

Philippe Dubois

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

695 papers	39,247 citations	95 h-index	168 g-index
708 ext. papers	42,096 ext. citations	5.2 avg, IF	7.55 L-index

#	Paper	IF	Citations
695	Reactive extrusion (REx): Using chemistry and engineering to solve the problem of ocean plastics. <i>Engineering</i> , 2022 ,	9.7	0
694	Lignin as a flame retardant for biopolymers 2022 , 173-202		0
693	Aliphatic polycarbonate modified poly(ethylene furandicarboxylate) materials with improved ductility, toughness and high CO2 barrier performance. <i>Polymer</i> , 2022 , 246, 124751	3.9	1
692	Valorization of Recycled Tire Rubber for 3D Printing of ABS- and TPO-Based Composites. <i>Materials</i> , 2021 , 14,	3.5	3
691	Solvent-Free Design of Biobased Non-isocyanate Polyurethanes with Ferroelectric Properties. <i>ACS Sustainable Chemistry and Engineering</i> , 2021 , 9, 14946-14958	8.3	1
690	Flame retardant polymer materials: An update and the future for 3D printing developments. <i>Materials Science and Engineering Reports</i> , 2021 , 144, 100604	30.9	52
689	Adding Value in Production of Multifunctional Polylactide (PLA)-ZnO Nanocomposite Films through Alternative Manufacturing Methods. <i>Molecules</i> , 2021 , 26,	4.8	5
688	Phosphonium-based polythiophene conjugated polyelectrolytes with different surfactant counterions: thermal properties, self-assembly and photovoltaic performances. <i>Polymer International</i> , 2021 , 70, 457-466	3.3	3
687	Development of Low-Viscosity and High-Performance Biobased Monobenzoxazine from Tyrosol and Furfurylamine. <i>Materials</i> , 2021 , 14,	3.5	3
686	Nanocomposites based on ethylene vinyl acetate reinforced with different types of nanoparticles: potential applications 2021 , 357-377		
685	Recycled Tire Rubber in Additive Manufacturing: Selective Laser Sintering for Polymer-Ground Rubber Composites. <i>Applied Sciences (Switzerland)</i> , 2021 , 11, 8778	2.6	3
684	Scratch-Healing Surface-Attached Coatings from Metallo-Supramolecular Polymer Conetworks. <i>Macromolecular Chemistry and Physics</i> , 2021 , 222, 2000331	2.6	4
683	Potentially Biodegradable Short-Long Type Diol-Diacid Polyesters with Superior Crystallizability, Tensile Modulus, and Water Vapor Barrier. <i>ACS Sustainable Chemistry and Engineering</i> , 2021 , 9, 17362-17370	8.3	1
682	Curing Kinetics and Thermal Stability of Epoxy Composites Containing Newly Obtained Nano-Scale Aluminum Hypophosphite (AlPO). <i>Polymers</i> , 2020 , 12,	4.5	34
681	Modification of poly(ethylene 2,5-furandicarboxylate) with aliphatic polycarbonate diols: 1. Randomized copolymers with significantly improved ductility and high CO2 barrier performance. <i>European Polymer Journal</i> , 2020 , 134, 109856	5.2	6
680	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	3.4	23
679	Interphase Design of Cellulose Nanocrystals/Poly(hydroxybutyrate--valerate) Bionanocomposites for Mechanical and Thermal Properties Tuning. <i>Biomacromolecules</i> , 2020 , 21, 1892-1901	6.9	13

678	Cerium Salts: An Efficient Curing Catalyst for Benzoxazine Based Coatings. <i>Polymers</i> , 2020 , 12,	4.5	5
677	Self-Healing Metallo-Supramolecular Amphiphilic Polymer Conetworks. <i>Macromolecular Chemistry and Physics</i> , 2020 , 221, 1900432	2.6	13
676	In Depth Analysis of Photovoltaic Performance of Chlorophyll Derivative-Based "All Solid-State" Dye-Sensitized Solar Cells. <i>Molecules</i> , 2020 , 25,	4.8	6
675	Advances in intrinsic self-healing polyurethanes and related composites.. <i>RSC Advances</i> , 2020 , 10, 13766-13782	3.7	31
674	Impact of organoclays on the phase morphology and the compatibilization efficiency of immiscible poly(ethylene terephthalate)/poly(ε-caprolactone) blends. <i>Journal of Applied Polymer Science</i> , 2020 , 137, 48812	2.9	1
673	Multi-responsive Polymer Actuators by Thermo-reversible Chemistry 2020 , 277-306		
672	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	4.3	5
671	Thermal degradation of poly(lactic acid)/zeolite composites produced by melt-blending. <i>Polymer Bulletin</i> , 2020 , 77, 2111-2137	2.4	7
670	Nano-engineering and micromolecular science of polysilsesquioxane materials and their emerging applications. <i>Journal of Materials Chemistry A</i> , 2019 , 7, 21577-21604	13	34
669	Positive effect of functional side groups on the structure and properties of benzoxazine networks and nanocomposites. <i>Polymer Chemistry</i> , 2019 , 10, 5251-5264	4.9	3
668	Curing epoxy with polyethylene glycol (PEG) surface-functionalized NiFe ₃ -xO ₄ magnetic nanoparticles. <i>Progress in Organic Coatings</i> , 2019 , 136, 105250	4.8	18
667	A Comparative Study of the Electro-Assisted Grafting of Mono- and Bi-Phosphonic Acids on Nitinol. <i>Surfaces</i> , 2019 , 2, 520-530	2.9	
666	Photoactive Boron-Nitrogen-Carbon Hybrids: From Azo-borazines to Polymeric Materials. <i>Journal of Organic Chemistry</i> , 2019 , 84, 9101-9116	4.2	6
665	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	3.7	6
664	Hierarchical chemomechanical encoding of multi-responsive hydrogel actuators via 3D printing. <i>Journal of Materials Chemistry A</i> , 2019 , 7, 15395-15403	13	40
663	Increased sea ice cover alters food web structure in East Antarctica. <i>Scientific Reports</i> , 2019 , 9, 8062	4.9	16
662	Synthesis and properties of a P3HT-based ABA triblock copolymer containing a perfluoropolyether central segment. <i>Synthetic Metals</i> , 2019 , 252, 127-134	3.6	6
661	Biomimetic Water-Responsive Self-Healing Epoxy with Tunable Properties. <i>ACS Applied Materials & Interfaces</i> , 2019 , 11, 17853-17862	9.5	28

660	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	4.9	6
659	Simple Approach for a Self-Healable and Stiff Polymer Network from Iminoboronate-Based Boroxine Chemistry. <i>Chemistry of Materials</i> , 2019 , 31, 3736-3744	9.6	50
658	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	1.5	3
657	Synergistic flame-retardant effect between lignin and magnesium hydroxide in poly(ethylene-co-vinyl acetate) 2019 , 2, 9-18		8
656	Melt-processing of cellulose nanofibril/polylactide bionanocomposites via a sustainable polyethylene glycol-based carrier system. <i>Carbohydrate Polymers</i> , 2019 , 224, 115188	10.3	8
655	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	6.5	29
654	In-situ synthesis, thermal and mechanical properties of biobased poly(ethylene 2,5-furandicarboxylate)/montmorillonite (PEF/MMT) nanocomposites. <i>European Polymer Journal</i> , 2019 , 121, 109266	5.2	12
653	Tailoring the isothermal crystallization kinetics of isodimorphic poly (butylene succinate-ran-butylene azelate) random copolymers by changing composition. <i>Polymer</i> , 2019 , 183, 121863	2.9	15
652	Development of Inherently Flame-Retardant Phosphorylated PLA by Combination of Ring-Opening Polymerization and Reactive Extrusion. <i>Materials</i> , 2019 , 13,	3.5	10
651	A dual approach to compatibilize PLA/ABS immiscible blends with epoxidized cardanol derivatives. <i>European Polymer Journal</i> , 2019 , 114, 118-126	5.2	15
650	Mechanistic Insights on Spontaneous Moisture-Driven Healing of Urea-Based Polyurethanes. <i>ACS Applied Materials & Interfaces</i> , 2019 , 11, 46176-46182	9.5	8
649	Reactive Extrusion and Magnesium (II) -Heterocyclic Carbene Catalyst in Continuous PLA Production. <i>Polymers</i> , 2019 , 11,	4.5	2
648	Melt-processing of bionanocomposites based on ethylene-co-vinyl acetate and starch nanocrystals. <i>Carbohydrate Polymers</i> , 2019 , 208, 382-390	10.3	11
647	High-Performance Bio-Based Benzoxazines from Enzymatic Synthesis of Diphenols. <i>Macromolecular Chemistry and Physics</i> , 2019 , 220, 1800312	2.6	26
646	Modification of Poly(ethylene 2,5-furandicarboxylate) with Biobased 1,5-Pentanediol: Significantly Toughened Copolyesters Retaining High Tensile Strength and O Barrier Property. <i>Biomacromolecules</i> , 2019 , 20, 353-364	6.9	58
645	Thermal and composting degradation of EVA/Thermoplastic starch blends and their nanocomposites. <i>Polymer Degradation and Stability</i> , 2019 , 159, 184-198	4.7	30
644	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	3.6	26
643	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	4.7	53

642	Cidaroids spines facing ocean acidification. <i>Marine Environmental Research</i> , 2018 , 138, 9-18	3.3	5
641	Supramolecular Approach for Efficient Processing of Polylactide/Starch Nanocomposites. <i>ACS Omega</i> , 2018 , 3, 1069-1080	3.9	8
640	Peculiar effect of stereocomplexes on the photochemical ageing of PLA/PMMA blends. <i>Polymer Degradation and Stability</i> , 2018 , 150, 92-104	4.7	5
639	Functionalization of P3HT-Based Hybrid Materials for Photovoltaic Applications 2018 , 107-177		0
638	Crystallization kinetics of polylactide: Reactive plasticization and reprocessing effects. <i>Polymer Degradation and Stability</i> , 2018 , 148, 56-66	4.7	7
637	Poly(Ecaprolactone) and Poly(Epentadecalactone)-Based Networks with Two-Way Shape-Memory Effect through [2+2] Cycloaddition Reactions. <i>Macromolecular Chemistry and Physics</i> , 2018 , 219, 1700345	2.6	11
636	Multifunctional graphene/POSS epoxy resin tailored for aircraft lightning strike protection. <i>Composites Part B: Engineering</i> , 2018 , 140, 44-56	10	77
635	Reactive plasticization of poly(lactide) with epoxy functionalized cardanol. <i>Polymer Engineering and Science</i> , 2018 , 58, E64-E72	2.3	4
634	Improving the Performance of Batteries by Using Multi-Pyrene PTMA Structures. <i>Batteries and Supercaps</i> , 2018 , 1, 102-109	5.6	14
633	Do Carbon Nanotubes Improve the Thermomechanical Properties of Benzoxazine Thermosets?. <i>ACS Applied Materials & Interfaces</i> , 2018 , 10, 26669-26677	9.5	9
632	Design of melt-recyclable poly(Ecaprolactone)-based supramolecular shape-memory nanocomposites.. <i>RSC Advances</i> , 2018 , 8, 27119-27130	3.7	4
631	Fast IR-Actuated Shape-Memory Polymers Using in Situ Silver Nanoparticle-Grafted Cellulose Nanocrystals. <i>ACS Applied Materials & Interfaces</i> , 2018 , 10, 29933-29942	9.5	44
630	Hydrolytic degradation of poly(l-lactic acid)/poly(methyl methacrylate) blends. <i>Polymer International</i> , 2018 , 67, 1393-1400	3.3	9
629	Synthesis, characterization and stereocomplexation of polyamide 11/polylactide diblock copolymers. <i>European Polymer Journal</i> , 2018 , 98, 83-93	5.2	3
628	Novel Bio-based Flame Retardant Systems Derived from Tannic Acid. <i>Journal of Renewable Materials</i> , 2018 , 6, 559-572	2.4	18
627	A novel polyhedral oligomeric silsesquioxane-modified layered double hydroxide: preparation, characterization and properties. <i>Beilstein Journal of Nanotechnology</i> , 2018 , 9, 3053-3068	3	5
626	The influence of grafting on flow-induced crystallization and rheological properties of poly(Ecaprolactone)/cellulose nanocrystal nanocomposites. <i>Nanocomposites</i> , 2018 , 4, 87-101	3.4	8
625	In situ 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	2.6	2

624	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	3.9	33
623	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	5.2	7
622	Miscibility and Nanoparticle Diffusion in Ionic Nanocomposites. <i>Polymers</i> , 2018 , 10,	4.5	9
621	Biobased Poly(ethylene-co-hexamethylene 2,5-furandicarboxylate) (PEHF) Copolyesters with Superior Tensile Properties. <i>Industrial & Engineering Chemistry Research</i> , 2018 , 57, 13094-13102	3.9	27
620	Synthesis of Quercetin-imprinted Polymer Spherical Particles with Improved Ability to Capture Quercetin Analogues. <i>Phytochemical Analysis</i> , 2017 , 28, 289-296	3.4	8
619	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	5.5	9
618	The Complex Amorphous Phase in Poly(butylene succinate- <i>ran</i> -butylene azelate) Isodimorphic Copolyesters. <i>Macromolecules</i> , 2017 , 50, 1569-1578	5.5	26
617	Electroassisted Functionalization of Nitinol Surface, a Powerful Strategy for Polymer Coating through Controlled Radical Surface Initiation. <i>Langmuir</i> , 2017 , 33, 2977-2985	4	4
616	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	4.5	12
615	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	3.6	20
614	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	4.8	41
613	Bio-based flame retardants: When nature meets fire protection. <i>Materials Science and Engineering Reports</i> , 2017 , 117, 1-25	30.9	267
612	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	2.6	12
611	Bionanocomposites based on PLA and halloysite nanotubes: From key properties to photooxidative degradation. <i>Polymer Degradation and Stability</i> , 2017 , 145, 60-69	4.7	35
610	Preparation of Cellulose Nanocrystal-Reinforced Poly(lactic acid) Nanocomposites through Noncovalent Modification with PLLA-Based Surfactants. <i>ACS Omega</i> , 2017 , 2, 2678-2688	3.9	49
609	Potential of polymethacrylate pseudo crown ethers as solid state polymer electrolytes. <i>Chemical Communications</i> , 2017 , 53, 6899-6902	5.8	11
608	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	7.3	17
607	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	5.2	23

606	Ultra-stretchable ionic nanocomposites: from dynamic bonding to multi-responsive behavior. <i>Journal of Materials Chemistry A</i> , 2017 , 5, 13357-13363	13	25
605	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	3.6	20
604	Shape-Memory Behavior of Polylactide/Silica Ionic Hybrids. <i>Macromolecules</i> , 2017 , 50, 2896-2905	5.5	33
603	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,	2.9	14
602	PEGylated and Functionalized Aliphatic Polycarbonate Polyplex Nanoparticles for Intravenous Administration of HDAC5 siRNA in Cancer Therapy. <i>ACS Applied Materials & Interfaces</i> , 2017 , 9, 21814-2195	9.5	17
601	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	10	20
600	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	4.5	9
599	One-component Diels-Alder based polyurethanes: a unique way to self-heal. <i>RSC Advances</i> , 2017 , 7, 48047-48053	3.7	35
598	Increased Surface Roughness in Polydimethylsiloxane Films by Physical and Chemical Methods. <i>Polymers</i> , 2017 , 9,	4.5	19
597	Crystallization and Stereocomplexation of PLA-mb-PBS Multi-Block Copolymers. <i>Polymers</i> , 2017 , 10,	4.5	5
596	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	4.8	23
595	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	5.2	10
594	Modeling the formation and thermomechanical properties of polybenzoxazine thermosets. <i>Polymer Chemistry</i> , 2017 , 8, 5988-5999	4.9	23
593	Phytic acid/Ignin combination: A simple and efficient route for enhancing thermal and flame retardant properties of polylactide. <i>European Polymer Journal</i> , 2017 , 94, 270-285	5.2	71
592	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	4.7	19
591	On the Bioadhesive Properties of Silicone-Based Coatings by Incorporation of Block Copolymers. <i>Biologically-inspired Systems</i> , 2017 , 303-343	0.7	
590	Humidity-Activated Shape Memory Effects on Thermoplastic Starch/EVA Blends and Their Compatibilized Nanocomposites. <i>Macromolecular Chemistry and Physics</i> , 2017 , 218, 1700388	2.6	16
589	Resolving Inclusion Structure and Deformation Mechanisms in Polylactide Plasticized by Reactive Extrusion. <i>Macromolecular Materials and Engineering</i> , 2017 , 302, 1700326	3.9	11

588	Poly(lactic acid)-Based Materials for Automotive Applications. <i>Advances in Polymer Science</i> , 2017 , 177-219	3	13
587	Acid-free extraction of cellulose type I nanocrystals using Brønsted acid-type ionic liquids. <i>Nanocomposites</i> , 2016 , 2, 65-75	3-4	21
586	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	3-9	7
585	Multiresponsive Shape Memory Blends and Nanocomposites Based on Starch. <i>ACS Applied Materials & Interfaces</i> , 2016 , 8, 19197-201	9-5	31
584	Binary Mixed Homopolymer Brushes Tethered to Cellulose Nanocrystals: A Step Towards Compatibilized Polyester Blends. <i>Biomacromolecules</i> , 2016 , 17, 3048-59	6-9	15
583	Chavicol benzoxazine: Ultrahigh Tg biobased thermoset with tunable extended network. <i>European Polymer Journal</i> , 2016 , 81, 337-346	5-2	50
582	Metal-free anti-biofouling coatings: the preparation of silicone-based nanostructured coatings via purely organic catalysis. <i>Nanocomposites</i> , 2016 , 2, 51-57	3-4	3
581	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	3-3	14
580	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	3-7	33
579	Toward "Green" Hybrid Materials: Core-Shell Particles with Enhanced Impact Energy Absorbing Ability. <i>ACS Sustainable Chemistry and Engineering</i> , 2016 , 4, 3757-3765	8-3	7
578	Arbutin-based benzoxazine: en route to an intrinsic water soluble biobased resin. <i>Green Chemistry</i> , 2016 , 18, 4954-4960	10	49
577	Design of highly tough poly(l-lactide)-based ternary blends for automotive applications. <i>Journal of Applied Polymer Science</i> , 2016 , 133, n/a-n/a	2-9	28
576	High performance bio-based benzoxazine networks from resorcinol and hydroquinone. <i>European Polymer Journal</i> , 2016 , 75, 486-494	5-2	46
575	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	2-4	1
574	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	4-9	25
573	Cellulose/phosphorus combinations for sustainable fire retarded polylactide. <i>European Polymer Journal</i> , 2016 , 74, 218-228	5-2	54
572	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	13	63
571	Free-Radical-Induced Grafting from Plasma Polymer Surfaces. <i>Chemical Reviews</i> , 2016 , 116, 3975-4005	68-1	126

570	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	4.4	26
569	Compatibilization of co-plasticized cellulose acetate/water soluble polymers blends by reactive extrusion. <i>Polymer Degradation and Stability</i> , 2016 , 126, 31-38	4.7	13
568	Expanding the light absorption of poly(3-hexylthiophene) by end-functionalization with extended porphyrins. <i>Chemical Communications</i> , 2016 , 52, 171-4	5.8	11
567	Regioregular PolythiophenePorphyrin Supramolecular Copolymers for Optoelectronic Applications. <i>Macromolecular Chemistry and Physics</i> , 2016 , 217, 445-458	2.6	11
566	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,	2.9	12
565	Water-dispersive PLA-based materials: from reactive melt processing to properties. <i>Polymers for Advanced Technologies</i> , 2016 , 27, 61-65	3.2	1
564	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	4.5	26
563	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	8.3	43
562	Epoxy Monomers Cured by High Cellulosic Nanocrystal Loading. <i>ACS Applied Materials & Interfaces</i> , 2016 , 8, 10535-44	9.5	24
561	PLA composites: From production to properties. <i>Advanced Drug Delivery Reviews</i> , 2016 , 107, 17-46	18.5	449
560	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	5.5	12
559	Thermal curing of para-phenylenediamine benzoxazine for barrier coating applications on 1050 aluminum alloys. <i>Progress in Organic Coatings</i> , 2016 , 97, 99-109	4.8	25
558	Shape-memory polymers for multiple applications in the materials world. <i>European Polymer Journal</i> , 2016 , 80, 268-294	5.2	202
557	Click reactive microgels as a strategy towards chemically injectable hydrogels. <i>Polymer Chemistry</i> , 2016 , 7, 6752-6760	4.9	10
556	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	5.2	102
555	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	2.6	17
554	Tailoring Polylactide Properties for Automotive Applications: Effects of Co-Addition of Halloysite Nanotubes and Selected Plasticizer. <i>Macromolecular Materials and Engineering</i> , 2015 , 300, 684-698	3.9	49
553	Polylactide/cellulose nanocrystal nanocomposites: Efficient routes for nanofiber modification and effects of nanofiber chemistry on PLA reinforcement. <i>Polymer</i> , 2015 , 65, 9-17	3.9	136

552	Self-assembly and hybridization mechanisms of DNA with cationic polythiophene. <i>Soft Matter</i> , 2015 , 11, 6460-71	3.6	17
551	In Situ Metal-Free Synthesis of Polylactide Enantiomers Grafted from Nanoclays of High Thermostability. <i>ACS Symposium Series</i> , 2015 , 287-303	0.4	
550	A multilayer coating with optimized properties for corrosion protection of Al. <i>Journal of Materials Chemistry A</i> , 2015 , 3, 15977-15985	13	17
549	Toughening of poly(lactide) using polyethylene glycol methyl ether acrylate: Reactive versus physical blending. <i>Polymer Engineering and Science</i> , 2015 , 55, 1408-1419	2.3	29
548	A Sunlight-Induced Click Reaction as an Efficient Route to Cyclic Aliphatic Polyesters. <i>Macromolecular Chemistry and Physics</i> , 2015 , 216, 1227-1234	2.6	15
547	Correlation Between Mechanical Properties and Cross-Linking Degree of Ethyl Lactate Plasma Polymer Films. <i>Plasma Processes and Polymers</i> , 2015 , 12, 508-518	3.4	36
546	Poly(ϵ -pentadecalactone)-b-poly(l-lactide) Block Copolymers via Organic-Catalyzed Ring Opening Polymerization and Potential Applications. <i>ACS Macro Letters</i> , 2015 , 4, 408-411	6.6	49
545	Efficiency of DBU/iodine cooperative dual catalysis for the solvent-free synthesis of five-membered cyclic carbonates under atmospheric CO ₂ pressure. <i>Journal of CO₂ Utilization</i> , 2015 , 10, 7-11	7.6	27
544	Polylactide/Poly(ϵ -hydroxytetradecanoic acid) Reactive Blending: A Green Renewable Approach to Improving Polylactide Properties. <i>Biomacromolecules</i> , 2015 , 16, 1818-26	6.9	44
543	One-Pot Microwave-Assisted Synthesis of Graphene/Layered Double Hydroxide (LDH) Nanohybrids. <i>Nano-Micro Letters</i> , 2015 , 7, 332-340	19.5	52
542	Self-assembled conjugated polyelectrolyte/surfactant complexes as efficient cathode interlayer materials for bulk heterojunction organic solar cells. <i>Journal of Materials Chemistry A</i> , 2015 , 3, 23905-23916	13.3	15
541	Experimental and Theoretical Study of the Plasma Chemistry of Ethyl Lactate Plasma Polymerization Discharges. <i>Plasma Processes and Polymers</i> , 2015 , 12, 405-415	3.4	18
540	Organocatalysis paradigm revisited: are metal-free catalysts really harmless?. <i>Biomacromolecules</i> , 2015 , 16, 507-14	6.9	89
539	Elaboration and characterization of a multifunctional silane/ZnO hybrid nanocomposite coating. <i>Applied Surface Science</i> , 2015 , 327, 379-388	6.7	35
538	Thermal curing study of bisphenol A benzoxazine for barrier coating applications on 1050 aluminum alloy. <i>Progress in Organic Coatings</i> , 2015 , 79, 53-61	4.8	39
537	Linear polyethylenimine as (multi) functional initiator for organocatalytic l-lactide polymerization. <i>Journal of Materials Chemistry B</i> , 2015 , 3, 612-619	7.3	5
536	A tandem mass spectrometry-based method to assess the architectural purity of synthetic polymers: a case of a cyclic polylactide obtained by click chemistry. <i>Polymer Chemistry</i> , 2015 , 6, 64-69	4.9	42
535	Biobased poly(lactides)/poly(methyl methacrylate) blends: A perfect association for durable and smart applications? 2015 ,		3

534	Current progress in the production of PLA/ZnO nanocomposites: Beneficial effects of chain extender addition on key properties. <i>Journal of Applied Polymer Science</i> , 2015 , 132, n/a-n/a	2.9	44
533	Crystallization-induced toughness of rubber-modified polylactide: combined effects of biodegradable impact modifier and effective nucleating agent. <i>Polymers for Advanced Technologies</i> , 2015 , 26, 814-822	3.2	21
532	The outstanding ability of nanosilica to stabilize dispersions of Nylon 6 droplets in a polypropylene matrix. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2015 , 53, 1567-1579	2.6	19
531	Strain-induced deformation mechanisms of polylactide plasticized with acrylated poly(ethylene glycol) obtained by reactive extrusion. <i>Polymer International</i> , 2015 , 64, 1544-1554	3.3	10
530	In situ IR Spectroscopy as a Tool to Better Understand the Growth Mechanisms of Plasma Polymers Thin Films. <i>Plasma Processes and Polymers</i> , 2015 , 12, 1200-1207	3.4	7
529	Polyethylene-polyaniline Nanofiber Composites: Evaluation of Experimental Conditions of in situ Polymerization. <i>Materials Research</i> , 2015 , 18, 121-126	1.5	3
528	Metallic phytates as efficient bio-based phosphorous flame retardant additives for poly(lactic acid). <i>Polymer Degradation and Stability</i> , 2015 , 119, 217-227	4.7	75
527	Recent advances in production of poly(lactic acid) (PLA) nanocomposites: a versatile method to tune crystallization properties of PLA. <i>Nanocomposites</i> , 2015 , 1, 71-82	3.4	48
526	Deposition of porous titanium oxide thin films as anode material for dye sensitized solar cells. <i>Vacuum</i> , 2015 , 114, 213-220	3.7	25
525	Mechanistic insights on nanosilica self-networking inducing ultra-toughness of rubber-modified polylactide-based materials. <i>Nanocomposites</i> , 2015 , 1, 113-125	3.4	12
524	How Composition Determines the Properties of Isodimorphic Poly(butylene succinate-ran-butylene azelate) Random Biobased Copolymers: From Single to Double Crystalline Random Copolymers. <i>Macromolecules</i> , 2015 , 48, 43-57	5.5	73
523	Investigation of the alumina nanoparticle role in the enhancement of the mechanical properties of polyamide/polycarbonate blends. <i>Polymer Degradation and Stability</i> , 2015 , 112, 137-144	4.7	11
522	Eugenol-based benzoxazine: from straight synthesis to taming of the network properties. <i>Journal of Materials Chemistry A</i> , 2015 , 3, 6012-6018	13	96
521	Bio-based high performance thermosets: Stabilization and reinforcement of eugenol-based benzoxazine networks with BMI and CNT. <i>European Polymer Journal</i> , 2015 , 67, 494-502	5.2	80
520	Impact of the structure of biocompatible aliphatic polycarbonates on siRNA transfection ability. <i>Biomacromolecules</i> , 2015 , 16, 769-79	6.9	20
519	Key factors for tuning hydrolytic degradation of polylactide/zinc oxide nanocomposites. <i>Nanocomposites</i> , 2015 , 1, 51-61	3.4	39
518	Effect of incorporation of POSS compounds and phosphorous hardeners on thermal and fire resistance of nanofilled aeronautic resins. <i>RSC Advances</i> , 2015 , 5, 10974-10986	3.7	62
517	Synthesis of melt-processable PLA-based stereocomplexes through a sustainable melt-approach. <i>Green Chemistry</i> , 2014 , 16, 1759	10	7

516	Stereocomplexed PLA nanocomposites: From in situ polymerization to materials properties. <i>European Polymer Journal</i> , 2014 , 54, 138-150	5.2	49
515	Reactive compatibilization of poly(L-lactide)/poly(butylene succinate) blends through polyester maleation: from materials to properties. <i>Polymer International</i> , 2014 , 63, 1724-1731	3.3	24
514	Poly(L-lactide) and poly(butylene succinate) immiscible blends: from electrospinning to biologically active materials. <i>Materials Science and Engineering C</i> , 2014 , 41, 119-26	8.3	48
513	Phenanthroline-functionalized MWCNTs as versatile platform for lanthanides complexation. <i>Carbon</i> , 2014 , 70, 22-29	10.4	1
512	Chemical force microscopy of stimuli-responsive adhesive copolymers. <i>Nanoscale</i> , 2014 , 6, 565-71	7.7	12
511	Modification of the adhesive properties of silicone-based coatings by block copolymers. <i>Langmuir</i> , 2014 , 30, 358-68	4	16
510	Well defined thermostable cellulose nanocrystals via two-step ionic liquid swelling-hydrolysis extraction. <i>Cellulose</i> , 2014 , 21, 4195-4207	5.5	44
509	Tilted fiber Bragg gratings as a new sensing device for in situ and real time monitoring of surface-initiated polymerization. <i>Polymer Chemistry</i> , 2014 , 5, 2506	4.9	5
508	Control over molar mass, dispersity, end-groups and kinetics in cyclopolymerization of ortho-phthalaldehyde: adapted choice of a phosphazene organocatalyst. <i>Polymer Chemistry</i> , 2014 , 5, 706-711	4.9	17
507	Convenient and solventless preparation of pure carbon nanotube/polybenzoxazine nanocomposites with low percolation threshold and improved thermal and fire properties. <i>Journal of Materials Chemistry A</i> , 2014 , 2, 6814-6822	13	32
506	One-step synthesis of polylactide macrocycles from sparteine-initiated ROP. <i>Polymer Chemistry</i> , 2014 , 5, 2103	4.9	25
505	High performance benzoxazine/CNT nanohybrid network [An easy and scalable way to combine attractive properties. <i>European Polymer Journal</i> , 2014 , 58, 218-225	5.2	31
504	Ambient temperature catalyst-free light-induced preparation of macrocyclic aliphatic polyesters. <i>Chemical Communications</i> , 2014 , 50, 2024-6	5.8	33
503	Free radical generation and concentration in a plasma polymer: the effect of aromaticity. <i>ACS Applied Materials & Interfaces</i> , 2014 , 6, 12395-405	9.5	25
502	Gas Permeability Properties of Poly(3-hydroxybutyrate-co-3-hydroxyhexanoate). <i>Journal of Polymers and the Environment</i> , 2014 , 22, 501-507	4.5	25
501	Biobased poly(butylene 2,5-furandicarboxylate) and poly(butylene adipate-co-butylene 2,5-furandicarboxylate)s: From synthesis using highly purified 2,5-furandicarboxylic acid to thermo-mechanical properties. <i>Polymer</i> , 2014 , 55, 3648-3655	3.9	109
500	Ammonium betaines: efficient ionic nucleophilic catalysts for the ring-opening polymerization of L-lactide and cyclic carbonates. <i>Chemical Communications</i> , 2014 , 50, 10098-101	5.8	23
499	Influence of Chain Branching and Molecular Weight on Melt Rheology and Crystallization of Polyethylene/Carbon Nanotube Nanocomposites. <i>Macromolecules</i> , 2014 , 47, 5668-5681	5.5	38

498	Design of Multistimuli-Responsive Shape-Memory Polymer Materials by Reactive Extrusion. <i>Chemistry of Materials</i> , 2014 , 26, 5860-5867	9.6	56
497	Designing Multiple-Shape Memory Polymers with Miscible Polymer Blends: Evidence and Origins of a Triple-Shape Memory Effect for Miscible PLLA/PMMA Blends. <i>Macromolecules</i> , 2014 , 47, 6791-6803	5.5	122
496	Quercetin-imprinted chromatographic sorbents revisited: optimization of synthesis and rebinding protocols for application to natural resources. <i>Journal of Chromatography A</i> , 2014 , 1364, 128-39	4.5	20
495	Block, random and palm-tree amphiphilic fluorinated copolymers: controlled synthesis, surface activity and use as dispersion polymerization stabilizers. <i>Polymer Chemistry</i> , 2014 , 5, 5273-5282	4.9	17
494	A one-pot two-step efficient metal-free process for the generation of PEO-b-PCL-b-PLA amphiphilic triblock copolymers. <i>RSC Advances</i> , 2014 , 4, 10028	3.7	23
493	All-conjugated cationic copolythiophene block copolyelectrolytes: synthesis, optical properties and solvent-dependent assembly. <i>Polymer Chemistry</i> , 2014 , 5, 3352-3362	4.9	18
492	External and Reversible CO ₂ Regulation of Ring-Opening Polymerizations Based on a Primary Alcohol Propagating Species. <i>Macromolecules</i> , 2014 , 47, 486-491	5.5	34
491	Synthesis of TiO ₂ -poly(3-hexylthiophene) hybrid particles through surface-initiated Kumada catalyst-transfer polycondensation. <i>Langmuir</i> , 2014 , 30, 11340-7	4	19
490	Combined Effect of Humidity and Composition on the Molecular Mobilities of Poly(ϵ -caprolactone-ran- ϵ -caprolactam) Copolymers. <i>Macromolecules</i> , 2014 , 47, 2471-2478	5.5	12
489	Molecularly imprinted polymers: compromise between flexibility and rigidity for improving capture of template analogues. <i>Chemistry - A European Journal</i> , 2014 , 20, 3500-9	4.8	23
488	Implementation of metal-free ring-opening polymerization in the preparation of aliphatic polycarbonate materials. <i>Progress in Polymer Science</i> , 2014 , 39, 1144-1164	29.6	158
487	In situ polymerised polyamide 6/sepiolite nanocomposites: Effect of different interphases. <i>European Polymer Journal</i> , 2014 , 56, 131-139	5.2	18
486	Grafted d/l-lactide to cellulose acetate by reactive melt processing: Its role as CA/PLA blend compatibilizer. <i>European Polymer Journal</i> , 2014 , 57, 30-36	5.2	16
485	The skeleton of postmetamorphic echinoderms in a changing world. <i>Biological Bulletin</i> , 2014 , 226, 223-36.5	36.5	38
484	Pathways to Biodegradable Flame Retardant Polymer (Nano)Composites 2014 , 709-773		7
483	In Situ Polymerization of Bionanocomposites. <i>Materials and Energy</i> , 2014 , 69-88		1
482	Ultrascale and microscale growth dynamics of the cidaroid spine of <i>Phyllacanthus imperialis</i> revealed by ²⁵ Mg labeling and NanoSIMS isotopic imaging. <i>Journal of Morphology</i> , 2014 , 275, 788-96	1.6	14
481	Tunable and Durable Toughening of Polylactide Materials Via Reactive Extrusion. <i>Macromolecular Materials and Engineering</i> , 2014 , 299, 583-595	3.9	28

480	Meisenheimer Complex Inspired Catalyst- and Solvent-Free Synthesis of Noncyclic Poly(aryl ether sulfone)s. <i>Macromolecules</i> , 2014 , 47, 8131-8136	5.5	10
479	End-of-life treatment of poly(vinyl chloride) and chlorinated polyethylene by dehydrochlorination in ionic liquids. <i>ChemSusChem</i> , 2014 , 7, 610-7	8.3	32
478	Interplay between Halogen Bonding and Lone Pair- π Interactions: A Computational and Crystal Packing Study. <i>ChemPlusChem</i> , 2014 , 79, 552-558	2.8	18
477	Structure/transport property relationships within nanoclay-filled polyurethane materials using polycaprolactone-based masterbatches. <i>Composites Science and Technology</i> , 2014 , 90, 74-81	8.6	15
476	PLA/Halloysite Nanocomposite Films: Water Vapor Barrier Properties and Specific Key Characteristics. <i>Macromolecular Materials and Engineering</i> , 2014 , 299, 104-115	3.9	103
475	Imparting Adhesion Property to Silicone Materials. <i>Reviews of Adhesion and Adhesives</i> , 2014 , 2, 30-55	2.4	4
474	Using Nanosilica to Fine-Tune Morphology and Properties of Polyamide 6/Poly(propylene) Blends. <i>Macromolecular Materials and Engineering</i> , 2013 , 298, 328-338	3.9	29
473	Molecular Weight Dependence of Exciton Diffusion in Poly(3-hexylthiophene). <i>Advanced Energy Materials</i> , 2013 , 3, 1445-1453	21.8	32
472	Synthesis of poly[(4,4'-(dihexyl)dithieno(3,2-b;2',3'-d)silole)] and copolymerization with 3-hexylthiophene: new semiconducting materials with extended optical absorption. <i>Polymer Chemistry</i> , 2013 , 4, 4303	4.9	21
471	Organocatalytic synthesis and post-polymerization functionalization of propargyl-functional poly(carbonate)s. <i>Polymer Chemistry</i> , 2013 , 4, 174-183	4.9	43
470	Assessment of end-group functionality in atom transfer radical polymerization of N-isopropylacrylamide. <i>European Polymer Journal</i> , 2013 , 49, 2344-2355	5.2	8
469	Convection-assisted assembly of cellulose nanowhiskers embedded in an acrylic copolymer. <i>Nanoscale</i> , 2013 , 5, 1082-90	7.7	17
468	Enhancement of cellulose acetate degradation under accelerated weathering by plasticization with eco-friendly plasticizers. <i>Polymer Degradation and Stability</i> , 2013 , 98, 1556-1562	4.7	37
467	Sol-gel incorporation of silica nanofillers for tuning the anti-corrosion protection of acrylate-based coatings. <i>Progress in Organic Coatings</i> , 2013 , 76, 900-911	4.8	51
466	PLLA/PMMA blends: A shear-induced miscibility with tunable morphologies and properties?. <i>Polymer</i> , 2013 , 54, 3931-3939	3.9	68
465	High viscosity polyethylene-based electroconductive nanocomposites: carbon nanotubes versus carbon nanofibres. <i>Polymer Bulletin</i> , 2013 , 70, 895-904	2.4	6
464	Chirality in DNA- π -conjugated polymer supramolecular structures: insights into the self-assembly. <i>Chemical Communications</i> , 2013 , 49, 5483-5	5.8	40
463	PLA-ZnO nanocomposite films: Water vapor barrier properties and specific end-use characteristics. <i>European Polymer Journal</i> , 2013 , 49, 3471-3482	5.2	176

462	Poly(lactic acid)/carbon nanotube nanocomposites with integrated degradation sensing. <i>Polymer</i> , 2013 , 54, 6818-6823	3.9	83
461	Stereocomplexation of polylactide enhanced by poly(methyl methacrylate): improved processability and thermomechanical properties of stereocomplexable polylactide-based materials. <i>ACS Applied Materials & Interfaces</i> , 2013 , 5, 11797-807	9.5	70
460	Ultra-tough polylactide-based materials synergistically designed in the presence of rubbery ϵ -caprolactone-based copolyester and silica nanoparticles. <i>Composites Science and Technology</i> , 2013 , 84, 86-91	8.6	51
459	Facile preparation of a novel high performance benzoxazine-CNT based nano-hybrid network exhibiting outstanding thermo-mechanical properties. <i>Chemical Communications</i> , 2013 , 49, 9543-5	5.8	39
458	Flame retardant polypropylene through the joint action of sepiolite and polyamide 6. <i>Polymer Degradation and Stability</i> , 2013 , 98, 1972-1980	4.7	27
457	Preparation of in situ-forming poly(5-methyl-5-allyloxycarbonyl-1,3-dioxan-2-one)-poly(ethylene glycol) hydrogels with tuneable swelling, mechanical strength and degradability. <i>Journal of Materials Chemistry B</i> , 2013 , 1, 221-229	7.3	51
456	Morpholine-functionalized polycarbonate hydrogels for heavy metal ion sequestration. <i>Polymer Chemistry</i> , 2013 , 4, 1260-1270	4.9	18
455	Effect of photo-crosslinking on the performance of silica nanoparticle-filled epoxidized acrylic copolymer coatings. <i>Journal of Materials Chemistry A</i> , 2013 , 1, 10334	13	12
454	Synthesis and post-polymerisation modifications of aliphatic poly(carbonate)s prepared by ring-opening polymerisation. <i>Chemical Society Reviews</i> , 2013 , 42, 1312-36	58.5	253
453	Toughening of polylactide by tailoring phase-morphology with P[CL-co-LA] random copolyesters as biodegradable impact modifiers. <i>European Polymer Journal</i> , 2013 , 49, 914-922	5.2	71
452	Calcium-based hydrated minerals: Promising halogen-free flame retardant and fire resistant additives for polyethylene and ethylene vinyl acetate copolymers. <i>Polymer Degradation and Stability</i> , 2013 , 98, 1617-1625	4.7	23
451	Biobased polyesters with composition-dependent thermomechanical properties: synthesis and characterization of poly(butylene succinate-co-butylene azelate). <i>Biomacromolecules</i> , 2013 , 14, 890-9	6.9	49
450	Macrocyclic regioregular poly(3-hexylthiophene): from controlled synthesis to nanotubular assemblies. <i>Polymer Chemistry</i> , 2013 , 4, 237-241	4.9	15
449	Amphiphilic semiconducting copolymer as compatibility layer for printing polyelectrolyte-gated OFETs. <i>Organic Electronics</i> , 2013 , 14, 790-796	3.5	10
448	Inverse dependencies on the polymerization rate in atom transfer radical polymerization of N-isopropylacrylamide in aqueous medium. <i>Reactive and Functional Polymers</i> , 2013 , 73, 484-491	4.6	14
447	Amphiphilic Poly(3-hexylthiophene)-Based Semiconducting Copolymers for Printing of Polyelectrolyte-Gated Organic Field-Effect Transistors. <i>Macromolecules</i> , 2013 , 46, 4548-4557	5.5	12
446	Magnetic poly(vinylpyridine)-coated carbon nanotubes: an efficient supramolecular tool for wastewater purification. <i>ChemSusChem</i> , 2013 , 6, 367-73	8.3	22
445	Polylactide (PLA)-based nanocomposites. <i>Progress in Polymer Science</i> , 2013 , 38, 1504-1542	29.6	801

444	The influence of nanosilica on the nucleation, crystallization and tensile properties of PPBC and PPBA blends. <i>Polymer</i> , 2013 , 54, 3982-3993	3.9	64
443	Effects of interfacial stereocomplexation in cellulose nanocrystal-filled polylactide nanocomposites. <i>Cellulose</i> , 2013 , 20, 2877-2885	5.5	64
442	Use of free radicals on the surface of plasma polymer for the initiation of a polymerization reaction. <i>ACS Applied Materials & Interfaces</i> , 2013 , 5, 11569-77	9.5	12
441	Halogen bonding at work: recent applications in synthetic chemistry and materials science. <i>CrystEngComm</i> , 2013 , 15, 3058-3071	3.3	200
440	Synthesis of binary-patterned brushes by combining atom transfer radical polymerization and ring-opening polymerization. <i>E-Polymers</i> , 2013 , 13,	2.7	2
439	Experimental Study of the Plasma Polymerization of Ethyl Lactate. <i>Plasma Processes and Polymers</i> , 2013 , 10, 999-1009	3.4	27
438	Polylactide stereocomplex crystallization prompted by multiwall carbon nanotubes. <i>Journal of Applied Polymer Science</i> , 2013 , 130, n/a-n/a	2.9	14
437	Preparation and copolymerization of a functionalized lactone with (DHQD)2AQN. <i>Green Materials</i> , 2013 , 1, 203-208	3.2	1
436	Evaluation of a new biocompatible poly(N-(morpholino ethyl methacrylate)-based copolymer for the delivery of ruthenium oligonucleotides, targeting HPV16 E6 oncogene. <i>Journal of Biomedical Nanotechnology</i> , 2013 , 9, 1432-40	4	12
435	Recent advances in high performance poly(lactide): from "green" plasticization to super-tough materials via (reactive) compounding. <i>Frontiers in Chemistry</i> , 2013 , 1, 32	5	104
434	Application of high-density DNA resequencing microarray for detection and characterization of botulinum neurotoxin-producing clostridia. <i>PLoS ONE</i> , 2013 , 8, e67510	3.7	15
433	Random aliphatic copolyesters as new biodegradable impact modifiers for polylactide materials. <i>European Polymer Journal</i> , 2012 , 48, 331-340	5.2	54
432	New development on plasticized poly(lactide): Chemical grafting of citrate on PLA by reactive extrusion. <i>European Polymer Journal</i> , 2012 , 48, 404-415	5.2	98
431	Unpredictable dispersion states of MWNTs in HDPE: A comparative and comprehensive study. <i>European Polymer Journal</i> , 2012 , 48, 677-683	5.2	19
430	Semi-crystalline polymer/carbon nanotube nanocomposites: Effect of nanotube surface-functionalization and polymer coating on electrical and thermal properties. <i>Reactive and Functional Polymers</i> , 2012 , 72, 383-392	4.6	12
429	Supernucleation and crystallization regime change provoked by MWNT addition to poly(E-caprolactone). <i>Polymer</i> , 2012 , 53, 832-841	3.9	87
428	The effect of nano-sized filler particles on the crystalline-amorphous interphase and thermal properties in polyester nanocomposites. <i>Polymer</i> , 2012 , 53, 1494-1506	3.9	24
427	Surface-initiated controlled polymerization as a convenient method for designing functional polymer brushes: From self-assembled monolayers to patterned surfaces. <i>Progress in Polymer Science</i> , 2012 , 37, 157-181	29.6	204

426	Targeted extraction of active compounds from natural products by molecularly imprinted polymers. <i>Open Chemistry</i> , 2012 , 10, 751-765	1.6	12
425	Controllable processes for generating large single crystals of poly(3-hexylthiophene). <i>Angewandte Chemie - International Edition</i> , 2012 , 51, 11131-5	16.4	139
424	An imidazole-based organocatalyst designed for bulk polymerization of lactide isomers: inspiration from Nature. <i>Chemical Communications</i> , 2012 , 48, 11695-7	5.8	29
423	Controllable Processes for Generating Large Single Crystals of Poly(3-hexylthiophene). <i>Angewandte Chemie</i> , 2012 , 124, 11293-11297	3.6	15
422	Poly(lactide (PLA)) Nanocomposites: Production, Morphology and Key-Properties. <i>Journal of Polymers and the Environment</i> , 2012 , 20, 932-943	4.5	75
421	Electrospun non-woven mats from stereocomplex between high molar mass poly(L-lactide) and poly(D-lactide)-block-poly(butylene succinate) copoly(ester urethane)s. <i>European Polymer Journal</i> , 2012 , 48, 1965-1975	5.2	9
420	Effect of ZnO nanofillers treated with triethoxy caprylsilane on the isothermal and non-isothermal crystallization of poly(lactic acid). <i>Physical Chemistry Chemical Physics</i> , 2012 , 14, 12301-8	3.6	38
419	Transfection of immortalized keratinocytes by low toxic poly(2-(dimethylamino)ethyl methacrylate)-based polymers. <i>Journal of Biomaterials Science, Polymer Edition</i> , 2012 , 23, 739-61	3.5	5
418	Novel Nanocomposites Reinforced with Polysaccharide (Starch) Nanocrystals: From Interfacial Ring-Opening Polymerization to Melt-Processing Implementation. <i>ACS Symposium Series</i> , 2012 , 257-268	0.4	2
417	Traces do matter: Purity of 4-methyl-2-oxetanone and its effect on anionic ring-opening polymerization as evidenced by phosphazene superbases catalysis. <i>Reactive and Functional Polymers</i> , 2012 , 72, 509-520	4.6	24
416	High molecular weight poly(butylene succinate-co-butylene furandicarboxylate) copolyesters: from catalyzed polycondensation reaction to thermomechanical properties. <i>Biomacromolecules</i> , 2012 , 13, 2973-81	6.9	161
415	A supramolecular approach toward organo-dispersible graphene and its straightforward polymer nanocomposites. <i>Journal of Materials Chemistry</i> , 2012 , 22, 18124		25
414	PCL/Clay Nano-Biocomposites. <i>Green Energy and Technology</i> , 2012 , 119-142	0.6	3
413	Adhesion and micromechanical deformation processes in PLA/CaSO ₄ composites. <i>Carbohydrate Polymers</i> , 2012 , 89, 759-67	10.3	24
412	Optoelectronic Devices: CNTs in Optoelectronic Devices: New Structural and Photophysical Insights on Porphyrin-DWCNTs Hybrid Materials (Adv. Funct. Mater. 15/2012). <i>Advanced Functional Materials</i> , 2012 , 22, 3315-3315	15.6	1
411	A Convenient Route to High-Performance HDPE/CNT Conductive Nanocomposites by Control of Matrix Nucleation. <i>Macromolecular Chemistry and Physics</i> , 2012 , 213, 2275-2281	2.6	10
410	Synthesis of poly(L-lactide) and gradient copolymers from a L-lactide/trimethylene carbonate eutectic melt. <i>Chemical Science</i> , 2012 , 3, 723-726	9.4	36
409	Morphology and Properties of Polyamide 6/Poly(propylene) Blends Fine-Tuned with Nanosilica. <i>Macromolecular Symposia</i> , 2012 , 321-322, 90-94	0.8	2

408	Copper-Catalyzed Dehydrogenative Polycondensation of a Bis-Aniline Hexylthiophene-Based Monomer: A Kinetically Controlled Air-Tolerant Process. <i>Macromolecules</i> , 2012 , 45, 9547-9550	5.5	18
407	Nanoscale investigation of the electrical properties in semiconductor polymer-carbon nanotube hybrid materials. <i>Nanoscale</i> , 2012 , 4, 2705-12	7.7	43
406	Synthesis and characterization of carboxystyryl end-functionalized poly(3-hexylthiophene)/TiO ₂ hybrids in view of photovoltaic applications. <i>Synthetic Metals</i> , 2012 , 162, 1615-1622	3.6	20
405	Novel poly(ester-urethane)s based on polylactide: From reactive extrusion to crystallization and thermal properties. <i>Polymer</i> , 2012 , 53, 5657-5665	3.9	26
404	Influence of shear-induced crystallization on the electrical conductivity of high density polyethylene carbon nanotube nanocomposites. <i>Polymer</i> , 2012 , 53, 5909-5916	3.9	14
403	Polyester-grafted cellulose nanowhiskers: a new approach for tuning the microstructure of immiscible polyester blends. <i>ACS Applied Materials & Interfaces</i> , 2012 , 4, 3364-71	9.5	83
402	Diagnostic assays for Crimean-Congo hemorrhagic fever. <i>Emerging Infectious Diseases</i> , 2012 , 18, 1958-65	10.2	61
401	Recent advances in (reactive) melt processing of cellulose acetate and related biodegradable bio-compositions. <i>Polymer Chemistry</i> , 2012 , 3, 591-595	4.9	32
400	Effect of cellulosic nanowhiskers on the performances of epoxidized acrylic copolymers. <i>Journal of Materials Chemistry</i> , 2012 , 22, 20520		18
399	Photochemical behavior of polylactide/ZnO nanocomposite films. <i>Biomacromolecules</i> , 2012 , 13, 3283-916.9		101
398	4-dimethylaminopyridine-based organoactivation: From simple esterification to lactide ring-opening living polymerization. <i>Journal of Polymer Science Part A</i> , 2012 , 50, 1672-1680	2.5	13
397	Stereocomplexes from Biosourced Lactide/Butylene Succinate-Based Copolymers and Their Role as Crystallization Accelerating Agent. <i>Macromolecular Chemistry and Physics</i> , 2012 , 213, 643-653	2.6	13
396	Imidazolium End-Functionalized ATRP Polymers as Directing Agents for CNT Dispersion and Confinement. <i>Macromolecular Chemistry and Physics</i> , 2012 , 213, 1259-1265	2.6	7
395	Towards high-performance biopackaging: barrier and mechanical properties of dual-action polycaprolactone/zinc oxide nanocomposites. <i>Polymers for Advanced Technologies</i> , 2012 , 23, 1422-1428	3.2	21
394	Carbon nanotube-filled ethylene/vinylacetate copolymers: from in situ catalyzed polymerization to high-performance electro-conductive nanocomposites. <i>Polymers for Advanced Technologies</i> , 2012 , 23, 1435-1440	3.2	4
393	CNTs in Optoelectronic Devices: New Structural and Photophysical Insights on Porphyrin-DWCNTs Hybrid Materials. <i>Advanced Functional Materials</i> , 2012 , 22, 3209-3222	15.6	26
392	Impact-modified polylactide/calcium sulfate composites: Structure and properties. <i>Journal of Applied Polymer Science</i> , 2012 , 125, 4302-4315	2.9	16
391	Selective Grafting of Primary Amines onto Carbon Nanotubes via Free-Radical Treatment in Microwave Plasma Post-Discharge. <i>Polymers</i> , 2012 , 4, 296-315	4.5	18

390	Assessment of new biocompatible poly(N-(morpholino)ethyl methacrylate)-based copolymers by transfection of immortalized keratinocytes. <i>Drug Delivery</i> , 2012 , 19, 112-22	7	8
389	Synthesis and thermal properties of new copolyesters based on polycaprolactone. <i>E-Polymers</i> , 2012 , 12,	2.7	1
388	Relative influences of solution composition and presence of intracrystalline proteins on magnesium incorporation in calcium carbonate minerals: Insight into vital effects. <i>Journal of Geophysical Research</i> , 2011 , 116,		21
387	Universality and Percolation in Biodegradable Poly(E-caprolactone)/Multiwalled Carbon Nanotube Nanocomposites From Broad Band Alternating and Direct Current Conductivity at Various Temperatures. <i>Macromolecules</i> , 2011 , 44, 2819-2828	5.5	48
386	Functionalized cyclic carbonates: from synthesis and metal-free catalyzed ring-opening polymerization to applications. <i>Polymer Chemistry</i> , 2011 , 2, 528-533	4.9	134
385	Dual Versatility of Triazolium-Based Cyclic Carbonate Inimer: From Homopolymerization to On-Demand Thermally Activated Initiating Site. <i>Macromolecules</i> , 2011 , 44, 7493-7498	5.5	18
384	High-performance polylactide/ZnO nanocomposites designed for films and fibers with special end-use properties. <i>Biomacromolecules</i> , 2011 , 12, 1762-71	6.9	199
383	Multi-scale mineralogical characterization of the hypercalcified sponge <i>Petrobiona massiliana</i> (Calcarea, Calcaronea). <i>Journal of Structural Biology</i> , 2011 , 176, 315-29	3.4	14
382	Single crystals morphology of biodegradable double crystalline PLLA-b-PCL diblock copolymers. <i>Polymer</i> , 2011 , 52, 5166-5177	3.9	38
381	Collision-induced dissociation of polymer ions: Charge driven decomposition for sodium-cationized polylactides and isomeric end-group distinction. <i>International Journal of Mass Spectrometry</i> , 2011 , 308, 11-17	1.9	12
380	New approach on the development of plasticized polylactide (PLA): Grafting of poly(ethylene glycol) (PEG) via reactive extrusion. <i>European Polymer Journal</i> , 2011 , 47, 2134-2144	5.2	169
379	From interfacial ring-opening polymerization to melt processing of cellulose nanowhisker-filled polylactide-based nanocomposites. <i>Biomacromolecules</i> , 2011 , 12, 2456-65	6.9	316
378	Novel regioregular poly(3-hexylthiophene)-based polycationic block copolymers. <i>Polymer Bulletin</i> , 2011 , 66, 51-64	2.4	17
377	Photooxidation of polylactide/calcium sulphate composites. <i>Polymer Degradation and Stability</i> , 2011 , 96, 616-623	4.7	78
376	Effect of magnesium dihydroxide nanoparticles on thermal degradation and flame resistance of PMMA nanocomposites. <i>Polymers for Advanced Technologies</i> , 2011 , 22, 1713-1719	3.2	14
375	Bone-guided regeneration: from inert biomaterials to bioactive polymer (nano)composites. <i>Polymers for Advanced Technologies</i> , 2011 , 22, 463-475	3.2	25
374	Organocatalytic depolymerization of poly(ethylene terephthalate). <i>Journal of Polymer Science Part A</i> , 2011 , 49, 1273-1281	2.5	105
373	Crystallization and stereocomplexation behavior of poly(D- and L-lactide)-b-poly(N,N-dimethylamino-2-ethyl methacrylate) block copolymers. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2011 , 49, 1397-1409	2.6	26

372	MALDI-ToF analysis of polythiophene: use of trans-2-[3-(4-t-butyl-phenyl)-2-methyl-2-propenylidene]malononitrile-DCTB-as matrix. <i>Journal of Mass Spectrometry</i> , 2011 , 46, 237-46	2.2	59
371	Electroconductive Polyamide 6/MWNT Nanocomposites: Effect of Nanotube Surface-Coating by in situ Catalyzed Polymerization. <i>Macromolecular Materials and Engineering</i> , 2011 , 296, 408-413	3.9	16
370	Thermoreversibly crosslinked poly(ϵ -caprolactone) as recyclable shape-memory polymer network. <i>Macromolecular Rapid Communications</i> , 2011 , 32, 1264-9	4.8	106
369	Synthesis of clicked imidazolium-containing biosourced copolymers and application in carbon nanotube dispersion. <i>Macromolecular Rapid Communications</i> , 2011 , 32, 1960-4	4.8	13
368	Preparation and characterization of maleated thermoplastic starch-based nanocomposites. <i>Journal of Applied Polymer Science</i> , 2011 , 122, 639-647	2.9	20
367	Combining atom transfer radical polymerization and melt compounding for producing PMMA/clay nanocomposites. <i>Journal of Applied Polymer Science</i> , 2011 , 121, 1355-1364	2.9	7
366	Oxidative degradations of oxodegradable LDPE enhanced with thermoplastic pea starch: Thermo-mechanical properties, morphology, and UV-ageing studies. <i>Journal of Applied Polymer Science</i> , 2011 , 122, 489-496	2.9	31
365	Size dependence of the folding of multiply charged sodium cationized polylactides revealed by ion mobility mass spectrometry and molecular modelling. <i>Chemistry - A European Journal</i> , 2011 , 17, 9738-45	4.8	39
364	Design of cross-linked semicrystalline poly(ϵ -caprolactone)-based networks with one-way and two-way shape-memory properties through Diels-Alder reactions. <i>Chemistry - A European Journal</i> , 2011 , 17, 10135-43	4.8	98
363	Novel polyesteramide-based di- and triblock copolymers: From thermo-mechanical properties to hydrolytic degradation. <i>European Polymer Journal</i> , 2011 , 47, 98-110	5.2	9
362	Reversible positioning at submicrometre scale of carbon nanotubes mediated by pH-sensitive poly(amino-methacrylate) patterns. <i>Chemical Communications</i> , 2011 , 47, 1163-5	5.8	12
361	Supramolecular design of high-performance poly(L-lactide)/carbon nanotube nanocomposites: from melt-processing to rheological, morphological and electrical properties. <i>Journal of Materials Chemistry</i> , 2011 , 21, 16190		23
360	Organocatalytic Synthesis and Postpolymerization Functionalization of Allyl-Functional Poly(carbonate)s. <i>Macromolecules</i> , 2011 , 44, 2084-2091	5.5	127
359	Osteoconductive and bioresorbable composites based on poly(L,L-lactide) and pseudowollastonite: from synthesis and interfacial compatibilization to in vitro bioactivity and in vivo osseointegration studies. <i>Biomacromolecules</i> , 2011 , 12, 692-700	6.9	16
358	Poly(ethylene oxide)-b-poly(L-lactide) diblock copolymer/carbon nanotube-based nanocomposites: LiCl as supramolecular structure-directing agent. <i>Biomacromolecules</i> , 2011 , 12, 4086-94	6.9	28
357	Semi-crystalline poly(ϵ -caprolactone) brushes on gold substrate via "grafting from" method: New insights with AFM characterization. <i>European Polymer Journal</i> , 2011 , 47, 31-39	5.2	15
356	Thermal degradation of poly(L-lactide): Accelerating effect of residual DBU-based organic catalysts. <i>Polymer Degradation and Stability</i> , 2011 , 96, 739-744	4.7	28
355	Poly(ϵ -caprolactone) based nanocomposites reinforced by surface-grafted cellulose nanowhiskers via extrusion processing: Morphology, rheology, and thermo-mechanical properties. <i>Polymer</i> , 2011 , 52, 1532-1538	3.9	183

354	Guanidine-based polycarbonate hydrogels: from metal-free ring-opening polymerization to reversible self-assembling properties. <i>Soft Matter</i> , 2011 , 7, 9628	3.6	24
353	Surface and Fouling-Release Properties of Silicone/Organomodified Montmorillonite Coatings. <i>Journal of Adhesion Science and Technology</i> , 2011 , 25, 1689-1700	2	19
352	Amphotericin B aggregation inhibition with novel nanoparticles prepared with poly(epsilon-caprolactone)/poly(n,n-dimethylamino-2-ethyl methacrylate) diblock copolymer. <i>Journal of Microbiology and Biotechnology</i> , 2011 , 21, 28-36	3.3	14
351	Comparison of Matrix Assisted Laser Desorption/ Ionization Mass Spectrometry with Electrospray Ionisation Mass Spectrometry for the characterisation of semitelechelic polyethylene oxide. <i>E-Polymers</i> , 2010 , 10,	2.7	1
350	Marine fouling release silicone/carbon nanotube nanocomposite coatings: on the importance of the nanotube dispersion state. <i>Journal of Nanoscience and Nanotechnology</i> , 2010 , 10, 2972-8	1.3	45
349	Exploring the versatility of hydrogels derived from living organocatalytic ring-opening polymerization. <i>Soft Matter</i> , 2010 , 6, 2006	3.6	24
348	Synthesis and supramolecular organization of regioregular polythiophene block oligomers. <i>Journal of Organic Chemistry</i> , 2010 , 75, 1561-8	4.2	41
347	Controlled room temperature ROP of L-lactide by ICl ₃ : a simple halogen-bonding catalyst. <i>Polymer Chemistry</i> , 2010 , 1, 434-437	4.9	70
346	Poly(lactide) stereocomplex-based electrospun materials possessing surface with antibacterial and hemostatic properties. <i>Biomacromolecules</i> , 2010 , 11, 151-9	6.9	71
345	Crystallization Kinetics and Morphology of Biodegradable Double Crystalline PLLA-b-PCL Diblock Copolymers. <i>Macromolecules</i> , 2010 , 43, 4149-4160	5.5	146
344	Tuning of the surface biological behavior of poly(L-lactide)-based electrospun materials by polyelectrolyte complex formation. <i>Biomacromolecules</i> , 2010 , 11, 521-32	6.9	27
343	Probe-Based Nanolithography: Self-Amplified Depolymerization Media for Dry Lithography. <i>Macromolecules</i> , 2010 , 43, 572-574	5.5	70
342	Stereocomplexed Materials Based on Poly(3-hexylthiophene)-b-poly(lactide) Block Copolymers: Synthesis by Organic Catalysis, Thermal Properties, and Microscopic Morphology. <i>Macromolecules</i> , 2010 , 43, 8957-8964	5.5	27
341	High Molecular Weight Poly(2,2-trisubstituted 1,3-lactones) As Generated by Metal-Free Phosphazene Catalysts.. <i>Macromolecules</i> , 2010 , 43, 10291-10296	5.5	41
340	From polyester grafting onto POSS nanocage by ring-opening polymerization to high performance polyester/POSS nanocomposites. <i>Journal of Materials Chemistry</i> , 2010 , 20, 9415		44
339	Poly(amino-methacrylate) as versatile agent for carbon nanotube dispersion: an experimental, theoretical and application study. <i>Journal of Materials Chemistry</i> , 2010 , 20, 6873		36
338	Imidazolium end-functionalized poly(L-lactide) for efficient carbon nanotube dispersion. <i>Chemical Communications</i> , 2010 , 46, 5527-9	5.8	30
337	Quantifying the degree of nanofiller dispersion by advanced thermal analysis: application to polyester nanocomposites prepared by various elaboration methods. <i>Journal of Materials Chemistry</i> , 2010 , 20, 9531		20

336	From Jellyfish Macromolecular Architectures to Nanodoughnut Self-Assembly. <i>Macromolecules</i> , 2010 , 43, 575-579	5.5	21
335	Growth rate and chemical features of the massive calcium carbonate skeleton of <i>Petrobiona massiliana</i> (Baeriida: Calcaronea: Calcispongiae). <i>Journal of the Marine Biological Association of the United Kingdom</i> , 2010 , 90, 749-754	1.1	6
334	Aggregation of Carbon Nanotubes in Semidilute Suspension. <i>Macromolecules</i> , 2010 , 43, 1467-1472	5.5	34
333	Temperature, salinity and growth rate dependences of Mg/Ca and Sr/Ca ratios of the skeleton of the sea urchin <i>Paracentrotus lividus</i> (Lamarck): an experimental approach. <i>Marine Biology</i> , 2010 , 157, 1293-1300	2.5	33
332	Effect of expanded graphite/layered-silicate clay on thermal, mechanical and fire retardant properties of poly(lactic acid). <i>Polymer Degradation and Stability</i> , 2010 , 95, 1063-1076	4.7	134
331	Probe-based 3-D nanolithography using self-amplified depolymerization polymers. <i>Advanced Materials</i> , 2010 , 22, 3361-5	24	123
330	Cobalt-mediated radical coupling (CMRC): an unusual route to midchain-functionalized symmetrical macromolecules. <i>Chemistry - A European Journal</i> , 2010 , 16, 1799-811	4.8	47
329	Thermal, morphological, and mechanical characterization of novel carbon nanofiber-filled bismaleimide composites. <i>Journal of Applied Polymer Science</i> , 2010 , 117, 2159-2167	2.9	12
328	Tailoring of Co-Continuous Polymer Blend Morphology: Joint Action of Nanoclays and Compatibilizers. <i>Macromolecular Chemistry and Physics</i> , 2010 , 211, 1433-1440	2.6	25
327	Synthesis and Characterization of Nanocomposites Based on Functional Regioregular Poly(3-hexylthiophene) and Multiwall Carbon Nanotubes. <i>Macromolecular Rapid Communications</i> , 2010 , 31, 1427-34	4.8	40
326	Synthesis of brush-like copolymers using carbohydrates as initiators: Benefits of organic catalysts for the ROP of lactones. <i>Reactive and Functional Polymers</i> , 2010 , 70, 747-754	4.6	5
325	Mechanistic study of the collision-induced dissociation of sodium-cationized polylactide oligomers: a joint experimental and theoretical investigation. <i>Journal of the American Society for Mass Spectrometry</i> , 2010 , 21, 1159-68	3.5	24
324	New trends in polylactide (PLA)-based materials: Green PLA/calcium sulfate (nano)composites tailored with flame retardant properties. <i>Polymer Degradation and Stability</i> , 2010 , 95, 374-381	4.7	133
323	The production and properties of polylactide composites filled with expanded graphite. <i>Polymer Degradation and Stability</i> , 2010 , 95, 889-900	4.7	217
322	Regioregular poly(3-hexylthiophene)-poly(ϵ -caprolactone) block copolymers: Controlled synthesis, microscopic morphology, and charge transport properties. <i>Organic Electronics</i> , 2010 , 11, 767-774	3.5	36
321	Poly(hexamethylene terephthalate)/layered silicate nanocomposites. <i>European Polymer Journal</i> , 2010 , 46, 156-164	5.2	14
320	Effect of sequence distribution on the isothermal crystallization kinetics and successive self-nucleation and annealing (SSA) behavior of poly(ϵ -caprolactone-co- ϵ -caprolactam) copolymers. <i>European Polymer Journal</i> , 2010 , 46, 1334-1344	5.2	34
319	Synthesis of a family of amphiphilic glycopolymers via controlled ring-opening polymerization of functionalized cyclic carbonates and their application in drug delivery. <i>Biomaterials</i> , 2010 , 31, 2637-45	15.6	151

318	Investigation on the dispersion of carbon nanotubes in nitrile butadiene rubber: Role of polymer-to-filler grafting reaction. <i>Composites Science and Technology</i> , 2010 , 70, 1453-1459	8.6	41
317	Synthesis of amphiphilic A3B mikto-arm copolymers from a sugar core: Combination of hydrophobic PCL and hydrophilic glycopolymers for biocompatible nanovector preparation. <i>Journal of Polymer Science Part A</i> , 2010 , 48, 3271-3280	2.5	9
316	Use of a new natural clay to produce poly(methyl methacrylate)-based nanocomposites. <i>Polymer International</i> , 2010 , 59, 71-77	3.3	15
315	Salinity effects on the Mg/Ca and Sr/Ca in starfish skeletons and the echinoderm relevance for paleoenvironmental reconstructions. <i>Geology</i> , 2009 , 37, 351-354	5	37
314	Voltage tuning of the resonance frequency of electroactive polymer membranes over a range of more than 75% 2009 ,		2
313	Exfoliation of clays in poly(dimethylsiloxane) rubber using an unexpected couple: a silicone surfactant and water. <i>Journal of Nanoscience and Nanotechnology</i> , 2009 , 9, 2731-8	1.3	16
312	(Quaternized/betainized) amino-based amphiphilic block copolymers: quantitative composition characterization via FTIR and thermogravimetry. <i>E-Polymers</i> , 2009 , 9,	2.7	2
311	Efficient intracellular siRNA delivery strategy through rapid and simple two steps mixing involving noncovalent post-PEGylation. <i>Journal of Controlled Release</i> , 2009 , 138, 141-7	11.7	29
310	Metal Ion Implantation for the Fabrication of Stretchable Electrodes on Elastomers. <i>Advanced Functional Materials</i> , 2009 , 19, 470-478	15.6	156
309	Novel Polyesteramide-Based Diblock Copolymers: Synthesis by Ring-Opening Copolymerization and Characterization. <i>Macromolecular Chemistry and Physics</i> , 2009 , 210, 1033-1043	2.6	22
308	Hydrogen-Bonding Catalysts Based on Fluorinated Alcohol Derivatives for Living Polymerization. <i>Angewandte Chemie</i> , 2009 , 121, 5272-5275	3.6	24
307	Hydrogen-bonding catalysts based on fluorinated alcohol derivatives for living polymerization. <i>Angewandte Chemie - International Edition</i> , 2009 , 48, 5170-3	16.4	96
306	Optimized water-based ATRP of an anionic monomer: Comprehension and properties characterization. <i>Journal of Polymer Science Part A</i> , 2009 , 47, 1108-1119	2.5	14
305	Polyelectrolyte complex nanoparticles from N-carboxyethylchitosan and polycationic double hydrophilic diblock copolymers. <i>Journal of Polymer Science Part A</i> , 2009 , 47, 2105-2117	2.5	11
304	Functionalization of MWCNTs with atomic nitrogen. <i>Micron</i> , 2009 , 40, 85-8	2.3	25
303	New prospects in flame retardant polymer materials: From fundamentals to nanocomposites. <i>Materials Science and Engineering Reports</i> , 2009 , 63, 100-125	30.9	1132
302	Plasticization of poly(lactide) with blends of tributyl citrate and low molecular weight poly(d,l-lactide)-b-poly(ethylene glycol) copolymers. <i>European Polymer Journal</i> , 2009 , 45, 2839-2848	5.2	131
301	Transport properties of organic vapours in silicone/clay nanocomposites. <i>Polymer</i> , 2009 , 50, 3626-3637	3.9	27

300	Ad hoc wireless sensor networks for exploration of Solar-system bodies. <i>Acta Astronautica</i> , 2009 , 64, 626-643	2.9	9
299	Expanding the role of chemistry to produce new amphiphilic polymer (co)networks. <i>Soft Matter</i> , 2009 , 5, 4878	3.6	75
298	Natural polyampholyte-based core-shell nanoparticles with N-carboxyethylchitosan-containing core and poly(ethylene oxide) shell. <i>Biomacromolecules</i> , 2009 , 10, 838-44	6.9	11
297	Broadening the Scope of Functional Groups Accessible in Aliphatic Polycarbonates by the Introduction of RAFT Initiating Sites. <i>Macromolecules</i> , 2009 , 42, 6319-6321	5.5	25
296	Rheology, Processing, Tensile Properties, and Crystallization of Polyethylene/Carbon Nanotube Nanocomposites. <i>Macromolecules</i> , 2009 , 42, 4719-4727	5.5	137
295	Amphiphilic poly(D- or L-lactide)-b-poly(N,N-dimethylamino-2-ethyl methacrylate) block copolymers: controlled synthesis, characterization, and stereocomplex formation. <i>Biomacromolecules</i> , 2009 , 10, 1217-23	6.9	62
294	Probing the interaction between DNA and cell transfection polymers with luminescent Rullcomplexes. <i>New Journal of Chemistry</i> , 2009 , 33, 1047	3.6	1
293	Cumulated advantages of enzymatic and carbene chemistry for the non-organometallic synthesis of (co)polyesters. <i>Chemical Communications</i> , 2009 , 2472-4	5.8	13
292	Large-Stroke Dielectric Elastomer Actuators With Ion-Implanted Electrodes. <i>Journal of Microelectromechanical Systems</i> , 2009 , 18, 1300-1308	2.5	68
291	Calcium Sulfate as High-Performance Filler for Polylactide (PLA) or How to Recycle Gypsum as By-product of Lactic Acid Fermentation Process. <i>Composite Interfaces</i> , 2009 , 16, 65-84	2.3	7
290	Effect of Sequence Distribution on the Morphology, Crystallization, Melting, and Biodegradation of Poly(ϵ -caprolactone-co- ϵ -caprolactam) Copolymers. <i>Macromolecules</i> , 2009 , 42, 6671-6681	5.5	35
289	Physical and mechanical properties of amphiphilic and adaptative polymer conetworks produced by Atom Transfer Radical Polymerization. <i>ACS Symposium Series</i> , 2009 , 269-296	0.4	
288	Viscoelasticity of Brownian Carbon Nanotubes in PDMS Semidilute Regime. <i>Macromolecules</i> , 2009 , 42, 1433-1438	5.5	47
287	Metastable processes investigated on an orthogonal-axis time-of-flight instrument: mass-scale calibration and application. <i>European Journal of Mass Spectrometry</i> , 2009 , 15, 431-7	1.1	5
286	Factors affecting the properties of PLA/CaSO ₄ composites: homogeneity and interactions. <i>EXPRESS Polymer Letters</i> , 2009 , 3, 49-61	3.4	37
285	Bionanocomposites based on poly(ϵ -caprolactone)-grafted cellulose nanocrystals by ring-opening polymerization. <i>Journal of Materials Chemistry</i> , 2008 , 18, 5002		525
284	Microscopic morphology of chlorinated polyethylene-based nanocomposites synthesized from poly(ϵ -caprolactone)/clay masterbatches. <i>Langmuir</i> , 2008 , 24, 2072-80	4	14
283	Polytetrahydrofuran/Clay Nanocomposites by In Situ Polymerization and Click Chemistry Processes. <i>Macromolecules</i> , 2008 , 41, 6035-6040	5.5	102

282	Influence of the macromolecular architecture on the self-assembly of amphiphilic copolymers based on poly(N,N-dimethylamino-2-ethyl methacrylate) and poly(epsilon-caprolactone). <i>Langmuir</i> , 2008 , 24, 8272-9	4	32
281	Ion-implanted compliant and patternable electrodes for miniaturized dielectric elastomer actuators 2008 ,		6
280	Functionalization of MWCNTs with atomic nitrogen: electronic structure. <i>Journal Physics D: Applied Physics</i> , 2008 , 41, 045202	3	19
279	Undecyltin Trichloride Grafted onto Cross-Linked Polystyrene: An Efficient Catalyst for Ring-Opening Polymerization of ?-Caprolactone. <i>Organometallics</i> , 2008 , 27, 1841-1849	3.8	15
278	Poly(caprolactone)/clay masterbatches prepared in supercritical CO2 as efficient clay delamination promoters in poly(styrene-co-acrylonitrile). <i>Journal of Materials Chemistry</i> , 2008 , 18, 4623		15
277	Preparation and characterisation of silicone-based coatings filled with carbon nanotubes and natural sepiolite and their application as marine fouling-release coatings. <i>Biofouling</i> , 2008 , 24, 291-302	3.3	184
276	Effect of filler content and size on transport properties of water vapor in PLA/calcium sulfate composites. <i>Biomacromolecules</i> , 2008 , 9, 984-90	6.9	49
275	Thermal Fractionation and Isothermal Crystallization of Polyethylene Nanocomposites Prepared by in Situ Polymerization. <i>Macromolecules</i> , 2008 , 41, 2087-2095	5.5	84
274	Voltage Control of the Resonance Frequency of Dielectric Electroactive Polymer (DEAP) Membranes. <i>Journal of Microelectromechanical Systems</i> , 2008 , 17, 1072-1081	2.5	88
273	Tandem Action of Early/Late Transition Metal Catalysts for the Surface Coating of Multiwalled Carbon Nanotubes with Linear Low-Density Polyethylene. <i>Chemistry of Materials</i> , 2008 , 20, 3092-3098	9.6	32
272	Study of Interlayer Spacing Collapse During Polymer/Clay Nanocomposite Melt Intercalation. <i>Journal of Nanoscience and Nanotechnology</i> , 2008 , 8, 1707-1713	1.3	21
271	Polylactide (PLA) and Highly Filled PLA - Calcium Sulfate Composites with Improved Impact Properties. <i>Macromolecular Symposia</i> , 2008 , 272, 1-12	0.8	34
270	Fire and Gas Barrier Properties of Poly(styrene-co-acrylonitrile) Nanocomposites Using Polycaprolactone/Clay Nanohybrid Based-Masterbatch. <i>Advances in Materials Science and Engineering</i> , 2008 , 2008, 1-11	1.5	12
269	Controlled synthesis of amphiphilic block copolymers based on polyester and poly(amino methacrylate): Comprehensive study of reaction mechanisms. <i>Reactive and Functional Polymers</i> , 2008 , 68, 990-1003	4.6	30
268	From carbon nanotube coatings to high-performance polymer nanocomposites. <i>Polymer International</i> , 2008 , 57, 547-553	3.3	65
267	Carbohydrate-based amphiphilic diblock copolymers: Synthesis, characterization, and aqueous properties. <i>Journal of Polymer Science Part A</i> , 2008 , 46, 3662-3672	2.5	31
266	Synthesis of adaptative and amphiphilic polymer model conetworks by versatile combination of ATRP, ROP, and Click chemistry <i>Journal of Polymer Science Part A</i> , 2008 , 46, 4997-5013	2.5	43
265	Self-assembly of N-carboxyethylchitosan near the isoelectric point. <i>Journal of Polymer Science Part A</i> , 2008 , 46, 6712-6721	2.5	9

264	Poly(lactide) (PLA) designed with desired end-use properties: 1. PLA compositions with low molecular weight ester-like plasticizers and related performances. <i>Polymers for Advanced Technologies</i> , 2008 , 19, 636-646	3.2	128
263	In situ compatibilization of maleated thermoplastic starch/polyester melt-blends by reactive extrusion. <i>Polymer Engineering and Science</i> , 2008 , 48, 1747-1754	2.3	92
262	Novel High-Performance Talc/Poly[(butylene adipate)-co-terephthalate] Hybrid Materials. <i>Macromolecular Materials and Engineering</i> , 2008 , 293, 310-320	3.9	49
261	Recent Advances in Reactive Extrusion Processing of Biodegradable Polymer-Based Compositions. <i>Macromolecular Materials and Engineering</i> , 2008 , 293, 447-470	3.9	165
260	End-Grained Wood/Polyurethane Composites, 3 Isocyanate-Free Route. <i>Macromolecular Materials and Engineering</i> , 2008 , 293, 581-588	3.9	1
259	Novel biodegradable adaptive hydrogels: controlled synthesis and full characterization of the amphiphilic co-networks. <i>Chemistry - A European Journal</i> , 2008 , 14, 6369-78	4.8	26
258	Evaluation of cell affinity on poly(L-lactide) and poly(epsilon-caprolactone) blends and on PLLA-b-PCL diblock copolymer surfaces. <i>Journal of Biomedical Materials Research - Part A</i> , 2008 , 87, 405-414	5.4	31
257	Designing polylactide/clay nanocomposites for textile applications: Effect of processing conditions, spinning, and characterization. <i>Journal of Applied Polymer Science</i> , 2008 , 109, 841-851	2.9	69
256	Polylactide compositions. The influence of ageing on the structure, thermal and viscoelastic properties of PLA/calcium sulfate composites. <i>Polymer Degradation and Stability</i> , 2008 , 93, 925-931	4.7	45
255	Activation of the hydrolytic polymerization of epsilon-caprolactam by ester functions: Straightforward route to aliphatic polyesteramides. <i>Reactive and Functional Polymers</i> , 2008 , 68, 1392-1407	4.6	14
254	Maleated thermoplastic starch by reactive extrusion. <i>Carbohydrate Polymers</i> , 2008 , 74, 159-169	10.3	116
253	Novel electrospun poly(epsilon-caprolactone)-based bicomponent nanofibers possessing surface enriched in tertiary amino groups. <i>European Polymer Journal</i> , 2008 , 44, 566-578	5.2	28
252	Synthesis and characterization of original 2-(dimethylamino)ethyl methacrylate/poly(ethyleneglycol) star-copolymers. <i>European Polymer Journal</i> , 2008 , 44, 3715-3723	5.2	16
251	Chlorinated polyethylene nanocomposites using PCL/clay nanohybrid masterbatches. <i>European Polymer Journal</i> , 2008 , 44, 1673-1685	5.2	16
250	Poly(lactide) (PLA)/CaSO4 composites toughened with low molecular weight and polymeric ester-like plasticizers and related performances. <i>European Polymer Journal</i> , 2008 , 44, 3842-3852	5.2	80
249	Microscopic morphology of blends between a new 6-ll-acrylate radial block copolymer and a rosin ester resin for pressure sensitive adhesives. <i>European Polymer Journal</i> , 2008 , 44, 3931-3940	5.2	15
248	N-Heterocyclic carbene catalysis - from simple organic reactions to polymerization of cyclic esters. <i>Polimery</i> , 2008 , 53, 255-267	3.4	6
247	Polyelectrolyte complexes between (cross-linked) N-carboxyethylchitosan and (quaternized) poly[2-(dimethylamino)ethyl methacrylate]: preparation, characterization, and antibacterial properties. <i>Biomacromolecules</i> , 2007 , 8, 976-84	6.9	69

246	Synthesis and supramolecular organization of amphiphilic diblock copolymers combining poly(N,N-dimethylamino-2-ethyl methacrylate) and poly(epsilon-caprolactone). <i>Langmuir</i> , 2007 , 23, 2339-2345	4.8	62
245	Supported metallocene catalysis as an efficient tool for the preparation of polyethylene/carbon nanotube nanocomposites: effect of the catalytic system on the coating morphology. <i>Journal of Materials Chemistry</i> , 2007 , 17, 2359		40
244	Reaction rates as a function of scale within ionic liquids: microscale in droplet microreactors versus macroscale reactions in the case of the Grieco three-component condensation reaction. <i>Chemistry - A European Journal</i> , 2007 , 13, 5642-8	4.8	18
243	A distinctive organocatalytic approach to complex macromolecular architectures. <i>Angewandte Chemie - International Edition</i> , 2007 , 46, 4719-21	16.4	48
242	Catalytic properties of cross-linked polystyrene grafted diorganotin in a model transesterification and the ring-opening polymerization of epsilon-caprolactone. <i>Applied Organometallic Chemistry</i> , 2007 , 21, 504-513	3.1	20
241	A Distinctive Organocatalytic Approach to Complex Macromolecular Architectures. <i>Angewandte Chemie</i> , 2007 , 119, 4803-4805	3.6	2
240	Controlled Synthesis and Characterization of Poly[ethylene-block-(L,L-lactide)]s by Combining Catalytic Ethylene Oligomerization with Coordination-Insertion/Ring-Opening Polymerization. <i>Macromolecular Chemistry and Physics</i> , 2007 , 208, 896-902	2.6	37
239	How can Nanohybrids Enhance Polyester/Sepiolite Nanocomposite Properties?. <i>Macromolecular Chemistry and Physics</i> , 2007 , 208, 2542-2550	2.6	70
238	How Carbon Nanotube Crushing can Improve Flame Retardant Behaviour in Polymer Nanocomposites?. <i>Macromolecular Rapid Communications</i> , 2007 , 28, 260-264	4.8	91
237	Ethylene/Norbornene Copolymerization by Carbon Nanotube-Supported Metallocene Catalysis: Generation of High-Performance Polyolefinic Nanocomposites. <i>Macromolecular Rapid Communications</i> , 2007 , 28, 822-827	4.8	27
236	Stable Aqueous Dispersion of PEGylated Nanoparticles by Polyelectrolyte Complex Formation. <i>Macromolecular Rapid Communications</i> , 2007 , 28, 1361-1365	4.8	7
235	One-Pot Synthesis of Well-Defined Amphiphilic and Adaptative Block Copolymers via Versatile Combination of Click Chemistry and ATRP. <i>Macromolecular Rapid Communications</i> , 2007 , 28, 2151-2158	4.8	73
234	Polyelectrolyte complexes based on (quaternized) poly[(2-dimethylamino)ethyl methacrylate]: behavior in contact with blood. <i>Macromolecular Bioscience</i> , 2007 , 7, 940-54	5.5	28
233	New organic/organic nanohybrids via ring opening polymerization of (di)lactones initiated by functionalized polyhedral oligomeric silsesquioxane. <i>European Polymer Journal</i> , 2007 , 43, 4103-4113	5.2	77
232	Chlorinated polyethylene/layered silicate nanocomposites: Poly(epsilon-caprolactone)-based Masterbatch Approach. <i>European Polymer Journal</i> , 2007 , 43, 4160-4168	5.2	18
231	Actuation potentials and capillary forces in electrowetting based microsystems. <i>Sensors and Actuators A: Physical</i> , 2007 , 134, 471-479	3.9	104
230	Copolymerization of vinyl acetate with 1-octene and ethylene by cobalt-mediated radical polymerization. <i>Journal of Polymer Science Part A</i> , 2007 , 45, 2532-2542	2.5	38
229	Interfacial interaction in EVA-carbon nanotube and EVA-clay nanocomposites. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2007 , 45, 1291-1302	2.6	24

228	Poly lactide compositions. II. Correlation between morphology and main properties of PLA/calcium sulfate composites. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2007 , 45, 2770-2780	2.6	35
227	Miscibility in poly(L-lactide)-b-poly(epsilon-caprolactone) double crystalline diblock copolymers. <i>European Physical Journal E</i> , 2007 , 23, 295-303	1.5	36
226	(Plasticized) Polylactide/clay nanocomposite textile: thermal, mechanical, shrinkage and fire properties. <i>Journal of Materials Science</i> , 2007 , 42, 5105-5117	4.3	82
225	The influence of the matrix polarity on the morphology and properties of ethylene vinyl acetate copolymers/carbon nanotube nanocomposites. <i>Composites Science and Technology</i> , 2007 , 67, 1659-1665	8.6	42
224	Polymer/carbon nanotube nanocomposites: Influence of carbon nanotubes on EVA photodegradation. <i>Polymer Degradation and Stability</i> , 2007 , 92, 1873-1882	4.7	95
223	Poly lactide compositions. Part 1: Effect of filler content and size on mechanical properties of PLA/calcium sulfate composites. <i>Polymer</i> , 2007 , 48, 2613-2618	3.9	78
222	New poly(acrylic acid) containing segmented copolymer structures by combination of click chemistry and atom transfer radical polymerization. <i>Reactive and Functional Polymers</i> , 2007 , 67, 1168-1180	4.6	78
221	Mechanical properties of electroactive polymer microactuators with ion-implanted electrodes 2007 , 6524, 266		7
220	Synthesis of Biomimetic Poly(hydroxybutyrate): Alkoxy- and Carboxytriazolines as Latent Ionic Initiator. <i>Macromolecules</i> , 2007 , 40, 8560-8567	5.5	32
219	Thermal and Morphological Characterization of Nanocomposites Prepared by in-Situ Polymerization of High-Density Polyethylene on Carbon Nanotubes. <i>Macromolecules</i> , 2007 , 40, 6268-6276	5.5	174
218	Functionalization of carbon nanotubes by atomic nitrogen formed in a microwave plasma Ar + N ₂ and subsequent poly(epsilon-caprolactone) grafting. <i>Journal of Materials Chemistry</i> , 2007 , 17, 157-159		69
217	Bulk Polymerization of (L,L)-Lactide Using Non-Organometallic Triazolium Carbene: Limited Advantages. <i>The Open Macromolecules Journal</i> , 2007 , 1, 1-5		4
216	Synthesis and Micellization Properties of Novel Symmetrical Poly(epsilon-caprolactone-b-[R,S]-malic acid-b-epsilon-caprolactone) Triblock Copolymers. <i>Macromolecular Chemistry and Physics</i> , 2006 , 207, 484-491	2.6	17
215	Synthesis of Silicone-Methacrylate Copolymers by ATRP Using a Nickel-Based Supported Catalyst. <i>Macromolecular Chemistry and Physics</i> , 2006 , 207, 1116-1125	2.6	22
214	Preparation of Well-Defined Poly[(ethylene oxide)-block-(sodium 2-acrylamido-2-methyl-1-propane sulfonate)] Diblock Copolymers by Water-Based Atom Transfer Radical Polymerization. <i>Macromolecular Rapid Communications</i> , 2006 , 27, 1489-1494	4.8	28
213	Performant Clay/Carbon Nanotube Polymer Nanocomposites. <i>Advanced Engineering Materials</i> , 2006 , 8, 147-154	3.5	59
212	Metal-Free Catalyzed Ring-Opening Polymerization of epsilon-Lactones: Synthesis of Amphiphilic Triblock Copolymers Based on Poly(dimethylmalic acid). <i>Macromolecules</i> , 2006 , 39, 4001-4008	5.5	81
211	Levels and effects of PCDD/Fs and co-PCBs in sediments, mussels, and sea stars of the intertidal zone in the southern North Sea and the English Channel. <i>Ecotoxicology and Environmental Safety</i> , 2006 , 65, 188-200	7	13

210	Ionic liquid droplet as e-microreactor. <i>Analytical Chemistry</i> , 2006 , 78, 4909-17	7.8	133
209	Polyethylene organo-clay nanocomposites: the role of the interface chemistry on the extent of clay intercalation/exfoliation. <i>Journal of Nanoscience and Nanotechnology</i> , 2006 , 6, 337-44	1.3	35
208	Three-arm poly (ε-caprolactone) by extrusion polymerization. <i>Polymer Engineering and Science</i> , 2006 , 46, 235-240	2.3	29
207	Comprehensive study on the formation of polyelectrolyte complexes from (quaternized) poly[2-(dimethylamino)ethyl methacrylate] and poly(2-acrylamido-2-methylpropane sodium sulfonate). <i>Journal of Polymer Science Part A</i> , 2006 , 44, 5468-5479	2.5	27
206	Plasticized polylactide/clay nanocomposites. I. The role of filler content and its surface organo-modification on the physico-chemical properties. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2006 , 44, 299-311	2.6	103
205	Plasticized polylactide/clay nanocomposites. II. The effect of aging on structure and properties in relation to the filler content and the nature of its organo-modification. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2006 , 44, 312-325	2.6	56
204	Copper-based supported catalysts for the atom transfer radical polymerization of methyl methacrylate: How can activity and control be tuned up?. <i>Journal of Polymer Science Part A</i> , 2006 , 44, 744-756	2.5	17
203	Biodegradable materials by reactive extrusion: from catalyzed polymerization to functionalization and blend compatibilization. <i>Comptes Rendus Chimie</i> , 2006 , 9, 1370-1379	2.7	51
202	Transesterification catalysts to improve clay exfoliation in synthetic biodegradable polyester nanocomposites. <i>European Polymer Journal</i> , 2006 , 42, 1330-1341	5.2	43
201	From controlled ring-opening polymerization to biodegradable aliphatic polyester: Especially poly(β-malic acid) derivatives. <i>Progress in Polymer Science</i> , 2006 , 31, 723-747	29.6	314
200	Microactuators based on ion implanted dielectric electroactive polymer (EAP) membranes. <i>Sensors and Actuators A: Physical</i> , 2006 , 130-131, 147-154	3.9	44
199	Alcohol Adducts of N-Heterocyclic Carbenes: Latent Catalysts for the Thermally-Controlled Living Polymerization of Cyclic Esters. <i>Macromolecules</i> , 2006 , 39, 5617-5628	5.5	133
198	Supported coordination polymerization: a unique way to potent polyolefin carbon nanotube nanocomposites. <i>Chemical Communications</i> , 2005 , 781-3	5.8	95
197	Nickel-Catalyzed Supported ATRP of Methyl Methacrylate Using Cross-Linked Polystyrene Triphenylphosphine as Ligand. <i>Macromolecules</i> , 2005 , 38, 9999-10006	5.5	25
196	Crystallization in Poly(l-lactide)-b-poly(ε-caprolactone) Double Crystalline Diblock Copolymers: A Study Using X-ray Scattering, Differential Scanning Calorimetry, and Polarized Optical Microscopy. <i>Macromolecules</i> , 2005 , 38, 463-472	5.5	142
195	Self-nucleation and crystallization kinetics of double crystalline poly(p-dioxanone)-b-poly(epsilon-caprolactone) diblock copolymers. <i>Faraday Discussions</i> , 2005 , 128, 231-52; discussion 321-39	3.6	122
194	Synthesis of Amphiphilic Poly((R,S)-β-malic acid)-graft-poly(ε-caprolactone): Grafting From and Grafting Through Approaches. <i>Macromolecules</i> , 2005 , 38, 3141-3150	5.5	33
193	Polylactide/montmorillonite nanocomposites: study of the hydrolytic degradation. <i>Polymer Degradation and Stability</i> , 2005 , 87, 535-542	4.7	246

192	Poly(ethylene-co-vinyl acetate)/clay nanocomposites: Effect of clay nature and organic modifiers on morphology, mechanical and thermal properties. <i>Polymer Degradation and Stability</i> , 2005 , 90, 288-294	4.7	106
191	Reactivity ratios in conventional and nickel-mediated radical copolymerization of methyl methacrylate and functionalized methacrylate monomers. <i>European Polymer Journal</i> , 2005 , 41, 2255-2263	5.2	29
190	Amphiphilic poly(N,N-dimethylamino-2-ethyl methacrylate)-g-poly(ϵ -caprolactone) graft copolymers: synthesis and characterisation. <i>European Polymer Journal</i> , 2005 , 41, 1187-1195	5.2	45
189	Solution properties of well-defined 2-(dimethylamino)ethyl methacrylate-based (co)polymers: A viscometric approach. <i>European Polymer Journal</i> , 2005 , 41, 1502-1509	5.2	37
188	Production of starch foams by twin-screw extrusion: effect of maleated poly(butylene adipate-co-terephthalate) as a compatibilizer. <i>Biomacromolecules</i> , 2005 , 6, 807-17	6.9	130
187	Latent, thermally activated organic catalysts for the on-demand living polymerization of lactide. <i>Angewandte Chemie - International Edition</i> , 2005 , 44, 4964-8	16.4	124
186	Latent, Thermally Activated Organic Catalysts for the On-Demand Living Polymerization of Lactide. <i>Angewandte Chemie</i> , 2005 , 117, 5044-5048	3.6	40
185	(Plasticized) Polylactide/(Organo-)Clay Nanocomposites by in situ Intercalative Polymerization. <i>Macromolecular Chemistry and Physics</i> , 2005 , 206, 484-498	2.6	94
184	Hydrolytic Degradation of Double Crystalline PPDx-b-PCL Diblock Copolymers. <i>Macromolecular Chemistry and Physics</i> , 2005 , 206, 903-914	2.6	28
183	Polystyrene-supported organotin dichloride as a recyclable catalyst in lactone ring-opening polymerization: assessment and catalysis monitoring by high-resolution magic-angle-spinning NMR spectroscopy. <i>Chemistry - A European Journal</i> , 2005 , 11, 4552-61	4.8	32
182	Gas barrier properties of poly(ϵ -caprolactone)/clay nanocomposites: Influence of the morphology and polymer/clay interactions. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2005 , 43, 205-214	2.6	147
181	Melt-stable poly(1,4-dioxan-2-one) (co)polymers by ring-opening polymerization via continuous reactive extrusion. <i>Polymer Engineering and Science</i> , 2005 , 45, 622-629	2.3	28
180	Surfactant-free stable nanoparticles from biodegradable and amphiphilic poly(ϵ -caprolactone)-grafted dextran copolymers. <i>E-Polymers</i> , 2005 , 5,	2.7	1
179	Polymer Layered Silicate/Carbon Nanotube Nanocomposites: Morphological and Rheological Properties. <i>Macromolecular Symposia</i> , 2005 , 221, 115-126	0.8	17
178	Controlled Ring-Opening (Co)Polymerization of Lactones Initiated from Cadmium Sulfide Nanoparticles. <i>Journal of Macromolecular Science - Pure and Applied Chemistry</i> , 2004 , 41, 697-711	2.2	6
177	Confinement Effects on the Crystallization Kinetics and Self-Nucleation of Double Crystalline Poly(p-dioxanone)-b-poly(ϵ -caprolactone) Diblock Copolymers. <i>Macromolecular Symposia</i> , 2004 , 215, 369-382	0.8	40
176	Enhancement of transfection efficiency through rapid and noncovalent post-PEGylation of poly(dimethylaminoethyl methacrylate)/DNA complexes. <i>Pharmaceutical Research</i> , 2004 , 21, 1471-9	4.5	42
175	Polymer-layered silicate-carbon nanotube nanocomposites: unique nanofiller synergistic effect. <i>Composites Science and Technology</i> , 2004 , 64, 2317-2323	8.6	127

174	New amphiphilic graft copolymer based on poly(ϵ -malic acid): synthesis and characterization. <i>Polymer Bulletin</i> , 2004 , 51, 365-372	2.4	12
173	New amphiphilic graft copolymer based on poly(ϵ -malic acid): synthesis and characterization. <i>Polymer Bulletin</i> , 2004 , 52, 41	2.4	2
172	Kinetic and thermodynamic considerations in the synthesis of a new three-arm poly(ϵ -caprolactone). <i>Polymer Engineering and Science</i> , 2004 , 44, 1491-1497	2.3	24
171	Physical properties of poly(ϵ -caprolactone) layered silicate nanocomposites prepared by controlled grafting polymerization. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2004 , 42, 1466-1475	2.6	63
170	In-depth characterization of granular starch-graft-polyester compositions as obtained by in situ polymerization of lactones from the starch surface. <i>Polymer International</i> , 2004 , 53, 656-663	3.3	13
169	Controlled synthesis of amphiphilic biodegradable polylactide-grafted dextran copolymers. <i>Journal of Polymer Science Part A</i> , 2004 , 42, 2577-2588	2.5	79
168	Diblock Copolymers Based on 1,4-Dioxan-2-one and ϵ -Caprolactone: Characterization and Thermal Properties. <i>Macromolecular Chemistry and Physics</i> , 2004 , 205, 1764-1773	2.6	12
167	Organic-Inorganic Nanohybrids Obtained by Sequential Copolymerization of ϵ -Caprolactone and L,L-Lactide from Activated Clay Surface. <i>Macromolecular Chemistry and Physics</i> , 2004 , 205, 2235-2244	2.6	20
166	End-Grained Wood-Polyurethane Composites, 1. <i>Macromolecular Materials and Engineering</i> , 2004 , 289, 895-902	3.9	4
165	End-Grained Wood-Polyurethane Composites, 2. <i>Macromolecular Materials and Engineering</i> , 2004 , 289, 903-909	3.9	4
164	Synthesis of melt-stable and semi-crystalline poly(1,4-dioxan-2-one) by ring-opening (co)polymerisation of 1,4-dioxan-2-one with different lactones. <i>Polymer Degradation and Stability</i> , 2004 , 86, 159-169	4.7	15
163	Transport Properties of Water Vapor in Polylactide/Montmorillonite Nanocomposites. <i>Journal of Macromolecular Science - Physics</i> , 2004 , 43, 565-575	1.4	26
162	Controlled polymer grafting on single clay nanoplatelets. <i>Journal of the American Chemical Society</i> , 2004 , 126, 9007-12	16.4	67
161	Polylactide-Grafted Dextrans: Synthesis and Properties at Interfaces and in Solution. <i>Macromolecules</i> , 2004 , 37, 4981-4988	5.5	69
160	Monomer-Linear Macromolecules-Cyclic Oligomers Equilibria in the Polymerization of 1,4-Dioxan-2-one. <i>Macromolecules</i> , 2004 , 37, 52-59	5.5	35
159	Removal of copper-based catalyst in atom transfer radical polymerization using different extraction techniques. <i>E-Polymers</i> , 2004 , 4,	2.7	2
158	Contrasting effects of coplanar versus non-coplanar PCB congeners on immunomodulation and CYP1A levels (determined using an adapted ELISA method) in the common sea star <i>Asterias rubens</i> L. <i>Aquatic Toxicology</i> , 2004 , 69, 371-83	5.1	23
157	Reciprocating silicon microtribometer 2003 , 4980, 163		

156	Intercalative polymerization of cyclic esters in layered silicates: thermal vs. catalytic activation. <i>Composite Interfaces</i> , 2003 , 10, 423-433	2.3	8
155	Field contamination of the starfish <i>Asterias rubens</i> by metals. Part 2: Effects on cellular immunity. <i>Environmental Toxicology and Chemistry</i> , 2003 , 22, 2145-51	3.8	23
154	Controlled Synthesis of Amphiphilic Poly(methacrylate)-g-[poly(ester)/poly(ether)] Graft Terpolymers. <i>ACS Symposium Series</i> , 2003 , 283-298	0.4	4
153	Echinoderms as bioindicators, bioassays, and impact assessment tools of sediment-associated metals and PCBs in the North Sea. <i>Archives of Environmental Contamination and Toxicology</i> , 2003 , 45, 190-202	3.2	38
152	Combining ATRP of Methacrylates and ROP of L,L-Dilactide and ϵ -Caprolactone. <i>Macromolecular Chemistry and Physics</i> , 2003 , 204, 171-179	2.6	68
151	Hydrolytic and Thermal Degradation of Random Copolyesters of ϵ -Caprolactone and 2-Oxepane-1,5-dione. <i>Macromolecular Chemistry and Physics</i> , 2003 , 204, 1191-1201	2.6	21
150	Exfoliated Polylactide/Clay Nanocomposites by In-Situ CoordinationInsertion Polymerization. <i>Macromolecular Rapid Communications</i> , 2003 , 24, 561-566	4.8	127
149	Mechanistic study of Bu ₂ SnCl ₂ -mediated ring-opening polymerization of epsilon-caprolactone by multinuclear NMR spectroscopy. <i>Chemistry - A European Journal</i> , 2003 , 9, 4346-52	4.8	39
148	Biodegradation of poly(epsilon-caprolactone)/starch blends and composites in composting and culture environments: the effect of compatibilization on the inherent biodegradability of the host polymer. <i>Carbohydrate Research</i> , 2003 , 338, 1759-69	2.9	128
147	New nanocomposite materials based on plasticized poly(l-lactide) and organo-modified montmorillonites: thermal and morphological study. <i>Polymer</i> , 2003 , 44, 443-450	3.9	433
146	Regioselective end-functionalization of polylactide oligomers with D-glucose and D-galactose. <i>Polymer International</i> , 2003 , 52, 406-411	3.3	9
145	Preparation of supported yttrium alkoxides as catalysts for the polymerization of lactones and oxirane. <i>Journal of Polymer Science Part A</i> , 2003 , 41, 569-578	2.5	10
144	Polymer/layered silicate nanocomposites by combined intercalative polymerization and melt intercalation: a masterbatch process. <i>Polymer</i> , 2003 , 44, 2033-2040	3.9	146
143	Vapor barrier properties of polycaprolactone montmorillonite nanocomposites: effect of clay dispersion. <i>Polymer</i> , 2003 , 44, 2271-2279	3.9	290
142	Biodegradable compositions by reactive processing of aliphatic polyester/polysaccharide blends. <i>Macromolecular Symposia</i> , 2003 , 198, 233-244	0.8	105
141	Nucleation and Crystallization in Double Crystalline Poly(p-dioxanone)-b-poly(ϵ -caprolactone) Diblock Copolymers. <i>Macromolecules</i> , 2003 , 36, 1633-1644	5.5	160
140	Polymerization-filled composites and nanocomposites by coordination catalysis. <i>Macromolecular Symposia</i> , 2003 , 194, 13-26	0.8	33
139	Surface Characterization of Poly(ϵ -caprolactone)-Based Nanocomposites. <i>Langmuir</i> , 2003 , 19, 9425-9433	4	51

138	Silylation reaction of dextran: effect of experimental conditions on silylation yield, regioselectivity, and chemical stability of silylated dextrans. <i>Biomacromolecules</i> , 2003 , 4, 1443-50	6.9	39
137	Impact of silicone-based block copolymer surfactants on the surface and bulk microscopic organization of a biodegradable polymer, poly(epsilon-caprolactone). <i>Biomacromolecules</i> , 2003 , 4, 696-703	6.9	8
136	Tensioactive Properties of Poly([R,S]-epsilon-malic acid-b-epsilon-caprolactone) Diblock Copolymers in Aqueous Solution. <i>Langmuir</i> , 2003 , 19, 8661-8666	4	11
135	In Situ Formation of Yttrium Alkoxides: A Versatile and Efficient Catalyst for the ROP of epsilon-Caprolactone. <i>Macromolecules</i> , 2003 , 36, 5934-5941	5.5	54
134	Synthesis and Characterization of Random Copolyesters of epsilon-Caprolactone and 2-Oxepane-1,5-dione. <i>Macromolecules</i> , 2003 , 36, 2609-2615	5.5	49
133	Solvent-free synthesis and purification of poly[2-(dimethylamino)ethyl methacrylate] by atom transfer radical polymerization. <i>Chemical Communications</i> , 2003 , 340-1	5.8	33
132	Polymerization of epsilon-Caprolactone Initiated by Y Alkoxide Grafted onto Porous Silica. <i>Macromolecules</i> , 2003 , 36, 7094-7099	5.5	34
131	New Aliphatic Polyester Layered-Silicate Nanocomposites 2003 , 327-350		5
130	Biodegradable polyester layered silicate nanocomposites based on poly(?-caprolactone). <i>Polymer Engineering and Science</i> , 2002 , 42, 1928-1937	2.3	71
129	Partial or total silylation of dextran with hexamethyldisilazane. <i>Polymer</i> , 2002 , 43, 1735-1743	3.9	41
128	Polyethylene-layered silicate nanocomposites prepared by the polymerization-filling technique: synthesis and mechanical properties. <i>Polymer</i> , 2002 , 43, 2123-2132	3.9	236
127	Poly(epsilon-caprolactone)/clay nanocomposites prepared by melt intercalation: mechanical, thermal and rheological properties. <i>Polymer</i> , 2002 , 43, 4017-4023	3.9	375
126	New Amphiphilic Poly([R,S]-epsilon-malic acid-b-epsilon-caprolactone) Diblock Copolymers by Combining Anionic and Coordination-Insertion Ring-Opening Polymerization. <i>Macromolecules</i> , 2002 , 35, 9896-9903	5.5	40
125	Surface-Initiated Ring-Opening Polymerization: A Versatile Method for Nanoparticle Ordering. <i>Macromolecules</i> , 2002 , 35, 8400-8404	5.5	99
124	2-Oxepane-1,5-dione: A Precursor of a Novel Class of Versatile Semicrystalline Biodegradable (Co)polyesters. <i>Macromolecules</i> , 2002 , 35, 7857-7859	5.5	56
123	Layered silicate/polyester nanohybrids by controlled ring-opening polymerization. <i>Macromolecular Symposia</i> , 2002 , 183, 95-102	0.8	17
122	Poly(epsilon-caprolactone)/Clay Nanocomposites by in-Situ Intercalative Polymerization Catalyzed by Dibutyltin Dimethoxide. <i>Macromolecules</i> , 2002 , 35, 8385-8390	5.5	198
121	Controlled Ring-Opening Polymerization of epsilon-Caprolactone in the Presence of Layered Silicates and Formation of Nanocomposites. <i>Macromolecules</i> , 2002 , 35, 3318-3320	5.5	88

120	Polyester layered silicate nanohybrids by controlled grafting polymerization. <i>Journal of Materials Chemistry</i> , 2002 , 12, 3528-3532		75
119	Poly(ϵ -caprolactone) layered silicate nanocomposites: effect of clay surface modifiers on the melt intercalation process. <i>E-Polymers</i> , 2001 , 1,	2.7	6
118	High-speed electrostatic gas microvalve switching behavior 2001 , 4560, 217		4
117	Thermogravimetric analysis of poly(ϵ -caprolactam) and poly[(ϵ -caprolactam)-co-(ϵ -caprolactone)] polymers. <i>Polymer</i> , 2001 , 42, 8325-8332	3.9	48
116	Aliphatic polyester-based biodegradable materials: new amphiphilic graft copolymers. <i>Polymer Degradation and Stability</i> , 2001 , 73, 561-566	4.7	38
115	Effect of the solvent polarity on the living ligated anionic polymerization of tert-butyl methacrylate and copolymerization with methyl methacrylate. <i>Journal of Polymer Science Part A</i> , 2001 , 39, 1774-1785	2.5	5
114	Poly(γ -caprolactone-b-glycolide) and poly(D,L-lactide-b-glycolide) diblock copolyesters: Controlled synthesis, characterization, and colloidal dispersions. <i>Journal of Polymer Science Part A</i> , 2001 , 39, 294-306	2.5	24
113	Preparation and Properties of Layered Silicate Nanocomposites Based on Ethylene Vinyl Acetate Copolymers. <i>Macromolecular Rapid Communications</i> , 2001 , 22, 643-646	4.8	193
112	Metallocene Catalyzed Polymerization of Ethylene in the Presence of Graphite. 1. Synthesis and Characterization of the Composites. <i>Macromolecular Chemistry and Physics</i> , 2001 , 202, 2239-2246	2.6	49
111	Mechanisms and kinetics of thermal degradation of poly(ϵ -caprolactone). <i>Biomacromolecules</i> , 2001 , 2, 288-94	6.9	324
110	Polymerization-Filling Technique: An Efficient Way To Improve the Mechanical Properties of Polyethylene Composites. <i>Chemistry of Materials</i> , 2001 , 13, 236-237	9.6	36
109	QUATERNARY AMMONIUM SALT-ASSISTED SYNTHESIS OF EXTENDED π SYSTEMS FROM METHYLDIAZINES AND AROMATIC ALDEHYDES1. <i>Synthetic Communications</i> , 2001 , 31, 3167-3173	1.7	36
108	One-Pot Preparation of Polymer/Clay Nanocomposites Starting from Na ⁺ Montmorillonite. 1. Melt Intercalation of Ethylene-Vinyl Acetate Copolymer. <i>Chemistry of Materials</i> , 2001 , 13, 3830-3832	9.6	112
107	Some Thermodynamic, Kinetic, and Mechanistic Aspects of the Ring-Opening Polymerization of 1,4-Dioxan-2-one Initiated by Al(OiPr) ₃ in Bulk. <i>Macromolecules</i> , 2001 , 34, 8419-8425	5.5	36
106	Synthesis and characterization of compatibilized poly(ϵ -caprolactone)/granular starch composites. <i>Macromolecular Symposia</i> , 2001 , 175, 33-44	0.8	28
105	Continuous reactive extrusion polymerisation of L-lactide An engineering view. <i>Macromolecular Symposia</i> , 2000 , 153, 261-273	0.8	22
104	Use of metallocenes in the polymerization-filling technique with production of polyolefin-based composites. <i>Macromolecular Rapid Communications</i> , 2000 , 21, 931-936	4.8	50
103	Coordination-insertion-ring-opening polymerization of 1,4-dioxan-2-one and controlled synthesis of diblock copolymers with ϵ -caprolactone. <i>Macromolecular Rapid Communications</i> , 2000 , 21, 1063-1071	4.8	54

102	Single-step reactive extrusion of PLLA in a corotating twin-screw extruder promoted by 2-ethylhexanoic acid tin(II) salt and triphenylphosphine. <i>Polymer</i> , 2000 , 41, 3395-3403	3.9	77
101	Polymer-layered silicate nanocomposites: preparation, properties and uses of a new class of materials. <i>Materials Science and Engineering Reports</i> , 2000 , 28, 1-63	30.9	5024
100	New developments on the ring opening polymerisation of polylactide. <i>Industrial Crops and Products</i> , 2000 , 11, 265-275	5.9	75
99	Aliphatic polyester-grafted starch composites by in situ ring opening polymerization. <i>Composite Interfaces</i> , 2000 , 7, 215-225	2.3	36
98	Controlled Ring-Opening Polymerization of ϵ -Caprolactone Promoted by In Situ-Formed Yttrium Alkoxides. <i>Macromolecules</i> , 2000 , 33, 1530-1535	5.5	123
97	Controlled Synthesis of Poly(ϵ -caprolactone)-Grafted Dextran Copolymers as Potential Environmentally Friendly Surfactants. <i>Macromolecules</i> , 2000 , 33, 6713-6721	5.5	91
96	Novel Macromolecular Architectures Based on Aliphatic Polyesters: Relevance of the Coordination-Insertion Ring-Opening Polymerization 1999 , 1-59		224
95	Polylactide (PLA) – new way of production. <i>Polymer Engineering and Science</i> , 1999 , 39, 1311-1319	2.3	152
94	Aliphatic polyester-grafted starch-like polysaccharides by ring-opening polymerization. <i>Polymer</i> , 1999 , 40, 3091-3100	3.9	134
93	Thermogravimetry as a Method for Investigating the Thermal Stability of Polymer Composites. <i>Magyar Árvad Kémények</i> , 1999 , 55, 537-549	0	7
92	Maleation of polylactide (PLA) by reactive extrusion. <i>Journal of Applied Polymer Science</i> , 1999 , 72, 477-485	5.9	194
91	Dynamics of the photo-induced orientation and relaxation of new polymethacrylates containing carbazolyl and azobenzene pendant groups. <i>Polymer International</i> , 1999 , 48, 205-211	3.3	8
90	Synthesis of dendritic-linear block copolymers by living ring-opening polymerization of lactones and lactides using dendritic initiators 1999 , 37, 1923-1930		36
89	Macromolecular engineering of polylactones and polylactides. XXV. Synthesis and characterization of bioerodible amphiphilic networks and their use as controlled drug delivery systems. <i>Journal of Polymer Science Part A</i> , 1999 , 37, 2401-2411	2.5	48
88	Beneficial effect of triphenylphosphine on the bulk polymerization of L,L-lactide promoted by 2-ethylhexanoic acid tin (II) salt. <i>Journal of Polymer Science Part A</i> , 1999 , 37, 2413-2420	2.5	69
87	Ring-opening metathesis polymerization of new thiorbornenyl poly(ϵ -caprolactone) macromonomers 1999 , 37, 2447-2455		47
86	New initiator system for the anionic polymerization of (meth)acrylates in toluene. IV. Random copolymerization of (meth)acrylates in toluene initiated by s-BuLi ligated by lithium silanolates. <i>Journal of Polymer Science Part A</i> , 1999 , 37, 2525-2535	2.5	8
85	Synthesis of well-defined poly(alkyl methacrylate)-graft-polylactone by sequential living polymerization. <i>Macromolecular Chemistry and Physics</i> , 1999 , 200, 156-165	2.6	19

84	Anionic synthesis of [1,4-poly(diene)-b-syndiotactic poly(methyl methacrylate)] diblock copolymers: ⁷ Li NMR study of the intermediate reaction of lithium poly(diene) anion with 1,1-diphenylethylene. <i>Macromolecular Chemistry and Physics</i> , 1999 , 200, 460-467	2.6	4
83	Analysis of living tert-butyl methacrylate oligoanions in tetrahydrofuran by NMR spectroscopy, viscosity and light scattering. <i>Macromolecular Chemistry and Physics</i> , 1999 , 200, 562-573	2.6	1
82	Synthesis of novel polybutadiene-graft-poly(sodium methacrylate) amphiphilic copolymers as precursors for liquid crystalline graft copolymers. <i>Macromolecular Chemistry and Physics</i> , 1999 , 200, 1630-1638 ¹⁰	2.6	10
81	New catalysis for fast bulk ring-opening polymerization of lactide monomers. <i>Macromolecular Symposia</i> , 1999 , 144, 289-302	0.8	65
80	Controlled Radical Polymerization of (Meth)acrylates by ATRP with NiBr ₂ (PPh ₃) ₂ as Catalyst□ <i>Macromolecules</i> , 1999 , 32, 27-35	5.5	170
79	Direct Observation of Microdomain Morphology in All-Acrylic□ Thermoplastic Elastomers Synthesized via Living Radical Polymerization. <i>Langmuir</i> , 1999 , 15, 3915-3919	4	40
78	Maleation of polylactide (PLA) by reactive extrusion 1999 , 72, 477		1
77	Porous Silica Obtained from Biodegradable and Biocompatible Inorganic-Organic Hybrid Materials. <i>Journal of Sol-Gel Science and Technology</i> , 1998 , 13, 415-419	2.3	6
76	Synthesis of acid-functional asymmetric aliphatic polyesters. <i>Journal of Polymer Science Part A</i> , 1998 , 36, 1345-1348	2.5	11
75	Internal functionalization in hyperbranched polyesters 1998 , 36, 3187-3192		25
74	Electrografting of Acrylic and Methacrylic Monomers onto Metals: Influence of the Relative Polarity and Donor/Acceptor Properties of the Monomer and the Solvent. <i>European Journal of Inorganic Chemistry</i> , 1998 , 1998, 1711-1720	2.3	42
73	Simultane doppelte lebende Polymerisationen [ein neuer einstufiger Zugang zu Block- und Pfropf-Copolymeren. <i>Angewandte Chemie</i> , 1998 , 110, 1306-1309	3.6	11
72	Simultaneous Dual Living Polymerizations: A Novel One-Step Approach to Block and Graft Copolymers. <i>Angewandte Chemie - International Edition</i> , 1998 , 37, 1274-1276	16.4	190
71	Block and random copolymers of E-caprolactone. <i>Polymer Degradation and Stability</i> , 1998 , 59, 215-222	4.7	86
70	Free radical branching of polylactide by reactive extrusion. <i>Polymer Engineering and Science</i> , 1998 , 38, 311-321	2.3	113
69	Polyimide Nanofoams from Aliphatic Polyester-Based Copolymers. <i>Chemistry of Materials</i> , 1998 , 10, 39-49 ⁶	4.6	57
68	Poly(2-oxepane-1,5-dione): A Highly Crystalline Modified Poly(E-caprolactone) of a High Melting Temperature. <i>Macromolecules</i> , 1998 , 31, 924-927	5.5	30
67	Highly Functional Branched and Dendri-Graft Aliphatic Polyesters through Ring Opening Polymerization. <i>Macromolecules</i> , 1998 , 31, 2756-2763	5.5	75

66	Dual Living Free Radical and Ring Opening Polymerizations from a Double-Headed Initiator. <i>Macromolecules</i> , 1998 , 31, 213-219	5.5	187
65	Dendrimer-like Star Block and Amphiphilic Copolymers by Combination of Ring Opening and Atom Transfer Radical Polymerization. <i>Macromolecules</i> , 1998 , 31, 8691-8705	5.5	286
64	Polyolefin-Based Composites by Polymerization-Filling Technique. <i>Journal of Macromolecular Science - Reviews in Macromolecular Chemistry and Physics</i> , 1998 , 38, 511-565		39
63	4-Methoxypyridine N-Oxide: A New Regulator for the Controlled Free Radical Polymerization of Methyl Methacrylate. <i>Macromolecules</i> , 1998 , 31, 7115-7117	5.5	6
62	Alternative Atom Transfer Radical Polymerization for MMA Using FeCl ₃ and AIBN in the Presence of Triphenylphosphine: An Easy Way to Well-Controlled PMMA. <i>Macromolecules</i> , 1998 , 31, 545-547	5.5	177
61	Controlled Radical Polymerization of Methyl Methacrylate Initiated by an Alkyl Halide in the Presence of the Wilkinson Catalyst. <i>Macromolecules</i> , 1998 , 31, 542-544	5.5	163
60	Synthesis of novel polymeric materials based on aliphatic polyesters by combination of different controlled polymerization methods. <i>Macromolecular Symposia</i> , 1998 , 132, 385-403	0.8	8
59	Ring-opening polymerization of 1,4,8-trioxaspiro[4.6]-9-undecanone: A route to novel molecular architectures for biodegradable aliphatic polyesters. <i>Macromolecular Symposia</i> , 1998 , 130, 217-227	0.8	8
58	Living anionic polymerization of (meth)acrylic esters: New mechanistic concepts and resulting materials. <i>Macromolecular Symposia</i> , 1998 , 132, 303-307	0.8	3
57	Versatile and Controlled Synthesis of Star and Branched Macromolecules by Dendritic Initiation. <i>Macromolecules</i> , 1997 , 30, 8508-8511	5.5	90
56	Macromolecular Engineering of Polylactones and Polylactides. 22. Copolymerization of ε-Caprolactone and 1,4,8-Trioxaspiro[4.6]-9-undecanone Initiated by Aluminum Isopropoxide. <i>Macromolecules</i> , 1997 , 30, 2575-2581	5.5	51
55	Macromolecular Engineering of Lactones and Lactides. 24. Controlled Synthesis of (R,S)-ε-Butyrolactone-b-ε-Caprolactone Block Copolymers by Anionic and Coordination Polymerization. <i>Macromolecules</i> , 1997 , 30, 5591-5595	5.5	37
54	Macromolecular Engineering of Polylactones and Polylactides. 23. Synthesis and Characterization of Biodegradable and Biocompatible Homopolymers and Block Copolymers Based on 1,4,8-Trioxa[4.6]spiro-9-undecanone. <i>Macromolecules</i> , 1997 , 30, 1947-1954	5.5	68
53	Ring-Opening Polymerization of 1,4,8-Trioxaspiro[4.6]-9-undecanone: A New Route to Aliphatic Polyesters Bearing Functional Pendent Groups. <i>Macromolecules</i> , 1997 , 30, 406-409	5.5	127
52	Controlled Radical Polymerization of Methyl Methacrylate in the Presence of Palladium Acetate, Triphenylphosphine, and Carbon Tetrachloride. <i>Macromolecules</i> , 1997 , 30, 7631-7633	5.5	188
51	Bulk polymerization of lactides initiated by aluminum isopropoxide. I. Mechanism and kinetics. <i>Macromolecular Symposia</i> , 1997 , 123, 67-84	0.8	16
50	Bulk polymerization of lactides initiated by aluminium isopropoxide, 2. Beneficial effect of lewis bases and transfer agents. <i>Macromolecular Chemistry and Physics</i> , 1997 , 198, 1973-1984	2.6	53
49	Bulk polymerization of lactides initiated by aluminium isopropoxide, 3. Thermal stability and viscoelastic properties. <i>Macromolecular Chemistry and Physics</i> , 1997 , 198, 1985-1995	2.6	40

48	Synthesis and characterization of biodegradable homopolymers and block copolymers based on adipic anhydride. <i>Journal of Polymer Science Part A</i> , 1997 , 35, 183-192	2.5	30
47	Biodegradable and biocompatible inorganic-organic hybrid materials. I. Synthesis and characterization. <i>Journal of Polymer Science Part A</i> , 1997 , 35, 2295-2309	2.5	87
46	Poly[glycidyl methacrylate(GMA)/methylmethacrylate(MMA)-b-butadiene(B)-b-GMA/MMA] reactive thermoplastic elastomers: Synthesis and characterization. <i>Journal of Polymer Science Part A</i> , 1997 , 35, 3507-3515	2.5	6
45	Polymerization-filled composites prepared with highly active filler-supported Al/Ti/Mg catalysts. I. Synthesis of homogeneous polyethylene-based composites. <i>Journal of Applied Polymer Science</i> , 1997 , 64, 423-438	2.9	19
44	Polymerization-filled composites prepared with highly active filler-supported Al/Ti/Mg catalysts. II. Properties of homogeneous polyethylene-based composites. <i>Journal of Applied Polymer Science</i> , 1997 , 64, 439-454	2.9	18
43	Microdomain Morphology Analysis of Block Copolymers by Atomic Force Microscopy with Phase Detection Imaging. <i>Langmuir</i> , 1996 , 12, 4317-4320	4	111
42	Macromolecular Engineering of Polylactones and Polylactides. 19. Kinetics of Ring-Opening Polymerization of ϵ -Caprolactone Initiated with Functional Aluminum Alkoxides. <i>Macromolecules</i> , 1996 , 29, 1965-1975	5.5	137
41	An Improved Preparation Method of Benzyl and Thenyl Triphenylphosphonium Salts. <i>Synthetic Communications</i> , 1996 , 26, 3091-3095	1.7	20
40	Controlled Radical Polymerization of Methacrylic Monomers in the Presence of a Bis(ortho-chelated) Arylnickel(II) Complex and Different Activated Alkyl Halides. <i>Macromolecules</i> , 1996 , 29, 8576-8582	5.5	498
39	Block Copolymer Microdomain Morphologies by Phase Detection Imaging. <i>Materials Research Society Symposia Proceedings</i> , 1996 , 461, 57		
38	Oligomerization and copolymerization of ϵ -butyrolactone \rightarrow monomer known as unable to homopolymerize, 1. Copolymerization with ϵ -caprolactone. <i>Macromolecular Chemistry and Physics</i> , 1996 , 197, 1273-1283	2.6	66
37	Theoretical investigation of the molecular structure of aluminium triisopropoxide and its complexes in ring-opening polymerization. <i>Macromolecular Theory and Simulations</i> , 1996 , 5, 525-546	1.5	11
36	Polymerization of ϵ -butyrolactone initiated with $\text{Al}(\text{O}i\text{Pr})_3$. <i>Polymer International</i> , 1996 , 41, 479-485	3.3	27
35	Macromolecular engineering of polylactones and polylactides. XXI. Controlled synthesis of low molecular weight polylactide macromonomers. <i>Journal of Polymer Science Part A</i> , 1996 , 34, 497-502	2.5	17
34	SAXS analysis of the morphology of biocompatible and biodegradable poly(ϵ -caprolactone-b-glycolide) copolymers. <i>Journal of Molecular Structure</i> , 1996 , 383, 63-68	3.4	6
33	Recent Advances in Ring-Opening Polymerization of Lactones and Related Compounds. <i>Journal of Macromolecular Science - Reviews in Macromolecular Chemistry and Physics</i> , 1995 , 35, 379-418		183
32	Macromolecular Engineering of Polylactones and Polylactides. 20. Effect of Monomer, Solvent, and Initiator on the Ring-Opening Polymerization As Initiated with Aluminum Alkoxides. <i>Macromolecules</i> , 1995 , 28, 7589-7598	5.5	77
31	Substituent effect in anionic polymerization of ϵ -lactones initiated by alkali metal alkoxides. <i>Macromolecular Rapid Communications</i> , 1995 , 16, 513-519	4.8	15

30	Interfacial adhesion in polyethylene/kaolin composites: Improvement by maleic anhydride-grafted polyethylene. <i>Journal of Applied Polymer Science</i> , 1995 , 56, 1093-1105	2.9	27
29	Macromolecular engineering of polylactones and polylactides: 13. Synthesis of telechelic polyesters by coupling reactions. <i>Polymer</i> , 1994 , 35, 4998-5004	3.9	13
28	Macromolecular engineering of polylactones and polylactides. XV. Poly(D,L)-lactide macromonomers as precursors of biocompatible graft copolymers and bioerodible gels. <i>Journal of Polymer Science Part A</i> , 1994 , 32, 2099-2110	2.5	60
27	Macromolecular engineering of polylactones and polylactides. XVI. On the way to the synthesis of aliphatic primary amine poly(ϵ -caprolactone) and polylactides. <i>Journal of Polymer Science Part A</i> , 1994 , 32, 2443-2455	2.5	12
26	Polymerization of glycolide promoted by Al-alkoxide poly(ϵ -caprolactone) macro-initiators and formation of stable colloidal dispersions. <i>Macromolecular Symposia</i> , 1994 , 88, 227-244	0.8	16
25	Synthesis and Characterization of Biodegradable Homopolymers and Block Copolymers Based on 1,5-Dioxepan-2-one. <i>Macromolecules</i> , 1994 , 27, 5556-5562	5.5	66
24	Macromolecular Engineering of Polylactones and Polylactides. 17. Cryometric and Viscosimetric Analysis of the Species Active in the Ring-Opening Polymerization of Lactones, Lactides, and Cyclic Anhydrides as Initiated by Aluminum Triisopropoxide. <i>Macromolecules</i> , 1994 , 27, 5950-5956	5.5	23
23	Macromolecular engineering of polylactones and polylactides. X. Selective end-functionalization of poly(D,L)-lactide. <i>Journal of Polymer Science Part A</i> , 1993 , 31, 505-514	2.5	151
22	Aluminium alkoxides: A family of versatile initiators for the ring-opening polymerization of lactones and lactides. <i>Makromolekulare Chemie Macromolecular Symposia</i> , 1991 , 42-43, 103-116		60
21	Macromolecular engineering of polylactones and polylactides. <i>Polymer Bulletin</i> , 1989 , 22, 475-482	2.4	67
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