Qiang Fu

List of Publications by Year in Descending Order

Source: https://exaly.com/author-pdf/2015902/qiang-fu-publications-by-year.pdf
Version: 2024-04-23

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.
The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

512 papers	18,398 citations	64 h-index	114 g-index
524 ext. papers	21,433 ext. citations	6 avg, IF	7.12 L-index

#	Paper	IF	Citations
512	Hydrogen-bond-dominated mechanical stretchability in PVA films: from phenomenological to numerical insights.. *Physical Chemistry Chemical Physics*, **2022**, 24, 1885-1895	3.6	2
511	Recent developments of hydrogel based solar water purification technology. *Materials Advances*, **2022**, 3, 1322-1340	3.3	0
510	Shear-induced alignment in 3D-printed nitrile rubber-reinforced glass fiber composites. *Composites Part B: Engineering*, **2022**, 229, 109479	10	1
509	Thin Film Composite Membranes for Postcombustion Carbon Capture: Polymers and Beyond. *Progress in Polymer Science*, **2022**, 101504	29.6	4
508	High area energy density of all-solid-state supercapacitor based on double-network hydrogel with high content of graphene/PANI fiber. *Chemical Engineering Journal*, **2022**, 430, 133045	14.7	7
507	Enhanced thermal conductivity and wear resistance of polytetrafluoroethylene via incorporating hexagonal boron nitride and alumina particles. *Journal of Applied Polymer Science*, **2022**, 139, 51497	2.9	4
506	Hierarchical TiCT@ZnO Hollow Spheres with Excellent Microwave Absorption Inspired by the Visual Phenomenon of Eyeless Urchins.. *Nano-Micro Letters*, **2022**, 14, 76	19.5	9
505	para-Aramid Nanofiber Membranes for High-Performance and Multifunctional Materials. *ACS Applied Nano Materials*, **2022**, 5, 747-758	5.6	0
504	Water-triggered stiffening of shape memory polyurethanes composed of hard backbone dangling PEG soft segments.. *Advanced Materials*, **2022**, e2201914	24	3
503	Synthesis and evaluation of cationic polyacrylamide and polyacrylate flocculants for harvesting freshwater and marine microalgae. *Chemical Engineering Journal*, **2021**, 133623	14.7	1
502	Ultra-high Molecular Weight Polyethylene Lamellar-thin Framework on Square Meter Scale. *Advanced Materials*, **2021**, e2107941	24	1
501	Ultralow Icing Adhesion of a Superhydrophobic Coating Based on the Synergistic Effect of Soft and Stiff Particles. *Langmuir*, **2021**, 37, 12016-12026	4	3
500	Ultra-high stability and magnetic response of magnetorheological fluids based on magnetic ionic liquids and carbonyl iron fibers. *Journal of Rheology*, **2021**, 65, 1347-1359	4.1	0
499	In situ synthesis of metal-free N-GQD@g-C3N4 photocatalyst for enhancing photocatalytic activity. *Micro and Nano Letters*, **2021**, 16, 77-82	0.9	
498	Ultrapermeable Composite Membranes Enhanced Via Doping with Amorphous MOF Nanosheets. *ACS Central Science*, **2021**, 7, 671-680	16.8	7
497	Triplet Fusion Upconversion with Oxygen Resistance in Aqueous Media. *Analytical Chemistry*, **2021**, 93, 4641-4646	7.8	
496	Magnetoresistive micro-displacement sensor based on magnetorheological fluid. *Smart Materials and Structures*, **2021**, 30, 045025	3.4	1

495	Surface loading of nanoparticles on engineered or natural erythrocytes for prolonged circulation time: strategies and applications. *Acta Pharmacologica Sinica*, **2021**, 42, 1040-1054	8	7
494	Stretchable and Healable Conductive Elastomer Based on PEDOT:PSS/Natural Rubber for Self-Powered Temperature and Strain Sensing. *ACS Applied Materials & Interfaces*, **2021**, 13, 14599-14611	9.5	31
493	Ultrahigh sensitivity and wide strain range of porous pressure sensor based on binary conductive fillers by in-situ polymerization. *Journal of Polymer Research*, **2021**, 28, 1	2.7	3
492	A green and facile fabrication of rGO/FEVE nanocomposite coating for anti-corrosion application. *Materials Chemistry and Physics*, **2021**, 263, 124382	4.4	2
491	Importance of Low-Temperature Melt-Mixing on the Construction of Stereocomplex Crystallites with Superior Nucleation Efficiency in Asymmetric Poly(l-lactide)/Poly(d-lactide) Blends. *Macromolecular Materials and Engineering*, **2021**, 306, 2100091	3.9	3
490	Amphiphilic Core Cross-Linked Star Polymers for the Delivery of Hydrophilic Drugs from Hydrophobic Matrices. *Biomacromolecules*, **2021**, 22, 2554-2562	6.9	0
489	Mussel-Inspired, Injectable Polyurethane Tissue Adhesives Demonstrate In Situ Gel Formation under Mild Conditions.. *ACS Applied Bio Materials*, **2021**, 4, 5352-5361	4.1	2
488	Improving Impact Toughness of Polylactide/Ethylene-co-vinyl-acetate Blends via Adding Fumed Silica Nanoparticles: Effects of Specific Surface Area-dependent Interfacial Selective Distribution of Silica. *Chinese Journal of Polymer Science (English Edition)*, **2021**, 39, 1040-1049	3.5	2
487	Polyhedral Oligomeric Silsesquioxanes Based Ultralow-k Materials: The Effect of Cage Size. *Advanced Functional Materials*, **2021**, 31, 2102074	15.6	9
486	Fully Organic Bulk Polymer with Metallic Thermal Conductivity and Tunable Thermal Pathways. *Advanced Science*, **2021**, 8, e2004821	13.6	10
485	Green preparation and enhanced gas barrier property of rubber nanocomposite film based on graphene oxide-induced chemical crosslinking. *Polymer*, **2021**, 225, 123756	3.9	9
484	Spherical hybrid filler BN@Al2O3 via chemical adhesive for enhancing thermal conductivity and processability of silicon rubber. *Journal of Applied Polymer Science*, **2021**, 138, 51211	2.9	3
483	Engineering the Surface Pattern of Microparticles: From Raspberry-like to Golf Ball-like. *ACS Applied Materials & Interfaces*, **2021**, 13, 31215-31225	9.5	2
482	Superhydrophobic surface based on nano-engineering for enhancing the durability of anticorrosion. *Surface Engineering*, **2021**, 37, 288-298	2.6	3
481	In situ ultrathin silica layer formation on polyamide thin-film composite membrane surface for enhanced forward osmosis performances. *Journal of Membrane Science*, **2021**, 620, 118876	9.6	4
480	Metal organic framework enhanced SPEEK/SPSF heterogeneous membrane for ion transport and energy conversion. *Nano Energy*, **2021**, 81, 105657	17.1	7
479	Viscosity and crystallization of bioactive glasses from 45S5 to 13-93. *International Journal of Applied Glass Science*, **2021**, 12, 65-77	1.8	5
478	Collagenase-loaded pH-sensitive nanocarriers efficiently remodeled tumor stroma matrixes and improved the enrichment of nanomedicines. *Nanoscale*, **2021**, 13, 9402-9414	7.7	0

477	Biodegradable polyurethane nerve guide conduits with different moduli influence axon regeneration in transected peripheral nerve injury. *Journal of Materials Chemistry B*, **2021**, 9, 7979-7990	7.3	2
476	Effect of mandrel rotation speed on morphology and mechanical properties of polypropylene pipes produced by rotational shear. *Journal of Polymer Research*, **2021**, 28, 1	2.7	1
475	Tough and biodegradable polyurethane-curcumin composited hydrogel with antioxidant, antibacterial and antitumor properties. *Materials Science and Engineering C*, **2021**, 121, 111820	8.3	7
474	Synergic Enhancement of High-density Polyethylene through Ultrahigh Molecular Weight Polyethylene and Multi-flow Vibration Injection Molding: A Facile Fabrication with Potential Industrial Prospects. *Chinese Journal of Polymer Science (English Edition)*, **2021**, 39, 756	3.5	0
473	Adsorbability of Modified PBS Nanofiber Membrane to Heavy Metal Ions and Dyes. *Journal of Polymers and the Environment*, **2021**, 29, 3029-3039	4.5	3
472	Stereocomplex Crystallization Induced Significant Improvement in Transparency and Stiffness□Toughness Performance of Core-Shell Rubber Nanoparticles Toughened Poly(l-lactide) Blends. *Macromolecular Materials and Engineering*, **2021**, 306, 2100021	3.9	2
471	Phase Behaviors of Multi-tailed B2AB2-Type Regio-isomeric Giant Surfactants at the Columnar-Spherical Boundary□*Chinese Journal of Chemistry*, **2021**, 39, 3261	4.9	2
470	Investigating the Influence of Incorporation of Boron Nitride on the Kinetics of Isotactic Polypropylene Entanglement Recovery. *Industrial & Engineering Chemistry Research*, **2021**, 60, 12901-12910	3.9	
469	Ordered Conformation-Regulated Vesicular Membrane Permeability. *Angewandte Chemie - International Edition*, **2021**, 60, 22529-22536	16.4	3
468	Controlled Vertically Aligned Structures in Polymer Composites: Natural Inspiration, Structural Processing, and Functional Application. *Advanced Materials*, **2021**, e2103495	24	8
467	Ordered Conformation-Regulated Vesicular Membrane Permeability. *Angewandte Chemie*, **2021**, 133, 22703-22710	3.6	0
466	Direct-ink-writing (DIW) 3D printing functional composite materials based on supra-molecular interaction. *Composites Science and Technology*, **2021**, 215, 109013	8.6	7
465	Tannic Acid: A green and efficient stabilizer of Au, Ag, Cu and Pd nanoparticles for the 4-Nitrophenol Reduction, Suzuki-Miyaura coupling reactions and click reactions in aqueous solution. *Journal of Colloid and Interface Science*, **2021**, 604, 281-291	9.3	3
464	Superior strength and highly thermoconductive cellulose/ boron nitride film by stretch-induced alignment. *Journal of Materials Chemistry A*, **2021**, 9, 10304-10315	13	14
463	"Toolbox" for the Processing of Functional Polymer Composites.. *Nano-Micro Letters*, **2021**, 14, 35	19.5	8
462	Aligned 3D porous polyurethane scaffolds for biological anisotropic tissue regeneration. *International Journal of Energy Production and Management*, **2020**, 7, 19-27	5.3	9
461	Biomimetic Approach to Facilitate the High Filler Content in Free-Standing and Flexible Thermoelectric Polymer Composite Films Based on PVDF and AgSe Nanowires. *ACS Applied Materials & Interfaces*, **2020**, 12, 51506-51516	9.5	15
460	A Multidirectionally Thermoconductive Phase Change Material Enables High and Durable Electricity Real-Environment Solar-Thermal-Electric Conversion. *ACS Nano*, **2020**, 14, 15738-15747	16.7	61

459	Facile synthesis and anti-icing performance of superhydrophobic flower-like OTS-SiO2 with tunable size. *Advanced Powder Technology*, **2020**, 31, 4533-4540	4.6	6
458	Polyrotaxane-based thin film composite membranes for enhanced nanofiltration performance. *Separation and Purification Technology*, **2020**, 246, 116893	8.3	2
457	Role of Melt Plasticizing Temperature in Morphology and Properties of PE100 Pipes Prepared by a Rotational Shear System. *ACS Omega*, **2020**, 5, 12660-12671	3.9	2
456	Facile Construction of Porous Magnetic Nanoparticles from Ferrocene-Functionalized Polyhedral Oligomeric Silsesquioxane-Containing Microparticles for Dye Adsorption. *Industrial & Engineering Chemistry Research*, **2020**, 59, 9532-9540	3.9	12
455	Addressing the challenge of fabricating a high content regenerated cellulose/nanomaterial composite: the magical effect of urea. *Green Chemistry*, **2020**, 22, 4121-4127	10	4
454	Facile preparation of robust superhydrophobic surface based on multi-scales nanoparticle. *Polymer Engineering and Science*, **2020**, 60, 1785-1794	2.3	1
453	Evolution of iPP/HDPE Morphology under Different Mold Temperatures via Multiflow Vibration Injection Molding: Thermal Field Simulation and Oriented Structures. *Industrial & Engineering Chemistry Research*, **2020**, 59, 6741-6750	3.9	2
452	Biomethane production from anaerobic co-digestion and steel-making slag: A new waste-to-resource pathway. *Science of the Total Environment*, **2020**, 738, 139764	10.2	4
451	Multiblock Copolymers toward Segmentation-Driven Morphological Transition. *Macromolecules*, **2020**, 53, 5992-6001	5.5	9
450	Balanced physical properties for thermoplastic silicone vulcanizate-based polymer composites containing functional filler. *Polymer Composites*, **2020**, 41, 4307-4317	3	1
449	Chirality Transfer in Supramolecular Co-assembled Fibrous Material Enabling the Visual Recognition of Sucrose. *Advanced Fiber Materials*, **2020**, 2, 204-211	10.9	4
448	Superhydrophobic Surface Based on Assembly of Nanoparticles for Application in Anti-Icing under Ultralow Temperature. *ACS Applied Nano Materials*, **2020**, 3, 2047-2057	5.6	27
447	Enhanced Hydrolytic Resistance of Fluorinated Silicon-Containing Polyether Urethanes. *Biomacromolecules*, **2020**, 21, 1460-1470	6.9	6
446	Highly Thermoconductive, Thermostable, and Super-Flexible Film by Engineering 1D Rigid Rod-Like Aramid Nanofiber/2D Boron Nitride Nanosheets. *Advanced Materials*, **2020**, 32, e1906939	24	101
445	Flexible and Giant Terahertz Modulation Based on Ultra-Strain-Sensitive Conductive Polymer Composites. *ACS Applied Materials & Interfaces*, **2020**, 12, 9790-9796	9.5	10
444	Reduced administration frequency for the treatment of fungal keratitis: a sustained natamycin release from a micellar solution. *Expert Opinion on Drug Delivery*, **2020**, 17, 407-421	8	12
443	Photo-responsive Self-Reducible Polymers: Overcoming the Spatiotemporal Barriers for Hypersensitivity **2020**, 2, 602-609		9
442	Spider-silk inspired polymeric networks by harnessing the mechanical potential of ß-sheets through network guided assembly. *Nature Communications*, **2020**, 11, 1630	17.4	26

441	Ultrasensitive Thin-Film Pressure Sensors with a Broad Dynamic Response Range and Excellent Versatility Toward Pressure, Vibration, Bending, and Temperature. *ACS Applied Materials & Interfaces*, **2020**, 12, 20998-21008	9.5	19
440	A waterborne polyurethane 3D scaffold containing PLGA with a controllable degradation rate and an anti-inflammatory effect for potential applications in neural tissue repair. *Journal of Materials Chemistry B*, **2020**, 8, 4434-4446	7.3	18
439	High-throughput CO2 capture using PIM-1@MOF based thin film composite membranes. *Chemical Engineering Journal*, **2020**, 396, 125328	14.7	35
438	Manipulating the Strength□Toughness Balance of Poly(l-lactide) (PLLA) via Introducing Ductile Poly(□caprolactone) (PCL) and Strong Shear Flow. *Industrial & Engineering Chemistry Research*, **2020**, 59, 1000-1009	3.9	7
437	Growing Patterned, Cross-linked Nanoscale Polymer Films from Organic and Inorganic Surfaces Using Ring-Opening Metathesis Polymerization. *ACS Applied Materials & Interfaces*, **2020**, 12, 4041-4051	9.5	10
436	The Role of Mold Temperature on Morphology and Mechanical Properties of PE Pipe Produced by Rotational Shear. *Chinese Journal of Polymer Science (English Edition)*, **2020**, 38, 653-664	3.5	1
435	Glass-activated regeneration of volumetric muscle loss. *Acta Biomaterialia*, **2020**, 103, 306-317	10.8	11
434	Physical Aging Investigations of a Spirobisindane-Locked Polymer of Intrinsic Microporosity **2020**, 2, 993-998		6
433	From UV to NIR: A Full-Spectrum Metal-Free Photocatalyst for Efficient Polymer Synthesis in Aqueous Conditions. *Angewandte Chemie - International Edition*, **2020**, 59, 21392-21396	16.4	41
432	From UV to NIR: A Full-Spectrum Metal-Free Photocatalyst for Efficient Polymer Synthesis in Aqueous Conditions. *Angewandte Chemie*, **2020**, 132, 21576-21580	3.6	8
431	Effect of thermal annealing on crystal structure and properties of PLLA/PCL blend. *Journal of Polymer Research*, **2020**, 27, 1	2.7	6
430	Tunable d-spacing of dry reduced graphene oxide nanosheets for enhancing re-dispersibility in organic solvents. *Applied Surface Science*, **2020**, 531, 147375	6.7	2
429	Recent progress on PEDOT:PSS based polymer blends and composites for flexible electronics and thermoelectric devices. *Materials Chemistry Frontiers*, **2020**, 4, 3130-3152	7.8	48
428	Effect of Different Shear Modes on Morphology and Mechanical Properties of Polypropylene Pipes Produced by Rotational Shear. *Chinese Journal of Polymer Science (English Edition)*, **2020**, 38, 1392-1402	3.5	2
427	Green and Economical Strategy for Spinning Robust Cellulose Filaments. *ACS Sustainable Chemistry and Engineering*, **2020**, 8, 14927-14937	8.3	7
426	Progress and Perspectives Beyond Traditional RAFT Polymerization. *Advanced Science*, **2020**, 7, 200165	13.6	55
425	Progresses in Manufacturing Techniques of Lithium-Ion Battery Separators in China. *Chinese Journal of Chemistry*, **2019**, 37, 1207-1215	4.9	22
424	Property enhancement of poly(butylene succinate)/poly(ethyleneglycol-co-cyclohexane-1,4-dimethanolterephthalate) blends via high-speed extrusion and in situ fibrillation. *Journal of Applied Polymer Science*, **2019**, 136, 47549	2.9	1

423	Strong and Highly Conductive Graphene Composite Film Based on the Nanocellulose-Assisted Dispersion of Expanded Graphite and Incorporation of Poly(ethylene oxide). *ACS Sustainable Chemistry and Engineering*, **2019**, 7, 5045-5056	8.3	24
422	Postcombustion Carbon Capture Using Thin-Film Composite Membranes. *Accounts of Chemical Research*, **2019**, 52, 1905-1914	24.3	35
421	Preparation of high-performance cellulose composite membranes from LiOH/urea solvent system. *Nanocomposites*, **2019**, 5, 49-60	3.4	6
420	Preparation and Properties of Ultrathin Flexible Expanded Graphite Film via Adding Natural Rubber. *Chinese Journal of Polymer Science (English Edition)*, **2019**, 37, 806-814	3.5	10
419	Redox-Initiated Reversible Addition□Fragmentation Chain Transfer (RAFT) Polymerization. *Australian Journal of Chemistry*, **2019**, 72, 479	1.2	10
418	The effect of multilayered film structure on the dielectric properties of composites films based on P(VDF-HFP)/Ni(OH)2. *Nanocomposites*, **2019**, 5, 36-48	3.4	12
417	Biodegradable, anti-adhesive and tough polyurethane hydrogels crosslinked by triol crosslinkers. *Journal of Biomedical Materials Research - Part A*, **2019**, 107, 2205-2221	5.4	8
416	Exploitation of a promising flame-retardant engineering plastics by molten composited polyketone and diethyl zinc phosphinate. *Polymers for Advanced Technologies*, **2019**, 30, 1978-1988	3.2	3
415	Heterogeneously Catalyzed Fenton-Reversible Addition□Fragmentation Chain Transfer Polymerization in the Presence of Air. *Macromolecules*, **2019**, 52, 3278-3287	5.5	26
414	Albumin-Modified Cationic Nanocarriers To Potentially Create a New Platform for Drug Delivery Systems. *ACS Applied Materials & Interfaces*, **2019**, 11, 16421-16429	9.5	13
413	Insight into shear-induced modification for improving processability of polymers: Effect of shear rate on the evolution of entanglement state. *Journal of Polymer Science, Part B: Polymer Physics*, **2019**, 57, 598-606	2.6	10
412	Cellulose/Chitosan Composite Multifilament Fibers with Two-Switch Shape Memory Performance. *ACS Sustainable Chemistry and Engineering*, **2019**, 7, 6981-6990	8.3	41
411	Toward Supertough and Heat-Resistant Stereocomplex-Type Polylactide/Elastomer Blends with Impressive Melt Stability via in Situ Formation of Graft Copolymer during One-Pot Reactive Melt Blending. *Macromolecules*, **2019**, 52, 1718-1730	5.5	56
410	Correlations between microstructure of □row nuclei and polymorphism of shear-induced iPP/carbon fiber cylindrite. *Journal of Polymer Science, Part B: Polymer Physics*, **2019**, 57, 368-377	2.6	5
409	Sol-gel synthesis of ternary conducting polymer hydrogel for application in all-solid-state flexible supercapacitor. *International Journal of Hydrogen Energy*, **2019**, 44, 6103-6115	6.7	14
408	Mechanically Strong Chitin Fibers with Nanofibril Structure, Biocompatibility, and Biodegradability. *Chemistry of Materials*, **2019**, 31, 2078-2087	9.6	41
407	Surface modifications of boron nitride nanosheets for poly(vinylidene fluoride) based film capacitors: advantages of edge-hydroxylation. *Journal of Materials Chemistry A*, **2019**, 7, 7664-7674	13	52
406	Remarkably Improved Impact Fracture Toughness of Isotactic Polypropylene via Combining the Effects of Shear Layer-Spherulites Layer Alternated Structure and Thermal Annealing. *Industrial & Engineering Chemistry Research*, **2019**, 58, 15069-15078	3.9	4

405	Phase change material with anisotropically high thermal conductivity and excellent shape stability due to its robust cellulose/BNNSs skeleton. *Journal of Materials Chemistry A*, **2019**, 7, 19364-19373	13	62
404	Fenton-Chemistry-Mediated Radical Polymerization. *Macromolecular Rapid Communications*, **2019**, 40, e1900220	4.8	14
403	Green Production of Regenerated Cellulose/Boron Nitride Nanosheet Textiles for Static and Dynamic Personal Cooling. *ACS Applied Materials & Interfaces*, **2019**, 11, 40685-40693	9.5	35
402	Anti-biofilm surfaces from mixed dopamine-modified polymer brushes: synergistic role of cationic and zwitterionic chains to resist staphyloccocus aureus. *Biomaterials Science*, **2019**, 7, 5369-5382	7.4	26
401	Cellular Response to 3-D Printed Bioactive Silicate and Borosilicate Glass Scaffolds. *Journal of Biomedical Materials Research - Part B Applied Biomaterials*, **2019**, 107, 818-824	3.5	4
400	Facile synthesis of highly efficient photocatalysts based on organic small molecular co-catalyst. *Applied Surface Science*, **2019**, 469, 553-563	6.7	4
399	Recent progress on fabrication methods of polymeric thin film gas separation membranes for CO2 capture. *Journal of Membrane Science*, **2019**, 572, 38-60	9.6	115
398	Toward endothelialization via vascular endothelial growth factor immobilization on cell-repelling functional polyurethanes. *Journal of Biomedical Materials Research - Part B Applied Biomaterials*, **2019**, 107, 965-977	3.5	2
397	Bioactive Glass Scaffolds for Bone Tissue Engineering **2019**, 417-442		4
396	Manipulating the Filler Network Structure and Properties of Polylactide/Carbon Black Nanocomposites with the Aid of Stereocomplex Crystallites. *Journal of Physical Chemistry C*, **2018**, 122, 4232-4240	3.8	20
395	Mechanically Strong Multifilament Fibers Spun from Cellulose Solution via Inducing Formation of Nanofibers. *ACS Sustainable Chemistry and Engineering*, **2018**, 6, 5314-5321	8.3	33
394	Simultaneous Improvement of Oxidative and Hydrolytic Resistance of Polycarbonate Urethanes Based on Polydimethylsiloxane/Poly(hexamethylene carbonate) Mixed Macrodiols. *Biomacromolecules*, **2018**, 19, 2137-2145	6.9	7
393	Enhanced fracture energy during deformation through the construction of an alternating multilayered structure for polyolefin blends. *Polymer International*, **2018**, 67, 1094-1102	3.3	2
392	Robust and Mechanically and Electrically Self-Healing Hydrogel for Efficient Electromagnetic Interference Shielding. *ACS Applied Materials & Interfaces*, **2018**, 10, 8245-8257	9.5	85
391	Simultaneously reinforce and toughen polypropylene by in-situ introducing polylactic acid microfibrils. *Polymers for Advanced Technologies*, **2018**, 29, 1469-1477	3.2	3
390	Influences of Coagulation Conditions on the Structure and Properties of Regenerated Cellulose Filaments via Wet-Spinning in LiOH/Urea Solvent. *ACS Sustainable Chemistry and Engineering*, **2018**, 6, 4056-4067	8.3	30
389	Magnet-induced aligning magnetorheological elastomer based on ultra-soft matrix. *Composites Science and Technology*, **2018**, 162, 170-179	8.6	34
388	Conformation-Directed Micelle-to-Vesicle Transition of Cholesterol-Decorated Polypeptide Triggered by Oxidation. *Journal of the American Chemical Society*, **2018**, 140, 6604-6610	16.4	56

387	Largely enhanced energy storage density of poly(vinylidene fluoride) nanocomposites based on surface hydroxylation of boron nitride nanosheets. *Journal of Materials Chemistry A*, **2018**, 6, 7573-7584	13	90
386	A facile melt coating approach to fabricate macroscopic segregated polymer/carbon nanotube conductive composites with balanced properties. *Polymer Composites*, **2018**, 39, 841-847	3	4
385	Strength, toughness, and reliability of a porous glass/biopolymer composite scaffold. *Journal of Biomedical Materials Research - Part B Applied Biomaterials*, **2018**, 106, 1209-1217	3.5	10
384	Continuous assembly of a polymer on a metal□rganic framework (CAP on MOF): a 30 nm thick polymeric gas separation membrane. *Energy and Environmental Science*, **2018**, 11, 544-550	35.4	93
383	Controlled RAFT polymerization facilitated by a nanostructured enzyme mimic. *Polymer Chemistry*, **2018**, 9, 4448-4454	4.9	16
382	Improving Damping Properties and Thermal Stability of Epoxy/Polyurethane Grafted Copolymer by Adding Glycidyl POSS. *Chinese Journal of Polymer Science (English Edition)*, **2018**, 36, 1297-1302	3.5	21
381	Largely Improved Stretch Ductility and ǂForm Room-temperature Durability of Poly(vinylidene fluoride) by Incorporating Aliphatic Polyketone. *Chinese Journal of Polymer Science (English Edition)*, **2018**, 36, 1277-1285	3.5	7
380	Preparation of Polylactide/Poly(ether)urethane Blends with Excellent Electro-actuated Shape Memory via Incorporating Carbon Black and Carbon Nanotubes Hybrids Fillers. *Chinese Journal of Polymer Science (English Edition)*, **2018**, 36, 1175-1186	3.5	32
379	Fabrication of Highly Stretchable, Washable, Wearable, Water-Repellent Strain Sensors with Multi-Stimuli Sensing Ability. *ACS Applied Materials & Interfaces*, **2018**, 10, 31655-31663	9.5	61
378	Preparation of Transparent and Flexible Shape Memory Polybenzoxazine Film through Chemical Structure Manipulation and Hydrogen Bonding Control. *Macromolecules*, **2018**, 51, 6561-6570	5.5	60
377	Morphology and internal structure control over PLA microspheres by compounding PLLA and PDLA and effects on drug release behavior. *Colloids and Surfaces B: Biointerfaces*, **2018**, 172, 105-112	6	17
376	Preparation of Polylactide Composite with Excellent Flame Retardance and Improved Mechanical Properties. *Chinese Journal of Polymer Science (English Edition)*, **2018**, 36, 1385-1393	3.5	13
375	Blood-Catalyzed RAFT Polymerization. *Angewandte Chemie - International Edition*, **2018**, 57, 10288-10292	16.4	41
374	Significant toughness improvement in iPP/PLLA/EGMA blend by introducing dicumyl peroxide as the morphology governor. *Colloid and Polymer Science*, **2018**, 296, 31-39	2.4	5
373	The influence of blend composition and filler on the microstructure, crystallization, and mechanical behavior of polymer blends with multilayered structures. *Nanocomposites*, **2018**, 4, 178-189	3.4	1
372	Two-dimensional nanosheet-based gas separation membranes. *Journal of Materials Chemistry A*, **2018**, 6, 23169-23196	13	70
371	Super Strong All-Cellulose Composite Filaments by Combination of Inducing Nanofiber Formation and Adding Nanofibrillated Cellulose. *Biomacromolecules*, **2018**, 19, 4386-4395	6.9	20
370	Ultrathin Metal-Organic Framework Nanosheets as a Gutter Layer for Flexible Composite Gas Separation Membranes. *ACS Nano*, **2018**, 12, 11591-11599	16.7	68

369	Improved Fenton Therapy Using Cancer Cell Hydrogen Peroxide. *Australian Journal of Chemistry*, **2018**, 71, 826	1.2	12
368	Gradient Polydopamine Coating: A Simple and General Strategy toward Multishape Memory Effects. *ACS Applied Materials & Interfaces*, **2018**, 10, 32922-32934	9.5	20
367	Low-Temperature Sintering of Stereocomplex-Type Polylactide Nascent Powder: From Compression Molding to Injection Molding. *Macromolecular Materials and Engineering*, **2018**, 303, 1800178	3.9	9
366	MOF Scaffold for a High-Performance Mixed-Matrix Membrane. *Angewandte Chemie - International Edition*, **2018**, 57, 8597-8602	16.4	37
365	Preparation of a thermally conductive biodegradable cellulose nanofiber/hydroxylated boron nitride nanosheet film: the critical role of edge-hydroxylation. *Journal of Materials Chemistry A*, **2018**, 6, 11863-11873	13	71
364	MOF Scaffold for a High-Performance Mixed-Matrix Membrane. *Angewandte Chemie*, **2018**, 130, 8733-8738	3.8	16
363	Largely Enhanced Stretching Sensitivity of Polyurethane/Carbon Nanotube Nanocomposites via Incorporation of Cellulose Nanofiber. *Journal of Physical Chemistry C*, **2017**, 121, 2108-2117	3.8	52
362	Achieving a low electrical percolation threshold and superior mechanical performance in poly(L-lactide)/thermoplastic polyurethane/carbon nanotubes composites via tailoring phase morphology with the aid of stereocomplex crystallites. *RSC Advances*, **2017**, 7, 11076-11084	3.7	15
361	Nature-inspired design of strong, tough glass-ceramics. *MRS Bulletin*, **2017**, 42, 220-225	3.2	25
360	Design and Preparation of a Unique Segregated Double Network with Excellent Thermal Conductive Property. *ACS Applied Materials & Interfaces*, **2017**, 9, 7637-7647	9.5	115
359	Increasing both selectivity and permeability of mixed-matrix membranes: Sealing the external surface of porous MOF nanoparticles. *Journal of Membrane Science*, **2017**, 535, 350-356	9.6	58
358	Morphology Evolution of Polymer Blends under Intense Shear During High Speed Thin-Wall Injection Molding. *Journal of Physical Chemistry B*, **2017**, 121, 6257-6270	3.4	12
357	Fabrication of electrospun PVDF nanofibers with higher content of polar β phase and smaller diameter by adding a small amount of dioctadecyl dimethyl ammonium chloride. *Chinese Journal of Polymer Science (English Edition)*, **2017**, 35, 992-1000	3.5	18
356	Effect of trastuzumab on the micellization properties, endocytic pathways and antitumor activities of polyurethane-based drug delivery system. *Chinese Journal of Polymer Science (English Edition)*, **2017**, 35, 909-923	3.5	8
355	Tailor-Made Dispersion and Distribution of Stereocomplex Crystallites in Poly(l-lactide)/Elastomer Blends toward Largely Enhanced Crystallization Rate and Impact Toughness. *Journal of Physical Chemistry B*, **2017**, 121, 6271-6279	3.4	14
354	Fenton-RAFT Polymerization: An "On-Demand" Chain-Growth Method. *Chemistry - A European Journal*, **2017**, 23, 7221-7226	4.8	42
353	Ultrathin flexible reduced graphene oxide/cellulose nanofiber composite films with strongly anisotropic thermal conductivity and efficient electromagnetic interference shielding. *Journal of Materials Chemistry C*, **2017**, 5, 3748-3756	7.1	188
352	Surface Distribution and Biophysicochemical Properties of Polymeric Micelles Bearing Gemini Cationic and Hydrophilic Groups. *ACS Applied Materials & Interfaces*, **2017**, 9, 2138-2149	9.5	20

351	Post-Crosslinked Polyurethanes with Excellent Shape Memory Property. *Macromolecular Rapid Communications*, **2017**, 38, 1700450	4.8	16
350	Low-Temperature Sintering of Stereocomplex-Type Polylactide Nascent Powder: Effect of Crystallinity. *Macromolecules*, **2017**, 50, 7611-7619	5.5	34
349	Recent Progress on the Confinement, Assembly, and Relaxation of Inorganic Functional Fillers in Polymer Matrix during Processing. *Macromolecular Rapid Communications*, **2017**, 38, 1700444	4.8	13
348	Sono-RAFT Polymerization in Aqueous Medium. *Angewandte Chemie - International Edition*, **2017**, 56, 12302-12306	16.4	100
347	Development of a Robust PET-RAFT Polymerization Using Graphitic Carbon Nitride (g-C3N4). *Macromolecules*, **2017**, 50, 7509-7516	5.5	84
346	MOF-Mediated Destruction of Cancer Using the Cell's Own Hydrogen Peroxide. *ACS Applied Materials & Interfaces*, **2017**, 9, 33599-33608	9.5	107
345	Diverse approaches to star polymers via cationic and radical RAFT cross-linking reactions using mechanistic transformation. *Polymer Chemistry*, **2017**, 8, 5972-5981	4.9	25
344	Recent Advances in Processing of Stereocomplex-Type Polylactide. *Macromolecular Rapid Communications*, **2017**, 38, 1700454	4.8	91
343	Completely Green Approach for the Preparation of Strong and Highly Conductive Graphene Composite Film by Using Nanocellulose as Dispersing Agent and Mechanical Compression. *ACS Sustainable Chemistry and Engineering*, **2017**, 5, 9102-9113	8.3	61
342	Morphology and mechanical properties of immiscible polyethylene/polyamide12 blends prepared by high shear processing. *Chinese Journal of Polymer Science (English Edition)*, **2017**, 35, 1132-1142	3.5	14
341	Achieving a Collapsible, Strong, and Highly Thermally Conductive Film Based on Oriented Functionalized Boron Nitride Nanosheets and Cellulose Nanofiber. *ACS Applied Materials & Interfaces*, **2017**, 9, 30035-30045	9.5	167
340	Clickable and imageable multiblock polymer micelles with magnetically guided and PEG-switched targeting and release property for precise tumor theranosis. *Biomaterials*, **2017**, 145, 138-153	15.6	44
339	Significant Enhancement of Thermal Conductivity in Polymer Composite via Constructing Macroscopic Segregated Filler Networks. *ACS Applied Materials & Interfaces*, **2017**, 9, 29071-29081	9.5	55
338	Ultrahigh-performance electrospun polylactide membranes with excellent oil/water separation ability via interfacial stereocomplex crystallization. *Journal of Materials Chemistry A*, **2017**, 5, 19729-19737	10.7	50
337	Preparation of nylon MXD6/EG/CNTs ternary composites with excellent thermal conductivity and electromagnetic interference shielding effectiveness. *Chinese Journal of Polymer Science (English Edition)*, **2017**, 35, 1497-1507	3.5	21
336	Antifogging Surface Facilitated by Nanoscale Coatings with Controllable Hydrophobicity and Cross-Linking Density. *Macromolecular Materials and Engineering*, **2017**, 302, 1600199	3.9	13
335	Gemini quaternary ammonium salt waterborne biodegradable polyurethanes with antibacterial and biocompatible properties. *Materials Chemistry Frontiers*, **2017**, 1, 361-368	7.8	30
334	Hydrophobic cellulose films with excellent strength and toughness via ball milling activated acylation of microfibrillated cellulose. *Carbohydrate Polymers*, **2016**, 154, 129-38	10.3	52

333	A facile way to large-scale production of few-layered graphene via planetary ball mill. *Chinese Journal of Polymer Science (English Edition)*, **2016**, 34, 1270-1280	3.5	19
332	Blends of Fluorinated Additives with Highly Selective Thin-Film Composite Membranes to Increase CO2 Permeability for CO2/N2 Gas Separation Applications. *Industrial & Engineering Chemistry Research*, **2016**, 55, 8364-8372	3.9	17
331	Transcrystallization of poly(L-lactic acid) on the surface of reduced graphene oxide fibers. *RSC Advances*, **2016**, 6, 100090-100097	3.7	7
330	A Novel Surface Structure Consisting of Contact-active Antibacterial Upper-layer and Antifouling Sub-layer Derived from Gemini Quaternary Ammonium Salt Polyurethanes. *Scientific Reports*, **2016**, 6, 32140	4.9	60
329	Observed Photoenhancement of RAFT Polymerizations under Fume Hood Lighting. *ACS Macro Letters*, **2016**, 5, 1287-1292	6.6	22
328	A novel solid state photocatalyst for living radical polymerization under UV irradiation. *Scientific Reports*, **2016**, 6, 20779	4.9	28
327	Largely enhanced electrical properties of polymer composites via the combined effect of volume exclusion and synergy. *RSC Advances*, **2016**, 6, 51900-51907	3.7	8
326	Enhanced mechanical properties of olefin block copolymer by adding a quaternary ammonium salt functionalized graphene oxide. *RSC Advances*, **2016**, 6, 54785-54792	3.7	16
325	Stereocomplex crystallites induce simultaneous enhancement in impact toughness and heat resistance of injection-molded polylactide/polyurethane blends. *RSC Advances*, **2016**, 6, 17008-17015	3.7	20
324	Star Polymers. *Chemical Reviews*, **2016**, 116, 6743-836	68.1	494
323	Effect of chain structure on the thermal conductivity of expanded graphite/polymer composites. *RSC Advances*, **2016**, 6, 10185-10191	3.7	16
322	Stereoregular High-Density Bottlebrush Polymer and Its Organic Nanocrystal Stereocomplex through Triple-Helix Formation. *Macromolecules*, **2016**, 49, 788-795	5.5	16
321	Microfibrillated cellulose reinforced bio-based poly(propylene carbonate) with dual-responsive shape memory properties. *RSC Advances*, **2016**, 6, 7560-7567	3.7	18
320	Ultra-thin film composite mixed matrix membranes incorporating iron(III)-dopamine nanoparticles for CO2 separation. *Nanoscale*, **2016**, 8, 8312-23	7.7	47
319	Inspired by nonenveloped viruses escaping from endo-lysosomes: a pH-sensitive polyurethane micelle for effective intracellular trafficking. *Nanoscale*, **2016**, 8, 7711-22	7.7	20
318	Using POSS□60 giant molecules as a novel compatibilizer for PS/PMMA polymer blends. *RSC Advances*, **2016**, 6, 18924-18928	3.7	14
317	Photocontrolled Cargo Release from Dual Cross-Linked Polymer Particles. *ACS Applied Materials & Interfaces*, **2016**, 8, 6219-28	9.5	19
316	Effect of stretching on the mechanical properties in melt-spun poly(butylene succinate)/microfibrillated cellulose (MFC) nanocomposites. *Carbohydrate Polymers*, **2016**, 140, 383-92	10.3	22

315	Fractionation of graphene oxide single nano-sheets in water-glycerol solutions using gradient centrifugation. *Carbon*, **2016**, 103, 363-371	10.4	18
314	A novel cross-linked nano-coating for carbon dioxide capture. *Energy and Environmental Science*, **2016**, 9, 434-440	35.4	75
313	A novel phosphatidylcholine-modified polyisoprene: synthesis and characterization. *Colloid and Polymer Science*, **2016**, 294, 433-439	2.4	6
312	Development of novel fluorinated additives for high performance CO2 separation thin-film composite membranes. *Journal of Membrane Science*, **2016**, 499, 191-200	9.6	51
311	Facilely assess the soluble behaviour of the ╫nucleating agent by gradient temperature field for the construction of heterogeneous crystalline-frameworks in iPP. *Soft Matter*, **2016**, 12, 594-601	3.6	23
310	Crystallization, Microstructure, and Viscosity Evolutions in Lithium Aluminosilicate Glass-Ceramics. *Frontiers in Materials*, **2016**, 3,	4	11
309	Prenatal developmental safety of functional polyurethanes for cardiovascular implants. *Journal of Biomedical Materials Research - Part B Applied Biomaterials*, **2016**, 104, 606-14	3.5	4
308	Bioactive Glass Innovations Through Academia-Industry Collaboration. *International Journal of Applied Glass Science*, **2016**, 7, 139-146	1.8	7
307	Toward High-Performance Poly(l-lactide) Fibers via Tailoring Crystallization with the Aid of Fibrillar Nucleating Agent. *ACS Sustainable Chemistry and Engineering*, **2016**, 4, 3939-3947	8.3	30
306	Strong, Tough Glass-Ceramics for Emerging Markets. *International Journal of Applied Glass Science*, **2016**, 7, 486-491	1.8	5
305	Powder metallurgy inspired low-temperature fabrication of high-performance stereocomplexed polylactide products with good optical transparency. *Scientific Reports*, **2016**, 6, 20260	4.9	45
304	The different effect of reduced graphene oxide and graphene oxide on the performance of chitosan by using homogenous fillers. *RSC Advances*, **2016**, 6, 34153-34158	3.7	10
303	CO2 separation using surface-functionalized SiO2 nanoparticles incorporated ultra-thin film composite mixed matrix membranes for post-combustion carbon capture. *Journal of Membrane Science*, **2016**, 515, 54-62	9.6	63
302	Spatial-controlled nanoengineered films prepared via rapid catalyst induced cross-linking. *Polymer Chemistry*, **2016**, 7, 3251-3258	4.9	4
301	Polypeptide-Based Macroporous Cryogels with Inherent Antimicrobial Properties: The Importance of a Macroporous Structure. *ACS Macro Letters*, **2016**, 5, 552-557	6.6	44
300	Preparation and characterization of controlled heparin release waterborne polyurethane coating systems. *Chinese Journal of Polymer Science (English Edition)*, **2016**, 34, 679-687	3.5	10
299	Multifunctional Mixed Micelles Cross-Assembled from Various Polyurethanes for Tumor Therapy. *Biomacromolecules*, **2016**, 17, 2148-59	6.9	17
298	Preparation of polyvinylidene fluoride/expanded graphite composites with enhanced thermal conductivity via ball milling treatment. *RSC Advances*, **2016**, 6, 45578-45584	3.7	33

297	The effect of DBP of carbon black on the dynamic self-assembly in a polymer melt. *RSC Advances*, **2016**, 6, 24843-24852	3.7	10
296	Controlled Polymerization: Beyond Traditional RAFT: Alternative Activation of Thiocarbonylthio Compounds for Controlled Polymerization (Adv. Sci. 9/2016). *Advanced Science*, **2016**, 3,	13.6	5
295	Synthesis and characterization of biodegradable lysine-based waterborne polyurethane for soft tissue engineering applications. *Biomaterials Science*, **2016**, 4, 1682-1690	7.4	36
294	Multishape and Temperature Memory Effects by Strong Physical Confinement in Poly(propylene carbonate)/Graphene Oxide Nanocomposites. *Journal of Physical Chemistry B*, **2016**, 120, 11064-11073	3.4	15
293	Effect of nanoparticles on fibril formation and mechanical performance of olefinic block copolymer (OBC)/polypropylene (PP) microfibrillar composites. *RSC Advances*, **2016**, 6, 86520-86530	3.7	6
292	Beyond Traditional RAFT: Alternative Activation of Thiocarbonylthio Compounds for Controlled Polymerization. *Advanced Science*, **2016**, 3, 1500394	13.6	189
291	Property enhancement of graphene fiber by adding small loading of cellulose nanofiber. *Nanocomposites*, **2016**, 2, 8-17	3.4	9
290	Mechanically reinforced chitosan/cellulose nanocrystals composites with good transparency and biocompatibility. *Chinese Journal of Polymer Science (English Edition)*, **2015**, 33, 61-69	3.5	34
289	Reduction of graphene oxide with the presence of polypropylene micro-latex for facile preparation of polypropylene/graphene nanosheet composites. *Colloid and Polymer Science*, **2015**, 293, 1495-1503	2.4	10
288	Preparation of hydrocarbon/fluorocarbon double-chain phospholipid polymer brusheson polyurethane films by ATRP. *Colloids and Surfaces B: Biointerfaces*, **2015**, 128, 36-43	6	10
287	Visible Light Mediated Controlled Radical Polymerization in the Absence of Exogenous Radical Sources or Catalysts. *Macromolecules*, **2015**, 48, 3864-3872	5.5	211
286	Largely enhanced mechanical properties and heat distortion temperature of β-nucleated isotactic polypropylene by adding ultrafine full-vulcanized powdered rubber. *RSC Advances*, **2015**, 5, 62797-62804	3.7	7
285	Cyclodextrin-based supramolecular polymeric nanoparticles for next generation gas separation membranes. *Journal of Materials Chemistry A*, **2015**, 3, 14876-14886	13	39
284	Tertiary amine catalyzed photo-induced controlled radical polymerization of methacrylates. *Polymer Chemistry*, **2015**, 6, 5362-5368	4.9	55
283	A novel biodegradable phosphorus-containing copolyester with preferable flame retardancy and mechanical properties. *RSC Advances*, **2015**, 5, 61364-61370	3.7	8
282	Synergetic effects of a matrix crystalline structure and chain mobility on the low temperature toughness of polypropylene/ethylene-octene copolymer blends. *RSC Advances*, **2015**, 5, 54488-54496	3.7	23
281	Cisplatin-Induced Formation of Biocompatible and Biodegradable Polypeptide-Based Vesicles for Targeted Anticancer Drug Delivery. *Biomacromolecules*, **2015**, 16, 2463-74	6.9	39
280	Largely reinforced polyurethane via simultaneous incorporation of poly(lactic acid) and multiwalled carbon nanotubes. *RSC Advances*, **2015**, 5, 30912-30919	3.7	7

279	Confine Clay in an Alternating Multilayered Structure through Injection Molding: A Simple and Efficient Route to Improve Barrier Performance of Polymeric Materials. *ACS Applied Materials & Interfaces*, **2015**, 7, 10178-89	9.5	26
278	Enhancement of the tensile strength in poly(p-phenylene sulfide) and multi-walled carbon nanotube nanocomposites by hot-stretching. *Journal of Materials Science*, **2015**, 50, 3622-3630	4.3	7
277	High-performance thin film composite membranes with well-defined poly(dimethylsiloxane)-b-poly(ethylene glycol) copolymer additives for CO2 separation. *Journal of Polymer Science Part A*, **2015**, 53, 1500-1511	2.5	25
276	In situ formation of polypropylene (PP) fibrils in the olefinic block copolymer (OBC): effect of viscosity ratio and OBC block architecture. *RSC Advances*, **2015**, 5, 85442-85445	3.7	6
275	The effect of hard block content on the orientation and mechanical properties of olefin block copolymer films as obtained via melt stretching. *RSC Advances*, **2015**, 5, 82535-82543	3.7	12
274	Comparison of Borate Bioactive Glass and Calcium Sulfate as Implants for the Local Delivery of Teicoplanin in the Treatment of Methicillin-Resistant Staphylococcus aureus-Induced Osteomyelitis in a Rabbit Model. *Antimicrobial Agents and Chemotherapy*, **2015**, 59, 7571-80	5.9	23
273	A novel non-releasing antibacterial poly(styrene-acrylate)/waterborne polyurethane composite containing gemini quaternary ammonium salt. *RSC Advances*, **2015**, 5, 89763-89770	3.7	20
272	A rapid and facile preparation of novel macroporous silicone-based cryogels via photo-induced thiol-ene click chemistry. *Chemical Communications*, **2015**, 51, 17479-82	5.8	28
271	Towards high molecular weight poly(bisphenol a carbonate) with excellent thermal stability and mechanical properties by solid-state polymerization. *Chinese Journal of Polymer Science (English Edition)*, **2015**, 33, 1176-1185	3.5	6
270	Controlled Formation of Star Polymer Nanoparticles via Visible Light Photopolymerization. *ACS Macro Letters*, **2015**, 4, 1012-1016	6.6	82
269	Preparation and properties of polystyrene nanocomposites containing dumbbell-shaped molecular nanoparticles based on polyhedral oligomeric silsesquioxane and [60]fullerene. *RSC Advances*, **2015**, 5, 70051-70058	3.7	7
268	Fabrication of ultra-thin polyrotaxane-based films via solid-state continuous assembly of polymers. *Chemical Communications*, **2015**, 51, 2025-8	5.8	10
267	Kinetic study of a swelling-induced network of folds in a cross-linked PS-PDMS film. *RSC Advances*, **2015**, 5, 3733-3742	3.7	3
266	The optimization of thermoelectric properties in a PEDOT:PSS thin film through post-treatment. *RSC Advances*, **2015**, 5, 1910-1917	3.7	73
265	Precision synthesis of macrocyclic giant surfactants tethered with two different polyhedral oligomeric silsesquioxanes at distinct ring locations via four consecutive “click” reactions. *Polymer Chemistry*, **2015**, 6, 827-837	4.9	19
264	Manipulation of multiphase morphology in the reactive blending system OBC/PLA/EGMA. *RSC Advances*, **2015**, 5, 96353-96359	3.7	9
263	Stochastic/Controlled Symmetry Breaking of the T8 -POSS Cages toward Multifunctional Regioisomeric Nanobuilding Blocks. *Chemistry - A European Journal*, **2015**, 21, 15246-55	4.8	31
262	Oriented Poly(lactic acid)/Carbon Nanotube Composite Tapes with High Electrical Conductivity and Mechanical Properties. *Macromolecular Materials and Engineering*, **2015**, 300, 1257-1267	3.9	17

261	Transcrystallinity and relevant interfacial strength induced by carbon nanotube fibers in a polypropylene matrix. *Journal of Applied Polymer Science*, **2015**, 132, n/a-n/a	2.9	4
260	Bioactive Glass for Large Bone Repair. *Advanced Healthcare Materials*, **2015**, 4, 2842-8	10.1	30
259	Constructing stereocomplex structures at the interface for remarkably accelerating matrix crystallization and enhancing the mechanical properties of poly(L-lactide)/multi-walled carbon nanotube nanocomposites. *Journal of Materials Chemistry A*, **2015**, 3, 13835-13847	13	44
258	Effect of microdomain structure on the mechanical behavior of binary blends. *Chinese Journal of Polymer Science (English Edition)*, **2015**, 33, 964-975	3.5	4
257	Synthesis of perfectly alternating copolymers for polymers of intrinsic microporosity. *Polymer Chemistry*, **2015**, 6, 5003-5008	4.9	24
256	Enhanced thermoelectric properties of PEDOT:PSS films via a novel two-step treatment. *RSC Advances*, **2015**, 5, 105592-105599	3.7	29
255	Molecular dynamics studies of interfacial crystallization behaviors in polyethylene/carbon nanotube composites. *RSC Advances*, **2015**, 5, 102219-102227	3.7	8
254	Biomimetic surface modification of polyurethane with phospholipids grafted carbon nanotubes. *Journal of Biomedical Materials Research - Part A*, **2015**, 103, 2711-9	5.4	3
253	Cyclodextrin-based supramolecular assemblies and hydrogels: recent advances and future perspectives. *Macromolecular Rapid Communications*, **2014**, 35, 1166-84	4.8	126
252	Preparation of polypropylene/graphite nanocomposite with the aids of rotating solid-state mixing and dynamic packing injection molding. *Polymer Composites*, **2014**, 35, 1943-1951	3	4
251	Soft polymeric nanoparticle additives for next generation gas separation membranes. *Journal of Materials Chemistry A*, **2014**, 2, 4999	13	60
250	Highly Efficient and Versatile Formation of Biocompatible Star Polymers in Pure Water and Their Stimuli-Responsive Self-Assembly. *Macromolecules*, **2014**, 47, 7869-7877	5.5	32
249	Microfibrillated cellulose-reinforced bio-based poly(propylene carbonate) with dual shape memory and self-healing properties. *Journal of Materials Chemistry A*, **2014**, 2, 20393-20401	13	69
248	Synthesis and characterization of biodegradable polyurethanes with folate side chains conjugated to hard segments. *Polymer Chemistry*, **2014**, 5, 2901-2910	4.9	29
247	Clicking fluorinated polyhedral oligomeric silsesquioxane onto polymers: a modular approach toward shape amphiphiles with fluorous molecular clusters. *Polymer Chemistry*, **2014**, 5, 3588	4.9	32
246	Effect of melting temperature on interfacial interaction and mechanical properties of polypropylene (PP) fiber reinforced olefin block copolymers (OBCs). *RSC Advances*, **2014**, 4, 45234-45243	3.7	16
245	Water-induced shape memory effect of graphene oxide reinforced polyvinyl alcohol nanocomposites. *Journal of Materials Chemistry A*, **2014**, 2, 2240-2249	13	235
244	Towards high-performance poly(L-lactide)/elastomer blends with tunable interfacial adhesion and matrix crystallization via constructing stereocomplex crystallites at the interface. *RSC Advances*, **2014**, 4, 49374-49385	3.7	43

243	A high-performance temperature sensitive TPV/CB elastomeric composite with balanced electrical and mechanical properties via PF-induced dynamic vulcanization. *Journal of Materials Chemistry A*, **2014**, 2, 16989-16996	13	39
242	The resistivity–strain behavior of conductive polymer composites: stability and sensitivity. *Journal of Materials Chemistry A*, **2014**, 2, 17085-17098	13	132
241	The effect of soft nanoparticles morphologies on thin film composite membrane performance. *Journal of Materials Chemistry A*, **2014**, 2, 17751-17756	13	36
240	Formation of new electric double percolation via carbon black induced co-continuous like morphology. *RSC Advances*, **2014**, 4, 37193	3.7	35
239	Towards tunable resistivity–strain behavior through construction of oriented and selectively distributed conductive networks in conductive polymer composites. *Journal of Materials Chemistry A*, **2014**, 2, 10048-10058	13	67
238	Strong and tough micro/nanostructured poly(lactic acid) by mimicking the multifunctional hierarchy of shell. *Materials Horizons*, **2014**, 1, 546-552	14.4	51
237	Largely Improved Mechanical Properties of a Poly(styrene-b-isoprene-b-styrene) Thermoplastic Elastomer Prepared under Dynamic-Packing Injection Molding. *Industrial & Engineering Chemistry Research*, **2014**, 53, 15287-15295	3.9	13
236	Self-assembled 3D biocompatible and bioactive layer at the macro-interface via graphene-based supermolecules. *Polymer Chemistry*, **2014**, 5, 3563	4.9	49
235	Dynamic performance of duolayers at the air/water interface. 1. Experimental analysis. *Journal of Physical Chemistry B*, **2014**, 118, 10919-26	3.4	4
234	Biodegradable multiblock polyurethane micelles with tunable reduction-sensitivity for on-demand intracellular drug delivery. *RSC Advances*, **2014**, 4, 24736-24746	3.7	27
233	Strong and conductive double-network graphene/PVA gel. *RSC Advances*, **2014**, 4, 39588	3.7	29
232	Continuous assembly of polymers via solid phase reactions. *Chemical Science*, **2014**, 5, 3374-3380	9.4	9
231	Effect of molecular weight on the properties of poly(butylene succinate). *Chinese Journal of Polymer Science (English Edition)*, **2014**, 32, 953-960	3.5	21
230	Toughening of polycarbonate through reactive melt blending: Effect of hydroxyl content and viscosity of hydroxyl-terminated polydimethysiloxane. *Chinese Journal of Polymer Science (English Edition)*, **2014**, 32, 823-833	3.5	6
229	Comparison of the toughening behavior for poly(ethylene terephthalate) with spherulitic or ellipsoid elastomer-particles. *Journal of Polymer Research*, **2014**, 21, 1	2.7	2
228	Polyimide polydimethylsiloxane triblock copolymers for thin film composite gas separation membranes. *Journal of Polymer Science Part A*, **2014**, 52, 3372-3382	2.5	28
227	Thiol-Michael “click” chemistry: another efficient tool for head functionalization of giant surfactants. *Polymer Chemistry*, **2014**, 5, 6151-6162	4.9	29
226	Kinetic study on lithium-aluminosilicate (LAS) glass-ceramics containing MgO and ZnO. *Ceramics International*, **2014**, 40, 11657-11661	5.1	27

225	Simultaneous improvements of thermal stability and mechanical properties of poly(propylene carbonate) via incorporation of environmental-friendly polydopamine. *Chinese Journal of Polymer Science (English Edition)*, **2014**, 32, 1724-1736	3.5	15
224	Azobenzene-Functionalised Core Cross-Linked Star Polymers and their Host□Guest Interactions. *Australian Journal of Chemistry*, **2014**, 67, 173	1.2	12
223	Soft nanoparticles assembled from linear poly(ethylene glycol) and linear brush polydimethylsiloxane diblock copolymers. *Journal of Polymer Science Part A*, **2014**, 52, 1251-1262	2.5	12
222	Enhanced interfacial adhesion via interfacial crystallization between sisal fiber and isotactic polypropylene: direct evidence from single-fiber fragmentation testing. *Polymer International*, **2014** , 63, 646-651	3.3	16
221	Low-dimensional carbonaceous nanofiller induced polymer crystallization. *Progress in Polymer Science*, **2014**, 39, 555-593	29.6	124
220	Progress on the morphological control of conductive network in conductive polymer composites and the use as electroactive multifunctional materials. *Progress in Polymer Science*, **2014**, 39, 627-655	29.6	460
219	Control of the hierarchical structure of polymer articles via □tructuring□processing. *Progress in Polymer Science*, **2014**, 39, 891-920	29.6	54
218	Combined effects of stretching and nanofillers on the crystalline structure and mechanical properties of polypropylene and single-walled carbon nanotube composite fibers. *Chinese Journal of Polymer Science (English Edition)*, **2014**, 32, 245-254	3.5	18
217	Brittle□ductile transition behavior of poly(ethylene terephthalate)/poly(ethylene-octene) blend: the roles of compatibility and test temperature. *Journal of Materials Science*, **2014**, 49, 1794-1804	4.3	7
216	Size-specified graphene oxide sheets: ultrasonication assisted preparation and characterization. *Journal of Materials Science*, **2014**, 49, 1785-1793	4.3	72
215	Size distribution and anisotropy of the minor phase droplets in polypropylene/ethylene-octene copolymer blends: Effects of shear and component miscibility. *Chinese Journal of Polymer Science (English Edition)*, **2014**, 32, 9-20	3.5	9
214	Synergistic effects of polyethylene glycol and ammonium polyphosphate on intumescent flame-retardant polypropylene. *Polymer Engineering and Science*, **2013**, 53, 410-416	2.3	10
213	Combined effect of □nucleating agent and processing melt temperature on the toughness of impact polypropylene copolymer. *Polymer International*, **2013**, 62, 172-178	3.3	13
212	Modified resistivity□strain behavior through the incorporation of metallic particles in conductive polymer composite fibers containing carbon nanotubes. *Polymer International*, **2013**, 62, 134-140	3.3	54
211	Effect of surface wettability on transparency in different water conditions **2013**, 10, 641-647		8
210	The degradation and biocompatibility of waterborne biodegradable polyurethanes for tissue engineering. *Chinese Journal of Polymer Science (English Edition)*, **2013**, 31, 1451-1462	3.5	29
209	Enhanced crystallization behaviors of poly(ethylene terephthalate) via adding expanded graphite and poly(ethylene glycol). *Colloid and Polymer Science*, **2013**, 291, 911-917	2.4	4
208	Tunable liquid sensing performance of conducting carbon nanotube□polyethylene composites with a porous segregated structure. *RSC Advances*, **2013**, 3, 19802	3.7	13

207	The effect of silica morphology on properties of PVA/silica nano-composites. *Chinese Journal of Polymer Science (English Edition)*, **2013**, 31, 1546-1553	3.5	7
206	Highly permeable membrane materials for CO2 capture. *Journal of Materials Chemistry A*, **2013**, 1, 13769	13	50
205	Interfacial strength and mechanical properties of biocomposites based on ramie fibers and poly(butylene succinate). *RSC Advances*, **2013**, 3, 26418	3.7	39
204	Preparation of expanded graphite/poly (phenylene sulfide) composites with high thermal and electrical conductivity by rotating solid-state premixing and melt processing. *Journal of Materials Science*, **2013**, 48, 1932-1939	4.3	16
203	Novel drug carriers: from grafted polymers to cross-linked vesicles. *Chemical Communications*, **2013** , 49, 33-5	5.8	37
202	Bone regeneration in strong porous bioactive glass (13-93) scaffolds with an oriented microstructure implanted in rat calvarial defects. *Acta Biomaterialia*, **2013**, 9, 4889-98	10.8	99
201	An Approach for the Sphere-to-Rod Transition of Multiblock Copolymer Micelles.. *ACS Macro Letters*, **2013**, 2, 146-151	6.6	32
200	Toward Strong and Tough Glass and Ceramic Scaffolds for Bone Repair. *Advanced Functional Materials*, **2013**, 23, 5461-5476	15.6	143
199	Synthesis and microphase separated structures of polydimethylsiloxane/polycarbonate-based polyurethanes. *RSC Advances*, **2013**, 3, 8291	3.7	24
198	On the structural, mechanical, and biodegradation properties of HA/β-TCP robocast scaffolds. *Journal of Biomedical Materials Research - Part B Applied Biomaterials*, **2013**, 101, 1233-42	3.5	69
197	Oscillatory shear-accelerated exfoliation of graphite in polypropylene melt during injection molding. *Chinese Journal of Polymer Science (English Edition)*, **2013**, 31, 98-109	3.5	17
196	Synthesis and properties of UV-curable polysiloxane methacrylate obtained by one-step method. *Chinese Journal of Polymer Science (English Edition)*, **2013**, 31, 363-370	3.5	10
195	The preparation and properties of polystyrene/functionalized graphene nanocomposite foams using supercritical carbon dioxide. *Polymer International*, **2013**, 62, 1077-1084	3.3	55
194	Synergistic effects of β-modification and impact polypropylene copolymer on brittle-ductile transition of polypropylene random copolymer. *Journal of Applied Polymer Science*, **2013**, 129, 3613-3622	2.9	11
193	Study of PE and iPP orientations on the surface of carbon nanotubes by using molecular dynamic simulations. *Molecular Simulation*, **2013**, 39, 1013-1021	2	14
192	Thermal annealing-induced superior toughness in polypropylene/poly(ethylene glycol) blend and its structural origin. *Polymer Engineering and Science*, **2013**, 53, 2053-2060	2.3	6
191	Combined effect of β-nucleating agent and multi-walled carbon nanotubes on polymorphic composition and morphology of isotactic polypropylene. *Journal of Thermal Analysis and Calorimetry*, **2012**, 107, 733-743	4.1	38
190	Toughening of Poly(L-Lactic Acid) by Annealing: The Effect of Crystal Morphologies and Modifications. *Journal of Macromolecular Science - Physics*, **2012**, 51, 184-196	1.4	8

189	Organic Catalyst-Mediated Ring-Opening Polymerization for the Highly Efficient Synthesis of Polyester-Based Star Polymers. *ACS Macro Letters*, **2012**, 1, 681-686	6.6	40
188	Phase structural formation and oscillation in polystyrene-block-polydimethylsiloxane thin films. *Soft Matter*, **2012**, 8, 7937	3.6	26
187	Synthesis of Novel Core Cross-Linked Star-Based Polyrotaxane End-Capped via "CuAAC" Click Chemistry. *Macromolecular Rapid Communications*, **2012**, 33, 2109-14	4.8	10
186	Self-assembly of biodegradable polyurethanes for controlled delivery applications. *Soft Matter*, **2012**, 8, 5414	3.6	116
185	Synthesis of novel cylindrical bottlebrush polypseudorotaxane via inclusion complexation of high density poly(□caprolactone) bottlebrush polymer and □cyclodextrins. *Polymer Chemistry*, **2012**, 3, 343-351	4.9	43
184	Efficient electromagnetic interference shielding of lightweight graphene/polystyrene composite. *Journal of Materials Chemistry*, **2012**, 22, 18772		423
183	Dynamic percolation in highly oriented conductive networks formed with different carbon nanofillers. *Colloid and Polymer Science*, **2012**, 290, 1393-1401	2.4	21
182	Effect of annealing on the microstructure and mechanical properties of polypropylene with oriented shish-kebab structure. *Polymer International*, **2012**, 61, 252-258	3.3	39
181	The interfacial enhancement of LLDPE/whisker composites via interfacial crystallization. *Polymers for Advanced Technologies*, **2012**, 23, 431-440	3.2	12
180	New piezoelectric damping composites of poly(vinylidene fluoride) blended with clay and multi-walled carbon nanotubes. *Polymer International*, **2012**, 61, 934-938	3.3	16
179	Superior reinforcement in polyamide 1010/multiwalled carbon nanotube composites realized by high-rate drawing and incorporation of compatibilizer. *Polymer International*, **2012**, 61, 1400-1410	3.3	3
178	Nanohybrid shish kebab structure and its effect on mechanical properties in poly(L-lactide)/carbon nanotube nanocomposite fibers. *Polymer International*, **2012**, 61, 1634-1639	3.3	17
177	Acid-modified carbon nanotubes distribution and mechanical enhancement in polystyrene/elastomer blends. *Polymer Engineering and Science*, **2012**, 52, 964-971	2.3	4
176	In vitro performance of 13-93 bioactive glass fiber and trabecular scaffolds with MLO-A5 osteogenic cells. *Journal of Biomedical Materials Research - Part A*, **2012**, 100, 2593-601	5.4	4
175	Alternating multilayer structure of polyethylene/polypropylene blends obtained through injection molding. *Journal of Applied Polymer Science*, **2012**, 124, n/a-n/a	2.9	2
174	Interfacial enhancement of maleated polypropylene/silica composites using graphene oxide. *Journal of Applied Polymer Science*, **2012**, 125, E348	2.9	30
173	Unusual rheological characteristics of polypropylene/organoclay nanocomposites in continuous cooling process. *Journal of Applied Polymer Science*, **2012**, 125, E292	2.9	2
172	Sol-gel method to fabricate CaP scaffolds by robocasting for tissue engineering. *Journal of Materials Science: Materials in Medicine*, **2012**, 23, 921-30	4.5	23

171	Morphology and mechanical properties of poly(ethyleneoctene) copolymers obtained by dynamic packing injection molding. *Chinese Journal of Polymer Science (English Edition)*, **2012**, 30, 603-612	3.5	9
170	Porous and strong bioactive glass (13-93) scaffolds prepared by unidirectional freezing of camphene-based suspensions. *Acta Biomaterialia*, **2012**, 8, 415-23	10.8	57
169	Electroactive Shape-Memory Ternary Composite Based on Bi-Component Biodegradable Polyester. *Journal of Macromolecular Science - Physics*, **2012**, 51, 1815-1821	1.4	1
168	Interfacial enhancement of poly(ethylene terephthalate)/silica composites using graphene oxide. *Journal of Materials Research*, **2012**, 27, 2360-2367	2.5	6
167	Effect of surface groove structure of carbon nanotube bundles on the formation of nanohybrid shish kebab. *Journal of Materials Research*, **2012**, 27, 2812-2818	2.5	8
166	Polarity-induced ferroelectric crystalline phase in electrospun fibers of poly(vinylidene fluoride)/polyacrylonitrile blends. *Journal of Materials Research*, **2012**, 27, 1389-1398	2.5	9
165	Preparation and rapid degradation of nontoxic biodegradable polyurethanes based on poly(lactic acid)-poly(ethylene glycol)-poly(lactic acid) and L-lysine diisocyanate. *Polymer Chemistry*, **2011**, 2, 601-607	4.9	88
164	Effect of PEG content on the properties of biodegradable amphiphilic multiblock poly(caprolactone urethane)s. *Polymer Chemistry*, **2011**, 2, 885	4.9	37
163	Stretch-Induced Shish-Kebabs in Rubbery Poly(L-Lactide). *Journal of Macromolecular Science - Physics*, **2011**, 50, 2042-2049	1.4	7
162	Control of Crystal Morphology in Poly(l-lactide) by Adding Nucleating Agent. *Macromolecules*, **2011**, 44, 1233-1237	5.5	171
161	Synthesis and Characterization of pH-Sensitive Biodegradable Polyurethane for Potential Drug Delivery Applications. *Macromolecules*, **2011**, 44, 857-864	5.5	135
160	Fabrication of a transparent superamphiphobic coating with improved stability. *Soft Matter*, **2011**, 7, 6435	3.6	119
159	PET Clay Nanocomposites by In-situ Polymerization **2011**, 105-122		
158	The effect of acrylamide-co-vinylpyrrolidinone copolymer on the depression of talc in mixed nickel mineral flotation. *Minerals Engineering*, **2011**, 24, 449-454	4.9	14
157	Bioactive glass scaffolds for bone tissue engineering: state of the art and future perspectives. *Materials Science and Engineering C*, **2011**, 31, 1245-1256	8.3	451
156	Preparation of polyester/reduced graphene oxide composites via in situ melt polycondensation and simultaneous thermo-reduction of graphene oxide. *Journal of Materials Chemistry*, **2011**, 21, 8612		128
155	Direct ink writing of highly porous and strong glass scaffolds for load-bearing bone defects repair and regeneration. *Acta Biomaterialia*, **2011**, 7, 3547-54	10.8	252
154	Superior tensile extensibility of PETG/PC amorphous blends induced via uniaxial stretching. *Chinese Journal of Polymer Science (English Edition)*, **2011**, 29, 125-132	3.5	6

153	Effects of matrix molecular weight on structure and reinforcement of high density polyethylene/mica composites. *Chinese Journal of Polymer Science (English Edition)*, **2011**, 29, 377-389	3.5	10
152	High speed injection molding of high density polyethylene □Effects of injection speed on structure and properties. *Chinese Journal of Polymer Science (English Edition)*, **2011**, 29, 456-464	3.5	9
151	Synthesis and phase behavior of polyurethanes end-capped with fluorinated phosphatidylcholine head groups. *Chinese Journal of Polymer Science (English Edition)*, **2011**, 29, 615-626	3.5	12
150	The variable role of clay on the crystallization behavior of DMDBS-nucleated polypropylene. *Chinese Journal of Polymer Science (English Edition)*, **2011**, 29, 732-740	3.5	8
149	Oriented bioactive glass (13-93) scaffolds with controllable pore size by unidirectional freezing of camphene-based suspensions: Microstructure and mechanical response. *Acta Biomaterialia*, **2011**, 7, 406-16	10.8	84
148	Epitaxial crystallization and oriented structure of linear low-density polyethylene/isotactic polypropylene blends obtained via dynamic packing injection molding. *Polymers for Advanced Technologies*, **2011**, 22, 225-231	3.2	8
147	Simultaneous enhancement of electrical conductivity and impact strength via formation of carbon black-filler network in PP/EPDM Blends. *Polymers for Advanced Technologies*, **2011**, 22, 857-862	3.2	15
146	Polystyrene-wrapping multi-walled carbon nanotubes obtained via simple physical modification of melt mixing. *Polymers for Advanced Technologies*, **2011**, 22, 1359-1365	3.2	4
145	Dependence of mechanical properties on ╫form content and crystalline morphology for ╫nucleated isotactic polypropylene. *Polymers for Advanced Technologies*, **2011**, 22, 2044-2054	3.2	64
144	Ordered long-helical conformation of isotactic polypropylene obtained in constrained environment of nanoclay. *Polymers for Advanced Technologies*, **2011**, 22, 1375-1380	3.2	10
143	Synthesis and micellization of new biodegradable phosphorylcholine-capped polyurethane. *Journal of Polymer Science Part A*, **2011**, 49, 2033-2042	2.5	34
142	Toughening of polypropylene with crystallizable poly(ethylene oxide). *Polymer International*, **2011**, 60, 781-786	3.3	5
141	Tailoring toughness of injection molded bar of polypropylene random copolymer through processing melt temperature. *Polymer International*, **2011**, 60, 1705-1714	3.3	11
140	Preparation, structure and properties of thermoplastic olefin nanocomposites containing functionalized carbon nanotubes. *Polymer International*, **2011**, 60, 1629-1637	3.3	25
139	Extension-induced mechanical reinforcement in melt-spun fibers of polyamide 66/multiwalled carbon nanotube composites. *Polymer International*, **2011**, 60, 1646-1654	3.3	25
138	Shear-induced fibrillation and resultant mechanical properties of injection-molded polyamide 1010/isotactic polypropylene blends. *Polymer International*, **2011**, 60, 1655-1662	3.3	10
137	Bioinspired Strong and Highly Porous Glass Scaffolds. *Advanced Functional Materials*, **2011**, 21, 1058-1063	35.6	186
136	Improving tensile strength and toughness of melt processed polyamide 6/multiwalled carbon nanotube composites by in situ polymerization and filler surface functionalization. *Journal of Applied Polymer Science*, **2011**, 120, 133-140	2.9	17

135	Improved thermal stability and mechanical properties of poly(propylene carbonate) by reactive blending with maleic anhydride. *Journal of Applied Polymer Science*, **2011**, 120, 3565-3573	2.9	35
134	Preparation and properties of poly(ethylene terephthalate)/inorganic whiskers composites. *Journal of Applied Polymer Science*, **2011**, 121, 604-611	2.9	10
133	Strengthening and toughening of thermoplastic polyolefin elastomer using polypropylene-grafted multiwalled carbon nanotubes. *Journal of Applied Polymer Science*, **2011**, 121, 2104-2112	2.9	23
132	Preparation of high performance conductive polymer fibres from double percolated structure. *Journal of Materials Chemistry*, **2011**, 21, 6401		65
131	A promising alternative to conventional polyethylene with poly(propylene carbonate) reinforced by graphene oxide nanosheets. *Journal of Materials Chemistry*, **2011**, 21, 17627		51
130	Three-dimensional visualization of bioactive glass-bone integration in a rabbit tibia model using synchrotron X-ray microcomputed tomography. *Tissue Engineering - Part A*, **2011**, 17, 3077-84	3.9	18
129	Bioactive glass in tissue engineering. *Acta Biomaterialia*, **2011**, 7, 2355-73	10.8	1164
128	Spectroscopic Evidence of Melting of Ordered Structures in the Aged Glassy Poly(l-lactide). *Macromolecules*, **2010**, 43, 1702-1705	5.5	33
127	Biodegradable gemini multiblock poly(ε-caprolactone urethane)s toward controllable micellization. *Soft Matter*, **2010**, 6, 2087	3.6	46
126	Annealing-Induced Oriented Crystallization and Its Influence on the Mechanical Responses in the Melt-Spun Monofilament of Poly(l-lactide). *Macromolecules*, **2010**, 43, 1156-1158	5.5	32
125	Conversion of borate-based glass scaffold to hydroxyapatite in a dilute phosphate solution. *Biomedical Materials (Bristol)*, **2010**, 5, 15005	3.5	26
124	Modification of poly(D,L-lactic acid)-co-poly(ethylene glycol) copolymer by low energy electron beam (EB) radiation. *E-Polymers*, **2010**, 10,	2.7	1
123	Partial melting and recrystallization of isotactic polypropylene. *Chinese Journal of Polymer Science (English Edition)*, **2010**, 28, 77-83	3.5	13
122	Effect of melt temperature on the phase morphology, thermal behavior and mechanical properties of injection-molded PP/LLDPE blends. *Chinese Journal of Polymer Science (English Edition)*, **2010**, 28, 249-255	3.5	13
121	Effect of solution extrusion rate on morphology and performance of polyvinylidene fluoride hollow fiber membranes using polyvinyl pyrrolidone as an additive. *Chinese Journal of Polymer Science (English Edition)*, **2010**, 28, 527-535	3.5	3
120	Studies on partial compatibility of PP and PS. *Chinese Journal of Polymer Science (English Edition)*, **2010**, 28, 647-656	3.5	7
119	Bioactive borate glass scaffolds: in vitro and in vivo evaluation for use as a drug delivery system in the treatment of bone infection. *Journal of Materials Science: Materials in Medicine*, **2010**, 21, 575-82	4.5	58
118	A Simple Way for Synthesis of Alkyne-Telechelic Poly(methyl methacrylate) via Single Electron Transfer Radical Coupling Reaction. *Chinese Journal of Chemistry*, **2010**, 28, 1327-1330	4.9	3

117	Preparation and in vitro evaluation of bioactive glass (13-93) scaffolds with oriented microstructures for repair and regeneration of load-bearing bones. *Journal of Biomedical Materials Research - Part A*, **2010**, 93, 1380-90	5.4	64
116	Silicate, borosilicate, and borate bioactive glass scaffolds with controllable degradation rate for bone tissue engineering applications. II. In vitro and in vivo biological evaluation. *Journal of Biomedical Materials Research - Part A*, **2010**, 95, 172-9	5.4	143
115	Silicate, borosilicate, and borate bioactive glass scaffolds with controllable degradation rate for bone tissue engineering applications. I. Preparation and in vitro degradation. *Journal of Biomedical Materials Research - Part A*, **2010**, 95, 164-71	5.4	250
114	In vivo evaluation of 13-93 bioactive glass scaffolds with trabecular and oriented microstructures in a subcutaneous rat implantation model. *Journal of Biomedical Materials Research - Part A*, **2010**, 95, 235-44	5.4	51
113	The effect of adjuvant on the halogen-free intumescent flame retardant ABS/PA6/SMA/APP blend. *Journal of Applied Polymer Science*, **2010**, 118, n/a-n/a	2.9	1
112	Investigation of nitroxide radical coupling reaction in wide temperature range and different catalyst system. *Journal of Polymer Science Part A*, **2010**, 48, 2991-2999	2.5	27
111	Shear-induced clay dispersion in HDPE/PEgMA/organoclay composites as studied via real-time rheological method. *Journal of Polymer Science, Part B: Polymer Physics*, **2010**, 48, 302-312	2.6	4
110	Suppressed molecular orientation in nylon 6/clay nanocomposite at large strain: Role of microvoiding. *Journal of Polymer Science, Part B: Polymer Physics*, **2010**, 48, 514-519	2.6	11
109	Plasma treatment-induced fluorine-functionalized multi-walled carbon nanotubes to modify poly(ethylene terephthalate) obtained via in situ polymerization. *Polymer International*, **2010**, 59, 198-203	3.3	6
108	Largely improved tensile extensibility of poly(L-lactic acid) by adding poly(ε-caprolactone). *Polymer International*, **2010**, 59, n/a-n/a	3.3	4
107	Simulation of self-assembly behaviour of fluorinated phospholipid molecules in aqueous solution by dissipative particle dynamics method. *Molecular Simulation*, **2009**, 35, 638-647	2	11
106	Combined effect of shear and nucleating agent on the multilayered structure of injection-molded bar of isotactic polypropylene. *Journal of Applied Polymer Science*, **2009**, 112, 1104-1113	2.9	18
105	Degradation of poly(D,L-lactic acid)-b-poly(ethylene glycol)-b-poly(D,L-lactic acid) copolymer by electron beam radiation. *Journal of Applied Polymer Science*, **2009**, 112, 2981-2987	2.9	15
104	Synergistic enhancement in tensile strength and ductility of ABS by using recycled PETG plastic. *Journal of Applied Polymer Science*, **2009**, 113, 1207-1215	2.9	5
103	Proliferation and function of MC3T3-E1 cells on freeze-cast hydroxyapatite scaffolds with oriented pore architectures. *Journal of Materials Science: Materials in Medicine*, **2009**, 20, 1159-65	4.5	17
102	Toughening of polyamide 11 via addition of crystallizable polyethylene derivatives. *Polymer International*, **2009**, 58, 538-544	3.3	10
101	Enhanced crystallization of the β-form of propylene–ethylene copolymer in its miscible blends with propylene homopolymer. *Polymer International*, **2009**, 58, 939-943	3.3	1
100	Preparation and properties of organo-modifier free PET/MMT nanocomposites via monomer intercalation and in situ polymerization. *Polymers for Advanced Technologies*, **2009**, 20, 916-925	3.2	20

99	Brittle□ductile transition in the PETG/PC blends by adding PTW elastomer. *Polymers for Advanced Technologies*, **2009**, 21, n/a-n/a	3.2	4
98	The effect of poly(vinyl alcohol) hydrolysis on the properties of its blends with nylon 6. *Polymer Engineering and Science*, **2009**, 49, 1553-1561	2.3	11
97	One-pot preparation of 3-miktoarm star terpolymers via □lick chemistry□and atom transfer nitroxide radical coupling reaction. *Journal of Polymer Science Part A*, **2009**, 47, 986-990	2.5	78
96	Phase behavior and properties of polyvinyl alcohol/gelatin blends with novel pH-dependence. *Journal of Polymer Science, Part B: Polymer Physics*, **2009**, 47, 239-247	2.6	9
95	Micro-FT-IR study of stretching a single filament: Polymorphic transition in nylon 6. *Journal of Polymer Science, Part B: Polymer Physics*, **2009**, 47, 898-902	2.6	12
94	Enhanced hydrogen bonding and its dramatic impact on deformation behaviors in a biomedical poly(carbonate urethane) with fluorinated chain extender. *Journal of Polymer Science, Part B: Polymer Physics*, **2009**, 47, 2198-2205	2.6	3
93	Accelerated Conversion of Silicate Bioactive Glass (13-93) to Hydroxyapatite in Aqueous Phosphate Solution Containing Polyanions. *Journal of the American Ceramic Society*, **2009**, 92, 2870-2876	3.8	15
92	Freeze-spray deposition of layered alumina/zirconia composites. *Materials Science and Engineering B: Solid-State Materials for Advanced Technology*, **2009**, 161, 120-124	3.1	7
91	In vitro cellular response to hydroxyapatite scaffolds with oriented pore architectures. *Materials Science and Engineering C*, **2009**, 29, 2147-2153	8.3	33
90	In vitro evaluation of borate-based bioactive glass scaffolds prepared by a polymer foam replication method. *Materials Science and Engineering C*, **2009**, 29, 2275-2281	8.3	131
89	Direct Formation of Nanohybrid Shish-Kebab in the Injection Molded Bar of Polyethylene/Multiwalled Carbon Nanotubes Composite. *Macromolecules*, **2009**, 42, 7016-7023	5.5	143
88	New Understanding in Tuning Toughness of □Polypropylene: The Role of □Nucleated Crystalline Morphology. *Macromolecules*, **2009**, 42, 9325-9331	5.5	241
87	Mechanical Property and Crystal Structure of Nylon6 Samples Prepared by Vibration Injection Molding. *Polymer-Plastics Technology and Engineering*, **2009**, 48, 251-256		6
86	Investigation on Tensile Deformation Behavior of Semi-Crystalline Polymers. *Journal of Macromolecular Science - Physics*, **2009**, 48, 799-811	1.4	17
85	Single-Electron-Transfer Nitroxide-Radical-Coupling Reaction at Ambient Temperature: Application in the Synthesis of Block Copolymers. *Macromolecules*, **2009**, 42, 4381-4383	5.5	67
84	Preparation of nearly monodisperse microcapsules with controlled morphology by in situpolymerization of a shell layer. *Journal of Materials Chemistry*, **2009**, 19, 6605		15
83	A New Strategy for Preparation of Graft Copolymers via □raft onto□by Atom Transfer Nitroxide Radical Coupling Chemistry: Preparation of Poly(4-glycidyloxy-2,2,6,6-tetramethylpiperidine-1-oxyl-co-ethylene oxide)-graft-polystyrene and Poly(tert-butyl acrylate). *Macromolecules*, **2008**, 41, 2381-2387	5.5	103
82	Freeze-cast hydroxyapatite scaffolds for bone tissue engineering applications. *Biomedical Materials (Bristol)*, **2008**, 3, 025005	3.5	65

81	In vitro study on different cell response to spherical hydroxyapatite nanoparticles. *Journal of Biomaterials Applications*, **2008**, 23, 37-50	2.9	22
80	One-Pot Synthesis of ABC Type Triblock Copolymers via a Combination of "Click Chemistry" and Atom Transfer Nitroxide Radical Coupling Chemistry. *Macromolecules*, **2008**, 41, 4127-4135	5.5	137
79	Growth and differentiation of osteoblastic cells on 13-93 bioactive glass fibers and scaffolds. *Acta Biomaterialia*, **2008**, 4, 387-96	10.8	98
78	Mechanical Property, Thermal Property and Crystal Structure of Isotactic Polypropylene Samples Prepared by Vibration Injection Molding. *Polymer Bulletin*, **2008**, 59, 855-864	2.4	14
77	CF4 plasma-induced grafting of fluoropolymer onto multi-walled carbon nanotube powder. *Applied Physics A: Materials Science and Processing*, **2008**, 90, 431-435	2.6	14
76	Effect of ethylene–acrylate–(maleic anhydride) terpolymer on mechanical properties and morphology of poly(ethylene terephthalate)/polyamide-6 blends. *Polymer International*, **2008**, 57, 139-148	3.3	10
75	One-pot synthesis of heterograft copolymers via "graft onto" by atom transfer nitroxide radical coupling chemistry. *Journal of Polymer Science Part A*, **2008**, 46, 6770-6779	2.5	50
74	Large tensile deformation behavior of oriented high-density polyethylene: A correlation between cavitation and lamellar fragmentation. *Journal of Polymer Science, Part B: Polymer Physics*, **2008**, 46, 1202-1206	2.6	16
73	Miscibility and isothermal crystallization behavior of polyamide 6/poly(vinyl alcohol) blend. *Journal of Polymer Science, Part B: Polymer Physics*, **2008**, 46, 1360-1368	2.6	18
72	Freeze casting of porous hydroxyapatite scaffolds. I. Processing and general microstructure. *Journal of Biomedical Materials Research - Part B Applied Biomaterials*, **2008**, 86, 125-35	3.5	132
71	Freeze casting of porous hydroxyapatite scaffolds. II. Sintering, microstructure, and mechanical behavior. *Journal of Biomedical Materials Research - Part B Applied Biomaterials*, **2008**, 86, 514-22	3.5	73
70	Real-time ultrasonic monitoring of the injection-molding process. *Journal of Applied Polymer Science*, **2008**, 107, 94-101	2.9	12
69	Enhanced compatibilization and orientation of polyvinyl alcohol/gelatin composite fibers using carbon nanotubes. *Journal of Applied Polymer Science*, **2008**, 107, 4070-4075	2.9	31
68	Mechanical and surface properties of polyurethane/fluorinated multi-walled carbon nanotubes composites. *Journal of Applied Polymer Science*, **2008**, 108, 2023-2028	2.9	29
67	Surface and bulk properties of poly(ether urethane)s/fluorinated phosphatidylcholine polyurethanes blends. *Journal of Applied Polymer Science*, **2008**, 108, 548-553	2.9	13
66	Electrical properties of poly(phenylene sulfide)/multiwalled carbon nanotube composites prepared by simple mixing and compression. *Journal of Applied Polymer Science*, **2008**, 109, 720-726	2.9	41
65	Toughening of recycled polystyrene used for TV backset. *Journal of Applied Polymer Science*, **2008**, 109, 3725-3732	2.9	12
64	Mechanical and in vitro performance of 13-93 bioactive glass scaffolds prepared by a polymer foam replication technique. *Acta Biomaterialia*, **2008**, 4, 1854-64	10.8	228

63	Early Stages of Calcium Phosphate Formation on Bioactive Borosilicate Glass in Aqueous Phosphate Solution. *Journal of the American Ceramic Society*, **2008**, 91, 1528-1533	3.8	14
62	Manipulation of Porous Bioceramic Microstructures by Freezing of Suspensions Containing Binary Mixtures of Solvents. *Journal of the American Ceramic Society*, **2008**, 91, 4137-4140	3.8	36
61	The β Phase of Isotactic Polypropylene in TPVs Based on PP/EPDM. *Journal of Macromolecular Science - Physics*, **2007**, 46, 841-852	1.4	10
60	Morphology, crystallization, and mechanical properties of poly(ethylene terephthalate)/multiwall carbon nanotube nanocomposites via in situ polymerization with very low content of multiwall carbon nanotubes. *Journal of Applied Polymer Science*, **2007**, 104, 3695-3701	2.9	27
59	Morphology and properties of PET/PA-6/SiO2 ternary composites. *Journal of Applied Polymer Science*, **2007**, 104, 2288-2296	2.9	25
58	Dispersion and mechanical properties of polypropylene/multiwall carbon nanotubes composites obtained via dynamic packing injection molding. *Journal of Applied Polymer Science*, **2007**, 104, 1880-1886	2.9	61
57	Hierarchy structure in injection molded polypropylene/ethylene–octane copolymer blends. *Journal of Applied Polymer Science*, **2007**, 105, 2252-2259	2.9	25
56	A new technique for preparing polyethylene/polystyrene blends with gradient structure. *Journal of Applied Polymer Science*, **2007**, 105, 2737-2743	2.9	9
55	Crystal form and orientation of isotactic polypropylene samples prepared by vibration-injection molding. *Journal of Applied Polymer Science*, **2007**, 106, 1456-1461	2.9	6
54	Manipulating the phase morphology in PPS/PA66 blends using clay. *Journal of Applied Polymer Science*, **2007**, 106, 2238-2250	2.9	39
53	Preparation and bioactive characteristics of a porous 13-93 glass, and fabrication into the articulating surface of a proximal tibia. *Journal of Biomedical Materials Research - Part A*, **2007**, 82, 222-9	5.4	85
52	Rheological Investigations in Understanding Shear-Enhanced Crystallization of Isotactic Poly(propylene)/Multi-Walled Carbon Nanotube Composites. *Macromolecular Rapid Communications*, **2007**, 28, 1257-1264	4.8	25
51	Double yielding in PA6: Effect of mold temperature and moisture content. *Journal of Polymer Science, Part B: Polymer Physics*, **2007**, 45, 1217-1225	2.6	8
50	In Vitro Bioactive Characteristics of Borate-Based Glasses with Controllable Degradation Behavior. *Journal of the American Ceramic Society*, **2007**, 90, 303-306	3.8	213
49	Conversion of Bioactive Borosilicate Glass to Multilayered Hydroxyapatite in Dilute Phosphate Solution. *Journal of the American Ceramic Society*, **2007**, 90, 070918221104004-???	3.8	2
48	Macroscopic Deformation and Failure of Ductile Polyethylene: The Dominant Role of Entangled Amorphous Network. *Polymer Journal*, **2007**, 39, 834-840	2.7	5
47	Preparation of bioactive glasses with controllable degradation behavior and their bioactive characterization. *Science Bulletin*, **2007**, 52, 272-276		17
46	Effect of alkylammonium salt on the dispersion and properties of Poly(p-phenylene sulfide)/clay nanocomposites via melt intercalation. *Journal of Applied Polymer Science*, **2006**, 99, 1724-1731	2.9	35

45	Synthesis of amphiphilic hyperbranched polyglycerol polymers and their application as template for size control of gold nanoparticles. *Journal of Applied Polymer Science*, **2006**, 101, 509-514	2.9	33
44	Synthesis of a thioether modified hyperbranched polyglycerol and its template effect on fabrication of CdS and CdSe nanoparticles. *Journal of Applied Polymer Science*, **2006**, 102, 3679-3684	2.9	15
43	Shear Enhanced Fiber Orientation and Adhesion in PP/Glass Fiber Composites. *Macromolecular Materials and Engineering*, **2006**, 291, 239-246	3.9	29
42	A New Technique for Preparing a Filled Type of Polymeric Gradient Material. *Macromolecular Materials and Engineering*, **2006**, 291, 1388-1396	3.9	12
41	Vibration-Induced Self-Reinforcement of Injection Molding Samples of High-Density Polyethylene. *Polymer-Plastics Technology and Engineering*, **2006**, 45, 601-606		1
40	Synthesis of Amphiphilic Macrocyclic Graft Copolymer Consisting of a Poly(ethylene oxide) Ring and Multi-Polystyrene Lateral Chains. *Macromolecules*, **2006**, 39, 5190-5193	5.5	118
39	Synthesis of poly(ethylene oxide) with pending 2,2,6,6-tetramethylpiperidine-1-oxyl groups and its further initiation of the grafting polymerization of styrene. *Journal of Polymer Science Part A*, **2006**, 44, 3836-3842	2.5	16
38	Synthesis and self-assembly morphologies of amphiphilic multiblock copolymers [poly(ethylene oxide)-b-polystyrene]n via trithiocarbonate-embedded PEO macro-RAFT agent. *Journal of Polymer Science Part A*, **2006**, 44, 6071-6082	2.5	44
37	Crystal morphology and transcrystallization mechanism of isotactic polypropylene induced by fibres: interface nucleation versus bulk nucleation. *Polymer International*, **2006**, 55, 441-448	3.3	17
36	Shear induced phase coarsening in Polystyrene/Styrene-ethylene-butylene-styrene blends. *Journal of Materials Science*, **2006**, 41, 5882-5889	4.3	
35	Effects of nano HAP on biological and structural properties of glass bone cement. *Journal of Biomedical Materials Research - Part A*, **2005**, 74, 156-63	5.4	36
34	Crystallization kinetics and tensile modulus of blends of metallocene short-chain branched polyethylene with conventional polyolefins. *Journal of Applied Polymer Science*, **2005**, 96, 1816-1823	2.9	5
33	Lamellar orientation in the blends of linear low density polyethylene and isotactic polypropylene induced by dynamic packing injection molding. *Journal of Materials Science*, **2005**, 40, 6409-6415	4.3	6
32	An observation of accelerated exfoliation in iPP/organoclay nanocomposite as induced by repeated shear during melt solidification. *Journal of Polymer Science, Part B: Polymer Physics*, **2005**, 43, 2005-2012	2.6	22
31	Synthesis of a thermoresponsive shell-crosslinked 3-layer onion-like polymer particle with a hyperbranched polyglycerol core. *Journal of Polymer Science Part A*, **2005**, 43, 5652-5660	2.5	37
30	Preparation and characterization of a novel bioactive bone cement: glass based nanoscale hydroxyapatite bone cement. *Journal of Materials Science: Materials in Medicine*, **2004**, 15, 1333-8	4.5	16
29	Crystal and phase morphology of dynamic-packing-injection-molded high-density polyethylene/ethylene vinyl acetate blends. *Journal of Polymer Science, Part B: Polymer Physics*, **2004**, 42, 1831-1840	2.6	12
28	Vibration-induced change of crystal structure in isotactic polypropylene and its improved mechanical properties. *Journal of Polymer Science, Part B: Polymer Physics*, **2004**, 42, 2385-2390	2.6	61

27	Toughening mechanism in polyoxymethylene/thermoplastic polyurethane blends. *Polymer International*, **2004**, 53, 1666-1671	3.3	30
26	Orientation effects on the deformation and fracture properties of high-density polyethylene/ethylene vinyl acetate (HDPE/EVA) blends. *Polymer International*, **2004**, 53, 1078-1086	3.3	13
25	Crystal morphology and crystallization kinetics of polyamide-11/clay nanocomposites. *Polymer International*, **2004**, 53, 1941-1949	3.3	37
24	Brittle-Ductile Transition and Toughening Mechanism in POM/TPU/CaCO3 Ternary Composites. *Macromolecular Materials and Engineering*, **2004**, 289, 41-48	3.9	55
23	Compatibilization of Immiscible Poly(propylene)/Polystyrene Blends Using Clay. *Macromolecular Rapid Communications*, **2003**, 24, 231-235	4.8	279
22	Shear-induced change of exfoliation and orientation in polypropylene/montmorillonite nanocomposites. *Journal of Polymer Science, Part B: Polymer Physics*, **2003**, 41, 1-10	2.6	60
21	Crystallization and morphology of metallocene polyethylenes with well-controlled molecular weight and branching content. *Polymer International*, **2003**, 52, 164-171	3.3	6
20	Super polyolefin blends achieved via dynamic packing injection molding: Tensile strength. *Journal of Applied Polymer Science*, **2002**, 85, 236-243	2.9	19
19	Studies on blends of high-density polyethylene and polypropylene produced by oscillating shear stress field. *Journal of Applied Polymer Science*, **2002**, 86, 58-63	2.9	22
18	Ductile-Brittle-transition phenomenon in polypropylene/ethylene-propylene-diene rubber blends obtained by dynamic packing injection molding: A new understanding of the rubber-toughening mechanism. *Journal of Polymer Science, Part B: Polymer Physics*, **2002**, 40, 2086-2097	2.6	37
17	Bulk Crystallization Kinetics of Metallocene Polyethylenes with Well-controlled Molecular Weight and Short Chain Branch Content. *Journal of Polymer Research*, **2002**, 9, 175-181	2.7	8
16	THE HIGH-PRESSURE CRYSTALLIZATION AND ANNEALING BEHAVIORS OF POLYETHYLENE TEREPHTHALATE OLIGOMER. *Journal of Macromolecular Science - Physics*, **2001**, 40, 1169-1178	1.4	5
15	Preparation and properties of polypropylene/montmorillonite layered nanocomposites. *Polymer International*, **2000**, 49, 1561-1564	3.3	107
14	Preparation and properties of polypropylene/montmorillonite layered nanocomposites **2000**, 49, 1561		1
13	Manipulating Matrix Crystallization and Impact Toughness of Polylactide/Elastomer Blends Via Tailoring Size and Packing Density of Stereocomplex Crystallites Formed at the Interface. *Macromolecular Materials and Engineering*,2100698	3.9	
12	A Structured Phase Change Material with Controllable Thermoconductive Highways Enables Unparalleled Electricity via Solar-Thermal-Electric Conversion. *Advanced Functional Materials*,2109255	15.6	6
11	Bioinspired Ceramic Microstructures Prepared by Freezing of Suspensions. *Ceramic Transactions*,19-25	0.1	
10	Bioactive Glass for Bone and Joint Repair. *Ceramic Transactions*,85-100	0.1	

9	Mixing of Racemic Poly(L-lactide)/Poly(D-lactide) Blend with Miscible Poly(D,L-lactide): Toward All Stereocomplex-type Polylactide with Strikingly Enhanced SC Crystallizability. *Chinese Journal of Polymer Science (English Edition)*,1	3.5	4
8	Improving high-temperature energy storage performance of PI dielectric capacitor films through boron nitride interlayer. *Advanced Composites and Hybrid Materials*,1	8.7	11
7	Design and Construction of Deformable Heaters: Materials, Structure, and Applications. *Advanced Electronic Materials*,2100452	6.4	7
6	Control of Polymer Properties by Entanglement: A Review. *Macromolecular Materials and Engineering*,2100536	3.9	7
5	Investigating the disentanglement of long chain branched polypropylene under different shear fields. *Journal of Applied Polymer Science*,51642	2.9	
4	Nanostructured Bioactive Glass Scaffolds for Bone Repair. *Ceramic Engineering and Science Proceedings*,211-225	0.1	6
3	Knittable Composite Fiber Allows Constant and Tremendous Self-Powering Based on the Transpiration-Driven Electrokinetic Effect. *Advanced Functional Materials*,2203666	15.6	0
2	A Universal Mechanochemistry Allows On-Demand Synthesis of Stable and Processable Liquid Metal Composites. *Small Methods*,2200246	12.8	3
1	Mussel-inspired polyurethane coating for bio-surface functionalization to enhance substrate adhesion and cell biocompatibility. *Journal of Biomaterials Science, Polymer Edition*,1-13	3.5	