

Jianming Zhang

List of Publications by Year in descending order

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173
papers

8,701
citations

57681

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docs citations

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times ranked

8821
citing authors

#	ARTICLE	IF	CITATIONS
1	Efficient transition metal dichalcogenides exfoliation by cellulose nanocrystals for ultrabroad-pH/temp stable aqueous dispersions and multi-responsive photonic films. <i>Chemical Engineering Journal</i> , 2022, 428, 132594.	6.6	16
2	Guiding cellular channels of artificial nanohybrid woods for anisotropic properties and solar-thermal evaporation. <i>Chemical Engineering Journal</i> , 2022, 428, 132060.	6.6	13
3	Ultrasonication pretreatment assisted rapid co-assembly of cellulose nanocrystal and metal ion for multifunctional application. <i>Carbohydrate Polymers</i> , 2022, 277, 118829.	5.1	6
4	Distinct liquid crystal self-assembly behavior of cellulose nanocrystals functionalized with ionic liquids. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2022, 632, 127790.	2.3	9
5	Melt-processed poly (L-lactic acid) / cellulose nanocrystals biocomposites for 3D printing: Improved melt processibility and inter-fuse adhesion. <i>Composites Science and Technology</i> , 2022, 218, 109135.	3.8	20
6	Biomass vs inorganic and plastic-based aerogels: Structural design, functional tailoring, resource-efficient applications and sustainability analysis. <i>Progress in Materials Science</i> , 2022, 125, 100915.	16.0	73
7	Facile fabrication of high nanofiller-content natural rubber nanocomposites for reversible plasticity shape memory polymers. <i>Composites Science and Technology</i> , 2022, 221, 109349.	3.8	8
8	Rational design of POSS containing low dielectric resin for SLA printing electronic circuit plate composites. <i>Composites Science and Technology</i> , 2022, 223, 109403.	3.8	32
9	Upgrading the Pyrolysis Carbon Black from Waste Tire by Hybridization with Cellulose. <i>Industrial & Engineering Chemistry Research</i> , 2022, 61, 6512-6520.	1.8	5
10	Rapidly regenerated CNC/TiO ₂ /MnO ₂ porous microspheres for high-efficient dye removal. <i>Carbohydrate Polymers</i> , 2022, 292, 119644.	5.1	10
11	Cellulose nanocrystal enhanced, high dielectric 3D printing composite resin for energy applications. <i>Composites Science and Technology</i> , 2022, 227, 109601.	3.8	19
12	Facile in-situ growth of metal-organic framework layer on carboxylated nanocellulose/chitosan aerogel spheres and their high-efficient adsorption and catalytic performance. <i>Applied Surface Science</i> , 2022, 599, 153974.	3.1	12
13	Effects of epoxy resin crosslinking networks on stereocomplexation of poly(L-lactic acid) Tj ETQq1 1 0.784314 rgBT ₃ Overlo 1.6		
14	Designs of conductive polymer composites with exceptional reproducibility of positive temperature coefficient effect: A review. <i>Journal of Applied Polymer Science</i> , 2021, 138, 49677.	1.3	26
15	Dependence of microstructure and properties of polypropylene/bromo-isobutylene-isoprene rubber thermoplastic vulcanizates on the molding process. <i>Journal of Applied Polymer Science</i> , 2021, 138, 49659.	1.3	3
16	Design and Fabrication of the Evolved Zeolitic Imidazolate Framework-Modified Polylactic Acid Nonwoven Fabric for Efficient Oil/Water Separation. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 14653-14661.	4.0	28
17	Natural Rubber Latex Reinforced by Graphene Oxide/Zwitterionic Chitin Nanocrystal Hybrids for High-Performance Elastomers without Sulfur Vulcanization. <i>ACS Sustainable Chemistry and Engineering</i> , 2021, 9, 6470-6478.	3.2	13
18	Effects of cellulose nanocrystals on the vulcanization of natural rubber/cellulose nanocrystals nanocomposite and corresponding regulating strategies. <i>Journal of Polymer Science</i> , 2021, 59, 2990-3000.	2.0	4

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19	Green fabrication of porous microspheres containing cellulose nanocrystal/MnO ₂ nanohybrid for efficient dye removal. <i>Carbohydrate Polymers</i> , 2021, 270, 118340.	5.1	17
20	Inserting insulating barriers into conductive particle channels: A new paradigm for fabricating polymer composites with high dielectric permittivity and low dielectric loss. <i>Composites Science and Technology</i> , 2021, 216, 109070.	3.8	27
21	High-yield, high-conductive graphene/nanocellulose hybrids prepared by Co-exfoliation of low-oxidized expanded graphite and microfibrillated cellulose. <i>Composites Part B: Engineering</i> , 2021, 225, 109250.	5.9	13
22	Polymer grafting on cellulose nanocrystals initiated by ceric ammonium nitrate: is it feasible under acid-free conditions?. <i>Green Chemistry</i> , 2021, 23, 8581-8590.	4.6	15
23	Carboxylation of Cellulose Nanocrystals for Reinforcing and Toughing Rubber Through Dual Cross-linking Networks. <i>ACS Applied Polymer Materials</i> , 2021, 3, 6120-6129.	2.0	12
24	Biomimetic Hybridization of Janus-like Graphene Oxide into Hierarchical Porous Hydrogels for Improved Mechanical Properties and Efficient Solar Desalination Devices. <i>ACS Nano</i> , 2021, 15, 19877-19887.	7.3	76
25	Modified ammonium persulfate oxidations for efficient preparation of carboxylated cellulose nanocrystals. <i>Carbohydrate Polymers</i> , 2020, 229, 115572.	5.1	57
26	One-pot preparation of zwitterionic graphene nanosheets with exceptional redispersibility and its application in pickering emulsions. <i>Carbon</i> , 2020, 157, 448-456.	5.4	9
27	Air-dried porous powder of polymethyl methacrylate modified cellulose nanocrystal nanocomposite and its diverse applications. <i>Composites Science and Technology</i> , 2020, 188, 107985.	3.8	22
28	Tough, Ultralight, and Water-Adhesive Graphene/Natural Rubber Latex Hybrid Aerogel with Sandwichlike Cell Wall and Biomimetic Rose-Petal-Like Surface. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 1378-1386.	4.0	34
29	Fabricating 3D printable BIIR/PP TPV via masterbatch and interfacial compatibilization. <i>Composites Part B: Engineering</i> , 2020, 199, 108220.	5.9	22
30	Ionic Liquids Grafted Cellulose Nanocrystals for High-Strength and Toughness PVA Nanocomposite. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 38796-38804.	4.0	30
31	Design and optimization of asymmetric supercapacitors assembled by <i>Platanus acerifolia</i> seeds and ZIF-67 as precursors. <i>Journal of Electroanalytical Chemistry</i> , 2020, 878, 114668.	1.9	1
32	Facile fabrication of carboxylated cellulose nanocrystal@MnO ₂ beads for high-efficiency removal of methylene blue. <i>Cellulose</i> , 2020, 27, 7053-7066.	2.4	17
33	Origin of vacuum-assisted chiral self-assembly of cellulose nanocrystals. <i>Carbohydrate Polymers</i> , 2020, 245, 116459.	5.1	30
34	In-situ preparation of hollow cellulose nanocrystals/zeolitic imidazolate framework hybrid microspheres derived from Pickering emulsion. <i>Journal of Colloid and Interface Science</i> , 2020, 572, 160-169.	5.0	27
35	Electric Field-Induced Assembly and Alignment of Silver-Coated Cellulose for Polymer Composite Films with Enhanced Dielectric Permittivity and Anisotropic Light Transmission. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 24242-24249.	4.0	41
36	Janus-like asymmetrically oxidized graphene: Facile synthesis and distinct liquid crystal alignment at the oil/water interface. <i>Carbon</i> , 2020, 161, 316-322.	5.4	11

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37	Natural rubber bio-nanocomposites reinforced with self-assembled chitin nanofibers from aqueous KOH/urea solution. <i>Carbohydrate Polymers</i> , 2019, 225, 115230.	5.1	33
38	Synergistic effect of conductive carbon black and silica particles for improving the pyroresistive properties of high density polyethylene composites. <i>Composites Part B: Engineering</i> , 2019, 178, 107465.	5.9	29
39	Flash DSC study on the annealing behaviors of poly(L-lactide acid) crystallized in the low temperature region. <i>Polymer</i> , 2019, 174, 123-129.	1.8	14
40	Investigation of crystallization behavior of asymmetric PLLA/PDLA blend using Raman Imaging measurement. <i>Polymer</i> , 2019, 172, 1-6.	1.8	32
41	Recent advances in vacuum assisted self-assembly of cellulose nanocrystals. <i>Current Opinion in Solid State and Materials Science</i> , 2019, 23, 142-148.	5.6	19
42	Small- and wide-angle X-ray scattering study on β -to- α transition of Poly(L-lactide acid) crystals. <i>Polymer</i> , 2019, 167, 122-129.	1.8	17
43	Anti-blooming effect of graphene oxide on natural rubber latex composite films. <i>Composites Science and Technology</i> , 2019, 174, 142-148.	3.8	12
44	Study on thermal behavior of regenerated micro-crystalline cellulose containing slight amount of water induced by hydrogen-bonds transformation. <i>Polymer</i> , 2019, 185, 121989.	1.8	11
45	Effect of surface chemistry on the dispersion and pH-responsiveness of chitin nanofibers/ natural rubber latex nanocomposites. <i>Carbohydrate Polymers</i> , 2019, 207, 555-562.	5.1	16
46	Ultralight, Superelastic, and Fatigue-Resistant Graphene Aerogel Templated by Graphene Oxide Liquid Crystal Stabilized Air Bubbles. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 1303-1310.	4.0	68
47	Ultrafine and carboxylated β -chitin nanofibers prepared from squid pen and its transparent hydrogels. <i>Carbohydrate Polymers</i> , 2019, 211, 118-123.	5.1	27
48	Simultaneous improvement of thermal stability and redispersibility of cellulose nanocrystals by using ionic liquids. <i>Carbohydrate Polymers</i> , 2018, 186, 252-259.	5.1	31
49	One-pot synthesis of graphene/chitin nanofibers hybrids and their remarkable reinforcement on Poly(vinyl alcohol). <i>Carbohydrate Polymers</i> , 2018, 194, 146-153.	5.1	26
50	Hierarchically Porous Graphene/ZIF-8 Hybrid Aerogel: Preparation, CO ₂ Uptake Capacity, and Mechanical Property. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 827-834.	4.0	70
51	Flexible and Tailorable Alkylviologen/Cellulose Nanocrystals Composite Films for Sustainable Applications in Electrochromic Devices. <i>ChemElectroChem</i> , 2018, 5, 1407-1414.	1.7	10
52	Nitrogen-Enriched Carbon Nanofiber Aerogels Derived from Marine Chitin for Energy Storage and Environmental Remediation. <i>ACS Sustainable Chemistry and Engineering</i> , 2018, 6, 177-185.	3.2	83
53	Green Fabrication of Regenerated Cellulose/Graphene Films with Simultaneous Improvement of Strength and Toughness by Tailoring the Nanofiber Diameter. <i>ACS Sustainable Chemistry and Engineering</i> , 2018, 6, 1271-1278.	3.2	39
54	Influence of Branched Polyester Chains on the Emission Behavior of Dipyradamole Molecule and Its Biosensing Ability. <i>ACS Omega</i> , 2018, 3, 15530-15537.	1.6	4

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55	Study on the impact of graphene and cellulose nanocrystal on the friction and wear properties of SBR/NR composites under dry sliding conditions. <i>Wear</i> , 2018, 414-415, 43-49.	1.5	22
56	Study on phase transition behavior and lamellar orientation of uniaxially stretched poly(L-lactide) / cellulose nanocrystal-graft-poly(D-lactide) blend. <i>Polymer</i> , 2018, 150, 184-193.	1.8	8
57	Rotation-assisted formation of poly(3-butylthiophene) nanowires: Morphology, microstructure, and electrical property. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2018, 56, 1027-1034.	2.4	0
58	One-Pot Preparation of Carboxylated Cellulose Nanocrystals and Their Liquid Crystalline Behaviors. <i>ACS Sustainable Chemistry and Engineering</i> , 2018, 6, 12403-12410.	3.2	70
59	Green and facile surface modification of cellulose nanocrystal as the route to produce poly(lactic acid) nanocomposites. <i>Journal of Applied Polymer Science</i> , 2018, 141, 4607-4614.	3.1	68
60	Modifying Mechanical, Optical Properties and Thermal Processability of Iridescent Cellulose Nanocrystal Films Using Ionic Liquid. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 3085-3092.	4.0	97
61	Distribution of Polymorphic Crystals in the Ring-Banded Spherulites of Poly(butylene adipate) Studied Using High-Resolution Raman Imaging. <i>Macromolecules</i> , 2017, 50, 3377-3387.	2.2	18
62	Phase Transition Mechanism of Poly(L-lactic acid) among the \hat{I}_1 , \hat{I}' , and \hat{I}_2 Forms on the Basis of the Reinvestigated Crystal Structure of the \hat{I}_2 Form. <i>Macromolecules</i> , 2017, 50, 3285-3300.	2.2	53
63	Temperature-Dependent Recrystallization Morphologies of Carbon-Coated Isotactic Polypropylene Highly Oriented Thin Films. <i>Macromolecules</i> , 2017, 50, 3582-3589.	2.2	24
64	Improved processability and performance of biomedical devices with poly(lactic acid)/poly(ethylene glycol) nanocomposites. <i>Journal of Applied Polymer Science</i> , 2017, 141, 4607-4614.	2.3	15
65	Main chain copolysiloxanes with terthiophene and perylene diimide units: synthesis, characterization and electrical memory. <i>Polymer Chemistry</i> , 2017, 8, 3515-3522.	1.9	6
66	Graphene/cellulose nanocrystals hybrid aerogel with tunable mechanical strength and hydrophilicity fabricated by ambient pressure drying technique. <i>RSC Advances</i> , 2017, 7, 16467-16473.	1.7	35
67	Enhanced Toughness and Thermal Stability of Cellulose Nanocrystal Iridescent Films by Alkali Treatment. <i>ACS Sustainable Chemistry and Engineering</i> , 2017, 5, 8951-8958.	3.2	85
68	High-yield preparation of a zwitterionically charged chitin nanofiber and its application in a doubly pH-responsive Pickering emulsion. <i>Green Chemistry</i> , 2017, 19, 3665-3670.	4.6	78
69	Diameter and thermal treatment dependent structure and optical properties of poly(3-hexylthiophene) nanotubes. <i>Journal of Materials Chemistry C</i> , 2017, 5, 8315-8322.	2.7	12
70	Multiple Chain Packing and Phase Composition in Regioregular Poly(3-butylthiophene) Films. <i>Macromolecules</i> , 2016, 49, 9493-9506.	2.2	17
71	ZIF-8@Polyvinylpyrrolidone Nanocomposites Based N-Doped Porous Carbon for Highly Efficient Oxygen Reduction Reaction in Alkaline Solution. <i>Journal of the Electrochemical Society</i> , 2016, 163, H459-H464.	1.3	19
72	Dependence of poly(3-hydroxybutyrate) crystal modifications on film thickness as revealed by reflection-absorption infrared spectroscopy. <i>Vibrational Spectroscopy</i> , 2016, 86, 35-39.	1.2	4

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73	Iridescent graphene/cellulose nanocrystal film with water response and highly electrical conductivity. RSC Advances, 2016, 6, 93673-93679.	1.7	24
74	Higher-order structure formation of a poly(3-hydroxybutyrate) film during solvent evaporation. RSC Advances, 2016, 6, 95021-95031.	1.7	3
75	Controllable lateral contraction and mechanical performance of chemically reduced graphene oxide paper. Carbon, 2016, 107, 46-55.	5.4	17
76	Graphene oxide/cellulose composite films with enhanced UV-shielding and mechanical properties prepared in NaOH/urea aqueous solution. RSC Advances, 2016, 6, 73358-73364.	1.7	35
77	Role of Dicumyl Peroxide on Toughening PLLA via Dynamic Vulcanization. Industrial & Engineering Chemistry Research, 2016, 55, 9907-9914.	1.8	14
78	Effect of morphology designing on the structure and properties of PLA/PEG/ABS blends. Colloid and Polymer Science, 2016, 294, 1779-1787.	1.0	14
79	Synthesis and characterization of cellulose nanocrystal-graft-poly(D-lactide) and its nanocomposite with poly(L-lactide). Polymer, 2016, 103, 365-375.	1.8	55
80	Preparation of poly(3-butylthiophene) form II crystal by low-temperature aging and a proposal for form II-to-form I transition mechanism. Polymer, 2016, 105, 88-95.	1.8	7
81	Pulsed Electric Fields on Poly(L-lactic acid) Melt Electrospun Fibers. Industrial & Engineering Chemistry Research, 2016, 55, 7116-7123.	1.8	25
82	Hierarchically Porous N-doped Carbon Derived from ZIF-8 Nanocomposites for Electrochemical Applications. Electrochimica Acta, 2016, 196, 699-707.	2.6	182
83	Study on H ₂ Interaction in H- and J-Aggregates of Poly(3-hexylthiophene) Nanowires by Multiple Techniques. Journal of Physical Chemistry B, 2015, 119, 8446-8456.	1.2	43
84	Cell Morphology and Improved Heat Resistance of Microcellular Poly(L-lactide) Foam via Introducing Stereocomplex Crystallites of PLA. Industrial & Engineering Chemistry Research, 2015, 54, 2476-2488.	1.8	59
85	Effect of a small amount of sulfur on the physical and mechanical properties of peroxide-cured fully saturated HNBR compounds. Journal of Applied Polymer Science, 2015, 132, .	1.3	8
86	Effect of mold temperature on the structures and mechanical properties of micro-injection molded polypropylene. Materials and Design, 2015, 88, 245-251.	3.3	37
87	Effect of cellulose solubility on the thermal and mechanical properties of regenerated cellulose/graphene nanocomposites based on ionic liquid 1-allyl-3-methylimidazolium chloride. RSC Advances, 2015, 5, 76302-76308.	1.7	14
88	Ambient pressure dried graphene aerogels with superelasticity and multifunctionality. Journal of Materials Chemistry A, 2015, 3, 19268-19272.	5.2	125
89	Low-cost, flexible graphene/polyaniline nanocomposite paper as binder-free high-performance supercapacitor electrode. Functional Materials Letters, 2014, 07, 1440010.	0.7	5
90	One dimensional main-chain crystallization kinetics of poly(3-octylthiophenes) investigated by infrared spectroscopy. Vibrational Spectroscopy, 2014, 71, 1-5.	1.2	2

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91	Effect of a small amount of poly(3-hydroxybutyrate) on the crystallization behavior of poly(L-lactic acid) in their immiscible and miscible blends during physical aging. <i>Polymer International</i> , 2014, 63, 1270-1277.	1.6	6
92	Solvent-Induced Crystallization Behaviors of PLLA Ultrathin Films Investigated by RAIR Spectroscopy and AFM Measurements. <i>Journal of Physical Chemistry B</i> , 2014, 118, 12652-12659.	1.2	23
93	A green and facile approach for the synthesis of water-dispersible reduced graphene oxide based on ionic liquids. <i>Chemical Communications</i> , 2014, 50, 2889-2892.	2.2	26
94	Tuning the Iridescence of Chiral Nematic Cellulose Nanocrystal Films with a Vacuum-Assisted Self-Assembly Technique. <i>Biomacromolecules</i> , 2014, 15, 4343-4350.	2.6	102
95	Chemical Structure and Interlayer Distance Correlation of Graphite Oxide in the Heating Process as Revealed by in Situ Fourier Transform Infrared Spectroscopy and Wide-Angle X-ray Diffraction Techniques. <i>Applied Spectroscopy</i> , 2014, 68, 570-576.	1.2	5
96	Fabrication of natural rubber nanocomposites with high graphene contents via vacuum-assisted self-assembly. <i>RSC Advances</i> , 2014, 4, 27687-27690.	1.7	38
97	The effect of poly(vinyl phenol) sublayer on the crystallization and melting behavior of poly(3-hydroxybutyrate) via hydrogen bonds. <i>Polymer</i> , 2014, 55, 5821-5828.	1.8	10
98	Tunable self-assembly structure of graphene oxide/cellulose nanocrystal hybrid films fabricated by vacuum filtration technique. <i>RSC Advances</i> , 2014, 4, 39301-39304.	1.7	35
99	Exfoliation and reduction of graphene oxide at low temperature and its resulting electrocapacitive properties. <i>Journal of Materials Science</i> , 2014, 49, 4989-4997.	1.7	16
100	Influence of crystal polymorphism on crystallinity calculation of poly(L-lactic acid) by infrared spectroscopy. <i>Vibrational Spectroscopy</i> , 2014, 70, 1-5.	1.2	23
101	Cold-crystallization behavior of poly(L-lactide)/ACR blend films investigated by in situ FTIR spectroscopy. <i>Journal of Applied Polymer Science</i> , 2013, 127, 4617-4623.	1.3	6
102	Effect of thermal annealing on the microstructure of P3HT thin film investigated by RAIR spectroscopy. <i>Vibrational Spectroscopy</i> , 2013, 68, 40-44.	1.2	17
103	Solvent-free preparation of polylactic acid fibers by melt electrospinning using umbrella-like spray head and alleviation of problematic thermal degradation. <i>Journal of the Serbian Chemical Society</i> , 2012, 77, 1071-1082.	0.4	30
104	Phase transition behavior of PLLA ultrathin film studied by grazing angle reflection absorption infrared spectroscopy. <i>Vibrational Spectroscopy</i> , 2012, 63, 338-341.	1.2	6
105	Tetrachloroperylene diimide functionalized reduced graphene oxide sheets and their Raman behavior by current sensing atomic force microscopy. <i>Journal of Materials Chemistry</i> , 2012, 22, 18839.	6.7	11
106	Charge and Pressure-Tuned Surface Patterning of Surfactant-Encapsulated Polyoxometalate Complexes at the Air-Water Interface. <i>Langmuir</i> , 2012, 28, 14624-14632.	1.6	18
107	Study on the Molecular Mobility in the Polyamide/SrFeO Composites by In Situ Infrared Spectroscopy. <i>Journal of Macromolecular Science - Physics</i> , 2012, 51, 1883-1891.	0.4	0
108	Spectroscopic analysis on cold drawing-induced PLLA mesophase. <i>Polymer</i> , 2012, 53, 4922-4926.	1.8	36

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109	Mapping mechanical properties of organic thin films by force-modulation microscopy in aqueous media. <i>Beilstein Journal of Nanotechnology</i> , 2012, 3, 464-474.	1.5	6
110	Synthesis of Dibenzothiophene-Containing Ladder Polysilsesquioxane as a Blue Phosphorescent Host Material. <i>Chemistry - A European Journal</i> , 2012, 18, 4115-4123.	1.7	37
111	Synthesis and Fluorescent Property of Pyrazoline Derivatives. <i>Chinese Journal of Chemistry</i> , 2012, 30, 1345-1350.	2.6	11
112	Mechanical properties and crystallization of Poly(L-lactide) films with several percents of ACR nanoparticles. <i>Materials Letters</i> , 2012, 83, 148-150.	1.3	9
113	Carbon nanotubes suppressed crystallization kinetics in PLLA thin film as revealed by in situ RAIR technique. <i>Vibrational Spectroscopy</i> , 2012, 61, 214-218.	1.2	5
114	Manipulating the Motion of Gold Aggregates Using Stimulus-Responsive Patterned Polymer Brushes as a Motor. <i>Advanced Functional Materials</i> , 2012, 22, 429-434.	7.8	17
115	Lamellar Orientation and Crystallization Dynamics of Poly (L-Lactic Acid) Thin Films Investigated by In-Situ Reflection Absorption Infrared Spectroscopy. <i>Journal of Physical Chemistry B</i> , 2011, 115, 11548-11553.	1.2	11
116	Effects of Intermolecular Hydrogen Bondings on Isothermal Crystallization Behavior of Polymer Blends of Cellulose Acetate Butyrate and Poly(3-hydroxybutyrate). <i>Macromolecules</i> , 2011, 44, 3467-3477.	2.2	33
117	Study on the Phase Transition Behavior of Poly(butylene adipate) in its Blends with Poly(vinyl phenol). <i>Journal of Physical Chemistry B</i> , 2011, 115, 1950-1957.	1.2	41
118	Effect of Solvent Evaporation Rate on Order-to-Disorder Phase Transition Behavior of Regioregular Poly(3-butylthiophene). <i>Macromolecules</i> , 2011, 44, 6128-6135.	2.2	30
119	Polymorphism and Structural Transition around 54 Å°C in Regioregular Poly(3-hexylthiophene) with High Crystallinity As Revealed by Infrared Spectroscopy. <i>Macromolecules</i> , 2011, 44, 9341-9350.	2.2	97
120	Physical Aging Enhanced Mesomorphic Structure in Melt-Quenched Poly(L-lactic acid). <i>Journal of Physical Chemistry B</i> , 2011, 115, 13835-13841.	1.2	79
121	Isothermal crystallization behavior of water in poly(vinyl methyl ether) aqueous solution investigated by infrared and two-dimensional infrared correlation spectroscopy. <i>Vibrational Spectroscopy</i> , 2011, , .	1.2	2
122	Intermolecular interactions and crystallization behaviors of biodegradable polymer blends between poly (3-hydroxybutyrate) and cellulose acetate butyrate studied by DSC, FT-IR, and WAXD. <i>Polymer</i> , 2011, 52, 461-471.	1.8	51
123	Stimulus-responsive polymer brushes on surfaces: Transduction mechanisms and applications. <i>Progress in Polymer Science</i> , 2010, 35, 94-112.	11.8	348
124	Surfactant induced orientation of non-centrosymmetric polyoxometalate clusters in Langmuir-Blodgett films. <i>Thin Solid Films</i> , 2010, 519, 417-422.	0.8	6
125	Class transition and disorder-to-order phase transition behavior of poly(L-lactic acid) revealed by infrared spectroscopy. <i>Vibrational Spectroscopy</i> , 2010, 53, 307-310.	1.2	35
126	PLLA Mesophase and Its Phase Transition Behavior in the PLLA-PEG-PLLA Copolymer As Revealed by Infrared Spectroscopy. <i>Macromolecules</i> , 2010, 43, 4240-4246.	2.2	111

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127	Melting Behavior of Epitaxially Crystallized Polycaprolactone on a Highly Oriented Polyethylene Thin Film Investigated by <i>in Situ</i> Synchrotron SAXS and Polarized Infrared Spectroscopy. <i>Macromolecules</i> , 2010, 43, 5315-5322.	2.2	20
128	A Study on the Epitaxial Ordering Process of the Polycaprolactone on the Highly Oriented Polyethylene Substrate. <i>Macromolecules</i> , 2010, 43, 362-366.	2.2	50
129	Fabrication of Micropatterned Stimulus-Responsive Polymer-Brush "Anemone"™. <i>Advanced Materials</i> , 2009, 21, 1825-1829.	11.1	35
130	Crystallization, spherulite growth, and structure of blends of crystalline and amorphous poly(lactide)s. <i>Polymer</i> , 2009, 50, 4007-4017.	1.8	110
131	Molecular Orientation and Field-effect Transistors of a Rigid Rod Conjugated Polymer Thin Films. <i>Journal of Physical Chemistry B</i> , 2009, 113, 4176-4180.	1.2	34
132	Crystallization behavior of poly(l-lactic acid) affected by the addition of a small amount of poly(3-hydroxybutyrate). <i>Polymer</i> , 2008, 49, 4204-4210.	1.8	73
133	Disorder-to-Order Phase Transition and Multiple Melting Behavior of Poly(l-lactide) Investigated by Simultaneous Measurements of WAXD and DSC. <i>Macromolecules</i> , 2008, 41, 1352-1357.	2.2	737
134	Novel evaluation method of neutron reflectivity data applied to stimulus-responsive polymer brushes. <i>Soft Matter</i> , 2008, 4, 500.	1.2	21
135	Stereocomplexation and Monolayer Morphologies of a Stereoregular Poly(methyl methacrylate) Mixture Formed at the Air/Water Surface. <i>Journal of Physical Chemistry C</i> , 2007, 111, 6488-6494.	1.5	10
136	Investigation of Phase Transitional Behavior of Poly(l-lactide)/Poly(d-lactide) Blend Used to Prepare the Highly-Oriented Stereocomplex. <i>Macromolecules</i> , 2007, 40, 1049-1054.	2.2	217
137	Detailed interpretation of the results of two-dimensional correlation analysis of infrared spectra obtained during isothermal crystallization of isotactic polystyrene and poly(3-hydroxybutyrate). <i>Vibrational Spectroscopy</i> , 2007, 44, 50-55.	1.2	7
138	d-Poly(lactide) and LHRH decapeptide stereointeractions investigated by vibrational spectroscopy. <i>European Polymer Journal</i> , 2007, 43, 3016-3027.	2.6	8
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