanostructured coatings via purely organic catalysis. Nanocomposites, 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. CrystEngComm, 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. RSC Advances, 2016, 6, 101578-101586.	1.7	45
132	Toward â€œGreenâ€•Hybrid Materials: Coreâ€“Shell Particles with Enhanced Impact Energy Absorbing Ability. ACS Sustainable Chemistry and Engineering, 2016, 4, 3757-3765.	3.2	7
133	Arbutin-based benzoxazine: en route to an intrinsic water soluble biobased resin. Green Chemistry, 2016, 18, 4954-4960.	4.6	70
134	Design of highly tough poly(<scp>l</scp>â€‘lactide)â€‘based ternary blends for automotive applications. Journal of Applied Polymer Science, 2016, 133, .	1.3	39
135	High performance bio-based benzoxazine networks from resorcinol and hydroquinone. European Polymer Journal, 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. Polymer Bulletin, 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. Polymer Chemistry, 2016, 7, 1559-1568.	1.9	31
138	Cellulose/phosphorus combinations for sustainable fire retarded polylactide. European Polymer Journal, 2016, 74, 218-228.	2.6	69
139	Healing by the Joule effect of electrically conductive poly(ester-urethane)/carbon nanotube nanocomposites. Journal of Materials Chemistry A, 2016, 4, 4089-4097.	5.2	75
140	Free-Radical-Induced Grafting from Plasma Polymer Surfaces. Chemical Reviews, 2016, 116, 3975-4005.	23.0	168
141	Active and passive protection of AA2024-T3 by a hybrid inhibitor doped mesoporous solâ€“gel and top coating system. Surface and Coatings Technology, 2016, 303, 352-361.	2.2	30
142	Compatibilization of co-plasticized cellulose acetate/water soluble polymers blends by reactive extrusion. Polymer Degradation and Stability, 2016, 126, 31-38.	2.7	18
143	Expanding the light absorption of poly(3-hexylthiophene) by end-functionalization with Ï€-extended porphyrins. Chemical Communications, 2016, 52, 171-174.	2.2	13
144	Biobased poly(lactides)/poly(methyl methacrylate) blends: A perfect association for durable and smart applications?. AIP Conference Proceedings, 2015, , .	0.3	6

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145	Current progress in the production of PLAâ€“ZnO nanocomposites: Beneficial effects of chain extender addition on key properties. Journal of Applied Polymer Science, 2015, 132, .	1.3	58
146	Crystallizationâ€induced toughness of rubberâ€modified polylactide: combined effects of biodegradable impact modifier and effective nucleating agent. Polymers for Advanced Technologies, 2015, 26, 814-822.	1.6	22
147	The outstanding ability of nanosilica to stabilize dispersions of Nylon 6 droplets in a polypropylene matrix. Journal of Polymer Science, Part B: Polymer Physics, 2015, 53, 1567-1579.	2.4	22
148	Strain-induced deformation mechanisms of polylactide plasticized with acrylated poly(ethylene) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 62	1.6	11
149	In situ IR Spectroscopy as a Tool to Better Understand the Growth Mechanisms of Plasma Polymers Thin Films. Plasma Processes and Polymers, 2015, 12, 1200-1207.	1.6	8
150	Polyethylene-polyaniline Nanofiber Composites: Evaluation of Experimental Conditions of in situ Polymerization. Materials Research, 2015, 18, 121-126.	0.6	3
151	Metallic phytates as efficient bio-based phosphorous flame retardant additives for poly(lactic acid). Polymer Degradation and Stability, 2015, 119, 217-227.	2.7	97
152	Recent advances in production of poly(lactic acid) (PLA) nanocomposites: a versatile method to tune crystallization properties of PLA. Nanocomposites, 2015, 1, 71-82.	2.2	63
153	Deposition of porous titanium oxide thin films as anode material for dye sensitized solar cells. Vacuum, 2015, 114, 213-220.	1.6	27
154	Mechanistic insights on nanosilica self-networking inducing ultra-toughness of rubber-modified polylactide-based materials. Nanocomposites, 2015, 1, 113-125.	2.2	13
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