Jong K Keum

List of Publications by Year
in descending order

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146	6,876	53660 45	66788 78
papers	citations	h-index	g-index

150	150	150	11363
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Modular Approach for the Synthesis of Bottlebrush Diblock Copolymers from Poly(Glycidyl) Tj ETQq1 1 0.784314 rgBT /Overlock 10 T 5 488-497.	2.2	1
2	Reduced Graphene Oxide Aerogels with Functionalization-Mediated Disordered Stacking for Sodium-Ion Batteries. Batteries, 2022, 8, 12.	2.1	5
3	Electroprecipitation Mechanism Enabling Silica and Hardness Removal through Aluminum-Based Electrocoagulation. ACS ES&T Engineering, 2022, 2, 1200-1210.	3.7	8
4	Upcycling of semicrystalline polymers by compatibilization: mechanism and location of compatibilizers. RSC Advances, 2022, 12, 10886-10894.	1.7	10
5	The influence of temperature on the strain-hardening behavior of Fe-22/25/28Mn-3Al-3Si TRIP/TWIP steels. Materialia, 2022, 22, 101425.	1.3	6
6	Ionic Conductivity Enhancement of Polymer Electrolytes by Directed Crystallization. ACS Macro Letters, 2022, 11, 595-602.	2.3	16
7	Quantum Disordered State of Magnetic Charges in Nanoengineered Honeycomb Lattice. Advanced Science, 2021, 8, 2004103.	5.6	3
8	Strain in Metal Halide Perovskites: The Critical Role of A-Site Cation. ACS Applied Energy Materials, 2021, 4, 2068-2072.	2.5	14
9	Influence of Heterointerfaces on the Kinetics of Oxygen Surface Exchange on Epitaxial La1.85Sr0.15CuO4 Thin Films. Applied Sciences (Switzerland), 2021, 11, 3778.	1.3	7
10	Phase segregation mechanisms of small moleculeâ€polymer blends unraveled by varying polymer chain architecture. SmartMat, 2021, 2, 367-377.	6.4	18
11	Unraveling the Role of Neutral Units for Single-Ion Conducting Polymer Electrolytes. ACS Applied Materials & Interfaces, 2021, 13, 51525-51534.	4.0	18
12	Multiscale Structural Characterization of a Smectic Liquid Crystalline Elastomer upon Mechanical Deformation Using Neutron Scattering. Macromolecules, 2021, 54, 10574-10582.	2.2	3
13	Corrosion Prevention of Additively Manufactured Aluminum Packing Devices Developed for Process Intensification of CO₂ Capture by Aqueous Amines. Industrial & Engineering Chemistry Research, 2021, 60, 17036-17044.	1.8	5
14	Preparation and investigation of Pd doped Cu catalysts for selective hydrogenation of acetylene. Frontiers of Chemical Science and Engineering, 2020, 14, 522-533.	2.3	12
15	Liquid crystalline networks based on photo-initiated thiolâ€“ene click chemistry. Soft Matter, 2020, 16, 1760-1770.	1.2	12
16	Method To Synthesize Micronized Spherical Carbon Particles from Lignin. Industrial & Engineering Chemistry Research, 2020, 59, 9-17.	1.8	6
17	Unusual electrical conductivity driven by localized stoichiometry modification at vertical epitaxial interfaces. Materials Horizons, 2020, 7, 3217-3225.	6.4	5
18	Effects of graphene surface functionalities towards controlled reinforcement of a lignin based renewable thermoplastic rubber. Composites Science and Technology, 2020, 199, 108352.	3.8	10

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19	Structural Insights into Low and High Recalcitrance Natural Poplar Variants Using Neutron and X-ray Scattering. ACS Sustainable Chemistry and Engineering, 2020, 8, 13838-13849.	3.2	7
20	Styrene-Based Elastomer Composites with Functionalized Graphene Oxide and Silica Nanofiber Fillers: Mechanical and Thermal Conductivity Properties. Nanomaterials, 2020, 10, 1682.	1.9	14
21	Effect of Hydration on the Molecular Dynamics of Hydroxychloroquine Sulfate. ACS Omega, 2020, 5, 21231-21240.	1.6	8
22	Symmetry degeneration and room temperature ferroelectricity in ion-irradiated SrTiO₃. Journal of Physics Condensed Matter, 2020, 32, 355405.	0.7	6
23	Synthesis and catalytic performance of polydopamine supported metal nanoparticles. Scientific Reports, 2020, 10, 10416.	1.6	27
24	Strainâ€“Chemical Gradient and Polarization in Metal Halide Perovskites. Advanced Electronic Materials, 2020, 6, 1901235.	2.6	19
25	Understanding Functionalization of Titanium Carbide (MXene) with Quinones and Their Pseudocapacitance. ACS Applied Energy Materials, 2020, 3, 4127-4133.	2.5	29
26	Fractionation of Lignin for Selective Shape Memory Effects at Elevated Temperatures. Materials, 2020, 13, 1940.	1.3	3
27	Study of the Segmental Dynamics and Ion Transport of Solid Polymer Electrolytes in the Semi-crystalline State. Frontiers in Chemistry, 2020, 8, 592604.	1.8	8
28	Continuous-Flow Centrifugal Solid/Liquid Separation for the Recovery of Rare-Earth Elements Containing Particles from Phosphoric Acid Sludge. Industrial & Engineering Chemistry Research, 2020, 59, 21901-21913.	1.8	10
29	Damage-Free Nanoscale Isotopic Analysis of Biological Materials with Vibrational Electron Spectroscopy. Microscopy and Microanalysis, 2019, 25, 1088-1089.	0.2	0
30	Uniform Permutation of Quasi-2D Perovskites by Vacuum Poling for Efficient, High-Fill-Factor Solar Cells. Joule, 2019, 3, 3061-3071.	11.7	177
31	Lightâ€Ferroic Interaction in Hybrid Organicâ€“Inorganic Perovskites. Advanced Optical Materials, 2019, 7, 1901451.	3.6	24
32	Transparent superhydrophilic and superhydrophobic nanoparticle textured coatings: comparative study of anti-soiling performance. Nanoscale Advances, 2019, 1, 1249-1260.	2.2	37
33	Identification of site-specific isotopic labels by vibrational spectroscopy in the electron microscope. Science, 2019, 363, 525-528.	6.0	124
34	Alternating crystalline lamellar structures from thermodynamically miscible poly(Îµ-caprolactone) H/D blends. Polymer, 2019, 175, 320-328.	1.8	5
35	A fundamental understanding of whole biomass dissolution in ionic liquid for regeneration of fiber by solution-spinning. Green Chemistry, 2019, 21, 4354-4367.	4.6	22
36	Strain engineering 4H-SiC with ion beams. Applied Physics Letters, 2019, 114, .	1.5	11

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37	Efficient Solarâ€Thermal Distillation Desalination Device by Light Absorptive Carbon Composite Porous Foam. Global Challenges, 2019, 3, 1900003.	1.8	16
38	An Ionomeric Renewable Thermoplastic from Ligninâ€Reinforced Rubber. Macromolecular Rapid Communications, 2019, 40, e1900059.	2.0	10
39	Isotope Effects on the Crystallization Kinetics of Selectively Deuterated Poly(Îµâ€Caprolactone). Journal of Polymer Science, Part B: Polymer Physics, 2019, 57, 771-779.	2.4	9
40	Effect of electronic energy dissipation on strain relaxation in irradiated concentrated solid solution alloys. Current Opinion in Solid State and Materials Science, 2019, 23, 107-115.	5.6	25
41	Cation Molecular Structure Affects Mobility and Transport of Electrolytes in Porous Carbons. Journal of the Electrochemical Society, 2019, 166, A507-A514.	1.3	12
42	Amphiphilic Bottlebrush Block Copolymers: Analysis of Aqueous Self-Assembly by Small-Angle Neutron Scattering and Surface Tension Measurements. Macromolecules, 2019, 52, 465-476.	2.2	56
43	Side chain dynamics in semiconducting polymer MEHâ€PPV. Journal of Applied Polymer Science, 2019, 136, 47394.	1.3	3
44	In Situ X-Ray Studies of Crystallization Kinetics and Ordering in Functional Organic and Hybrid Materials. , 2018, , 33-60.		0
45	Realâ€Time Observation of Orderâ€Disorder Transformation of Organic Cations Induced Phase Transition and Anomalous Photoluminescence in Hybrid Perovskites. Advanced Materials, 2018, 30, e1705801.	11.1	60
46	Exploring Anomalous Polarization Dynamics in Organometallic Halide Perovskites. Advanced Materials, 2018, 30, 1705298.	11.1	44
47	Oneâ€Step Synthesis of Nb₂O₅/C/Nb₂C (MXene) Composites and Their Use as Photocatalysts for Hydrogen Evolution. ChemSusChem, 2018, 11, 688-699.	3.6	315
48	Enhancing the Efficiency of Organic Photovoltaics by a Photoactive Molecular Mediator. Solar Rrl, 2018, 2, 1700208.	3.1	5
49	Humidity Exposure Enhances Microscopic Mobility in a Room-Temperature Ionic Liquid in MXene. Journal of Physical Chemistry C, 2018, 122, 27561-27566.	1.5	20
50	Selectively Deuterated Poly(Îµ-caprolactone)s: Synthesis and Isotope Effects on the Crystal Structures and Properties. Macromolecules, 2018, 51, 9393-9404.	2.2	20
51	A path for lignin valorization via additive manufacturing of high-performance sustainable composites with enhanced 3D printability. Science Advances, 2018, 4, eaat4967.	4.7	131
52	Rheology, crystal structure, and nanomechanical properties in large-scale additive manufacturing of polyphenylene sulfide/carbon fiber composites. Composites Science and Technology, 2018, 168, 263-271.	3.8	27
53	Dissimilar Materials Joining of Carbon Fiber Polymer to Dual Phase 980 by Friction Bit Joining, Adhesive Bonding, and Weldbonding. Metals, 2018, 8, 865.	1.0	11
54	Revealing the Structural Stability and Na-Ion Mobility of 3D Superionic Conductor Na₃SbS₄ at Extremely Low Temperatures. ACS Applied Energy Materials, 2018, 1, 7028-7034.	2.5	20

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55	Rigid Oligomer from Lignin in Designing of Tough, Self-Healing Elastomers. ACS Macro Letters, 2018, 7, 1328-1332.	2.3	54
56	Organohalide Perovskites: Real-Time Observation of Order-Disorder Transformation of Organic Cations Induced Phase Transition and Anomalous Photoluminescence in Hybrid Perovskites (Adv.) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50	11.1	
57	Origin of dielectric relaxor behavior in PVDF-based copolymer and terpolymer films. AIP Advances, 2018, 8, .	0.6	15
58	Amending the Structure of Renewable Carbon from Biorefinery Waste-Streams for Energy Storage Applications. Scientific Reports, 2018, 8, 8355.	1.6	10
59	Secondary-Structure-Mediated Hierarchy and Mechanics in Polyureaâ€“Peptide Hybrids. Biomacromolecules, 2018, 19, 3445-3455.	2.6	7
60	Surprisingly selective sulfate extraction by a simple monofunctional di(imino)guanidinium micelle-forming anion receptor. Chemical Communications, 2018, 54, 10048-10051.	2.2	27
61	Particle size effect in porous film electrodes of ligand-modified graphene for enhanced supercapacitor performance. Carbon, 2017, 119, 296-304.	5.4	27
62	Quantitative Analysis of the Morphology of {101} and {001} Faceted Anatase TiO₂ Nanocrystals and Its Implication on Photocatalytic Activity. Chemistry of Materials, 2017, 29, 5591-5604.	3.2	65
63	Unrivaled combination of surface area and pore volume in micelle-templated carbon for supercapacitor energy storage. Journal of Materials Chemistry A, 2017, 5, 13511-13525.	5.2	63
64	Liquid crystalline epoxy networks with exchangeable disulfide bonds. Soft Matter, 2017, 13, 5021-5027.	1.2	56
65	Nanoporous poly(3-hexylthiophene) thin film structures from self-organization of a tunable molecular bottlebrush scaffold. Nanoscale, 2017, 9, 7071-7080.	2.8	18
66	Microscopic vertical orientation of nano-interspaced graphene architectures in deposit films as electrodes for enhanced supercapacitor performance. Nano Energy, 2017, 32, 88-95.	8.2	23
67	Corrosion behaviour of friction-bit-joined and weld-bonded AA7075-T6/galvannealed DP980. Science and Technology of Welding and Joining, 2017, 22, 455-464.	1.5	26
68	Determination of active layer morphology in all-polymer photovoltaic cells. Journal of Applied Crystallography, 2017, 50, 1289-1298.	1.9	0
69	Deuteration as a Means to Tune Crystallinity of Conducting Polymers. Journal of Physical Chemistry Letters, 2017, 8, 4333-4340.	2.1	16
70	Synthetic approach to tailored physical associations in peptide-polyurea/polyurethane hybrids. Organic and Biomolecular Chemistry, 2017, 15, 7607-7617.	1.5	14
71	Controlled Assembly of Lignocellulosic Biomass Components and Properties of Reformed Materials. ACS Sustainable Chemistry and Engineering, 2017, 5, 8044-8052.	3.2	22
72	Photo-responsive liquid crystalline epoxy networks with exchangeable disulfide bonds. RSC Advances, 2017, 7, 37248-37254.	1.7	53

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73	Sustainable Energyâ€Storage Materials from Ligninâ€“Graphene Nanocompositeâ€Derived Porous Carbon Film. Energy Technology, 2017, 5, 1927-1935.	1.8	29
74	An Airâ€Stable Na₃SbS₄ Superionic Conductor Prepared by a Rapid and Economic Synthetic Procedure. Angewandte Chemie, 2016, 128, 8693-8697.	1.6	44
75	An Airâ€Stable Na₃SbS₄ Superionic Conductor Prepared by a Rapid and Economic Synthetic Procedure. Angewandte Chemie - International Edition, 2016, 55, 8551-8555.	7.2	183
76	Diblock copolymers of polystyreneâ€bâ€poly(1,3â€cyclohexadiene) exhibiting unique threeâ€phase microdomain morphologies. Journal of Polymer Science, Part B: Polymer Physics, 2016, 54, 1564-1572.	2.4	5
77	Molecular Design: Network Architecture and Its Impact on the Organization and Mechanics of Peptide-Polyurea Hybrids. Biomacromolecules, 2016, 17, 3931-3939.	2.6	14
78	In situ neutron scattering study of nanoscale phase evolution in PbTe-PbS thermoelectric material. Applied Physics Letters, 2016, 109, 081903.	1.5	8
79	Correlation between temperature variations of static and dynamic properties in glass-forming liquids. Physical Review E, 2016, 94, 060603.	0.8	18
80	Polymer matrix nanocomposites for automotive structural components. Nature Nanotechnology, 2016, 11, 1026-1030.	15.6	214
81	Reduction-Triggered Self-Assembly of Nanoscale Molybdenum Oxide Molecular Clusters. Journal of the American Chemical Society, 2016, 138, 10623-10629.	6.6	31
82	Epitaxial stabilization and phase instability of VO2 polymorphs. Scientific Reports, 2016, 6, 19621.	1.6	114
83	A New Class of Renewable Thermoplastics with Extraordinary Performance from Nanostructured Lignin€Elastomers. Advanced Functional Materials, 2016, 26, 2677-2685.	7.8	87
84	Photoresponsive Liquid Crystalline Epoxy Networks with Shape Memory Behavior and Dynamic Ester Bonds. ACS Applied Materials & Interfaces, 2016, 8, 15750-15757.	4.0	123
85	Recyclable Polymers: A New Class of Renewable Thermoplastics with Extraordinary Performance from Nanostructured Lignin€Elastomers (Adv. Funct. Mater. 16/2016). Advanced Functional Materials, 2016, 26, 2676-2676.	7.8	0
86	Li₂OHCl Crystalline Electrolyte for Stable Metallic Lithium Anodes. Journal of the American Chemical Society, 2016, 138, 1768-1771.	6.6	147
87	Insights into the Morphology and Kinetics of Growth of Silver Metalâ€“Organic Nanotubes. Crystal Growth and Design, 2016, 16, 1395-1403.	1.4	11
88	Fluorinated bottlebrush polymers based on poly(trifluoroethyl methacrylate): synthesis and characterization. Polymer Chemistry, 2016, 7, 680-688.	1.9	37
89	Deciphering Halogen Competition in Organometallic Halide Perovskite Growth. Journal of the American Chemical Society, 2016, 138, 5028-5035.	6.6	92
90	X-ray and Neutron Scattering Study of the Formation of Coreâ€“Shell-Type Polyoxometalates. Journal of the American Chemical Society, 2016, 138, 2638-2643.	6.6	49

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91	Nanophase Engineering of Organic Semiconductor-Based Solar Cells. Springer Series in Materials Science, 2016, , 197-228.	0.4	3
92	Peculiarity of Two Thermodynamically-Stable Morphologies and Their Impact on the Efficiency of Small Molecule Bulk Heterojunction Solar Cells. Scientific Reports, 2015, 5, 13407.	1.6	16
93	Controllable Growth of Perovskite Films by Roomâ€Temperature Air Exposure for Efficient Planar Heterojunction Photovoltaic Cells. Angewandte Chemie - International Edition, 2015, 54, 14862-14865.	7.2	41
94	Enhancement in Organic Photovoltaic Efficiency through the Synergistic Interplay of Molecular Donor Hydrogen Bonding and Ïâ€Stacking. Advanced Functional Materials, 2015, 25, 5166-5177.	7.8	27
95	Reciprocated suppression of polymer crystallization toward improved solid polymer electrolytes: Higher ion conductivity and tunable mechanical properties. Journal of Polymer Science, Part B: Polymer Physics, 2015, 53, 1450-1457.	2.4	24
96	Quantitative Phase Fraction Detection in Organic Photovoltaic Materials through EELS Imaging. Polymers, 2015, 7, 2446-2460.	2.0	16
97	The electrochemical reactions of SnO2 with Li and Na: A study using thin films and mesoporous carbons. Journal of Power Sources, 2015, 284, 1-9.	4.0	27
98	Translational diffusion of water inside hydrophobic carbon micropores studied by neutron spectroscopy and molecular dynamics simulation. Physical Review E, 2015, 91, 022124.	0.8	16
99	Perovskite Solar Cells with Near 100% Internal Quantum Efficiency Based on Large Single Crystalline Grains and Vertical Bulk Heterojunctions. Journal of the American Chemical Society, 2015, 137, 9210-9213.	6.6	246
100	Correlating high power conversion efficiency of PTB7:PC₇₁BM inverted organic solar cells with nanoscale structures. Nanoscale, 2015, 7, 15576-15583.	2.8	54
101	Strong and Electrically Conductive Graphene-Based Composite Fibers and Laminates. ACS Applied Materials & Interfaces, 2015, 7, 10702-10709.	4.0	63
102	Nanostructure enhanced ionic transport in fullerene reinforced solid polymer electrolytes. Physical Chemistry Chemical Physics, 2015, 17, 8266-8275.	1.3	13
103	Controlled Shape Memory Behavior of a Smectic Main-Chain Liquid Crystalline Elastomer. Macromolecules, 2015, 48, 2864-2874.	2.2	45
104	Improving performance of TIPS pentacene-based organic thin film transistors with small-molecule additives. Organic Electronics, 2014, 15, 150-155.	1.4	60
105	The isotopic effects of deuteration on optoelectronic properties of conducting polymers. Nature Communications, 2014, 5, 3180.	5.8	103
106	In Situ Determination of the Liquid/Solid Interface Thickness and Composition for the Li Ion Cathode LiMn_{1.5}Ni_{0.5}O₄. ACS Applied Materials & Interfaces, 2014, 6, 18569-18576.	4.0	68
107	A high conductivity oxideâ€“sulfide composite lithium superionic conductor. Journal of Materials Chemistry A, 2014, 2, 4111-4116.	5.2	77
108	Studies on Supercapacitor Electrode Material from Activated Lignin-Derived Mesoporous Carbon. Langmuir, 2014, 30, 900-910.	1.6	342

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109	Understanding How Processing Additives Tune the Nanoscale Morphology of High Efficiency Organic Photovoltaic Blends: From Casting Solution to Spunâ€Cast Thin Film. Advanced Functional Materials, 2014, 24, 6647-6657.	7.8	39
110	Solvent-type-dependent polymorphism and charge transport in a long fused-ring organic semiconductor. Nanoscale, 2014, 6, 449-456.	2.8	59
111	The reaction mechanism of SnSb and Sb thin film anodes for Na-ion batteries studied by X-ray diffraction, 119Sn and 121Sb MÃ¶ssbauer spectroscopies. Journal of Power Sources, 2014, 267, 329-336.	4.0	109
112	High-performance organic field-effect transistors with dielectric and active layers printed sequentially by ultrasonic spraying. Journal of Materials Chemistry C, 2013, 1, 4384.	2.7	27
113	Conjugated Polymer-Mediated Polymorphism of a High Performance, Small-Molecule Organic Semiconductor with Tuned Intermolecular Interactions, Enhanced Long-Range Order, and Charge Transport. Chemistry of Materials, 2013, 25, 4378-4386.	3.2	77
114	Bilayer self-assembly on a hydrophilic, deterministically nanopatterned surface. Nano Research, 2013, 6, 784-794.	5.8	3
115	Solvent quality-induced nucleation and growth of parallelepiped nanorods in dilute poly(3-hexylthiophene) (P3HT) solution and the impact on the crystalline morphology of solution-cast thin film. CrystEngComm, 2013, 15, 1114-1124.	1.3	51
116	Surface-Induced Orientation Control of CuPc Molecules for the Epitaxial Growth of Highly Ordered Organic Crystals on Graphene. Journal of the American Chemical Society, 2013, 135, 3680-3687.	6.6	125
117	Flow-induced crystallization precursor structure in high molecular weight isotactic polypropylene (HMW-iPP)/low molecular weight linear low density polyethylene (LMW-LLDPE) binary blends. Polymer, 2013, 54, 1425-1431.	1.8	15
118	Germanium as negative electrode material for sodium-ion batteries. Electrochemistry Communications, 2013, 34, 41-44.	2.3	206
119	Evidence for the Formation of Nitrogen-Rich Platinum and Palladium Nitride Nanoparticles. Chemistry of Materials, 2013, 25, 4936-4945.	3.2	33
120	Morphological origin for the stratification of P3HT:PCBM blend film studied by neutron reflectometry. Applied Physics Letters, 2013, 103, .	1.5	14
121	Confinement of Elastomeric Block Copolymers via Forced Assembly Coextrusion. ACS Applied Materials & Interfaces, 2011, 3, 4804-4811.	4.0	27
122	Fractionated crystallization of Î±â€•and Î²â€•nucleated polypropylene droplets. Journal of Polymer Science, Part B: Polymer Physics, 2011, 49, 159-171.	2.4	28
123	PSâ€bâ€P3HT Copolymers as P3HT/PCBM Interfacial Compatibilizers for High Efficiency Photovoltaics. Advanced Materials, 2011, 23, 5529-5535.	11.1	110
124	Structure and properties of biaxialâ€oriented crystalline polymers by solidâ€state crossrolling. Journal of Applied Polymer Science, 2010, 118, 659-670.	1.3	4
125	Impact of Nanoscale Confinement on Crystal Orientation of Poly(ethylene oxide). Macromolecular Rapid Communications, 2010, 31, 356-361.	2.0	46
126	Macromol. Rapid Commun. 4/2010. Macromolecular Rapid Communications, 2010, 31, .	2.0	0

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127	Crystallization behavior of isotactic propyleneâ€1â€hexene random copolymer revealed by timeâ€resolved SAXS/WAXD techniques. Journal of Polymer Science, Part B: Polymer Physics, 2010, 48, 26-32.	2.4	11
128	Effect of Substrate on the Isothermal Crystallization Kinetics of Confined Poly(Îµ-caprolactone) Nanolayers. Macromolecules, 2010, 43, 8619-8627.	2.2	78
129	Crystallization Kinetics of Poly(ethylene oxide) in Confined Nanolayers. Macromolecules, 2010, 43, 3359-3364.	2.2	80
130	Confined Crystallization of Polyethylene Oxide in Nanolayer Assemblies. Science, 2009, 323, 757-760.	6.0	334
131	Confined Crystallization of PEO in Nanolayered Films Impacting Structure and Oxygen Permeability. Macromolecules, 2009, 42, 7055-7066.	2.2	133
132	Orientation-induced crystallization of poly(ethylene terephthalate) fibers with controlled microstructure. Polymer, 2008, 49, 4882-4888.	1.8	38
133	Formation and Stability of Shear-Induced Shish-Kebab Structure in Highly Entangled Melts of UHMWPE/HDPE Blends. Macromolecules, 2008, 41, 4766-4776.	2.2	162
134	Water soluble complexes of chitosanâ€g â€MPEG and hyaluronic acid. Journal of Biomedical Materials Research - Part A, 2007, 80A, 800-812.	2.1	46
135	The role of interlamellar chain entanglement in deformation-induced structure changes during uniaxial stretching of isotactic polypropylene. Polymer, 2007, 48, 6867-6880.	1.8	173
136	Probing nucleation and growth behavior of twisted kebabs from shish scaffold in sheared polyethylene melts by in situ X-ray studies. Polymer, 2007, 48, 4511-4519.	1.8	59
137	Thermal Stability of Shear-Induced Shish-Kebab Precursor Structure from High Molecular Weight Polyethylene Chains. Macromolecules, 2006, 39, 2209-2218.	2.2	102
138	Probing the flow-induced shish-kebab structure in entangled polyethylene melts by synchrotron X-ray scattering. Journal of Applied Crystallography, 2006, 40, s48-s51.	1.9	7
139	Thermal deformations of oriented noncrystalline poly (ethylene terephthalate) fibers in the presence of mesophase structure. Polymer, 2005, 46, 939-945.	1.8	38
140	Polycarbonate/acrylonitrile-styrene-acrylic elastomer terpolymer blends with enhanced interfacial adhesion and surface gloss. Journal of Applied Polymer Science, 2005, 96, 2097-2104.	1.3	18
141	Synchrotron X-ray scattering studies of the nature of shear-induced shish-kebab structure in polyethylene melt. , 2005, , 114-126.		6
142	Probing Flow-Induced Precursor Structures in Blown Polyethylene Films by Synchrotron X-rays during Constrained Melting. Macromolecules, 2005, 38, 5128-5136.	2.2	29
143	In situ synchrotron SAXS/WAXD studies during melt spinning of modified carbon nanofiber and isotactic polypropylene nanocomposite. Colloid and Polymer Science, 2004, 282, 802-809.	1.0	19
144	Crystallization and Transient Mesophase Structure in Cold-Drawn PET Fibers. Macromolecules, 2003, 36, 9873-9878.	2.2	63

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145	Deformation Behavior of Polyethylene/Silicate Nanocomposites As Studied by Real-Time Wide-Angle X-ray Scattering. Macromolecules, 2002, 35, 5529-5535.	2.2	85
146	Tailoring compatibilization potential of maleic anhydrideâ€grafted polypropylene by sequential rheochemical processing of polypropylene and polyamide 66 blends. Polymer Engineering and Science, 0, , .	1.5	1