Shouke Yan

List of Publications by Year
in descending order

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228 papers	8,459 citations	57719 44 h-index	60583 81 g-index
231 all docs	231 docs citations	231 times ranked	7319 citing authors

#	Article	IF	Citations
1	All-organic thermally activated delayed fluorescence materials for organic light-emitting diodes. Nature Reviews Materials, 2018, 3, .	23.3	1,097
2	Crystal Modifications and Thermal Behavior of Poly(l-lactic acid) Revealed by Infrared Spectroscopy. Macromolecules, 2005, 38, 8012-8021.	2.2	775
3	Rational Design of TADF Polymers Using a Donorâ€“Acceptor Monomer with Enhanced TADF Efficiency Induced by the Energy Alignment of Charge Transfer and Local Triplet Excited States. Advanced Optical Materials, 2016, 4, 597-607.	3.6	235
4	Surface-Induced Polymer Crystallization and the Resultant Structures and Morphologies. Macromolecules, 2011, 44, 417-428.	2.2	189
5	Direct AFM Observation of Crystal Twisting and Organization in Banded Spherulites of Chiral Poly(3-hydroxybutyrate-co-3-hydroxyhexanoate). Macromolecules, 2004, 37, 4118-4123.	2.2	159
6	On the Î± â†' Î² Transition of Carbon-Coated Highly Oriented PVDF Ultrathin Film Induced by Melt Recrystallization. Journal of the American Chemical Society, 2003, 125, 1496-1497.	6.6	153
7	Pendant Homopolymer and Copolymers as Solution-Processable Thermally Activated Delayed Fluorescence Materials for Organic Light-Emitting Diodes. Macromolecules, 2016, 49, 5452-5460.	2.2	145
8	Nanowire Crystals of a Rigid Rod Conjugated Polymer. Journal of the American Chemical Society, 2009, 131, 17315-17320.	6.6	141
9	Optical Microscopic Study on the Morphologies of Isotactic Polypropylene Induced by Its Homogeneity Fibers. Macromolecules, 2003, 36, 2802-2807.	2.2	116
10	Synthesis of graphene/Niâ€“Al layered double hydroxide nanowires and their application as an electrode material for supercapacitors. Journal of Materials Chemistry A, 2014, 2, 5060.	5.2	114
11	Promising Functional Materials Based on Ladder Polysiloxanes. Advanced Materials, 2008, 20, 2970-2976.	11.1	108
12	Orientation-induced crystallization of isotactic polypropylene. Polymer, 2013, 54, 4404-4421.	1.8	106
13	Solutionâ€Processable Thermally Activated Delayed Fluorescence White OLEDs Based on Dualâ€Emission Polymers with Tunable Emission Colors and Aggregationâ€Enhanced Emission Properties. Advanced Optical Materials, 2017, 5, 1700435.	3.6	99
14	Depletion-Induced Nonbirefringent Banding in Thin Isotactic Polystyrene Thin Films. Macromolecules, 2004, 37, 9283-9286.	2.2	91
15	Direct formation of form I poly(1-butene) single crystals from melt crystallization in ultrathin films. Journal of Polymer Science, Part B: Polymer Physics, 2002, 40, 2641-2645.	2.4	90
16	Arylsilanes and siloxanes as optoelectronic materials for organic light-emitting diodes (OLEDs). Journal of Materials Chemistry C, 2015, 3, 9496-9508.	2.7	80
17	Reshapable MXene/Graphene Oxide/Polyaniline Plastic Hybrids with Patternable Surfaces for Highly Efficient Solarâ€Driven Water Purification. Advanced Functional Materials, 2022, 32, .	7.8	79
18	Deep-Blue Thermally Activated Delayed Fluorescence Polymers for Nondoped Solution-Processed Organic Light-Emitting Diodes. Macromolecules, 2019, 52, 2296-2303.	2.2	77

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19	Polysiloxanes for optoelectronic applications. Progress in Materials Science, 2016, 83, 383-416.	16.0	76
20	Surface-Induced Anisotropic Chain Ordering of Polycarprolactone on Oriented Polyethylene Substrate:â€‰ Epitaxy and Soft Epitaxy. Macromolecules, 2006, 39, 8041-8048.	2.2	73
21	Epitaxial Crystallization of Poly(butylene adipate) on Highly Oriented Polyethylene Thin Film. Macromolecules, 2005, 38, 2739-2743.	2.2	71
22	Highly efficient white-emitting thermally activated delayed fluorescence polymers: Synthesis, non-doped white OLEDs and electroluminescent mechanism. Nano Energy, 2019, 65, 104057.	8.2	70
23	Ultralight, Superelastic, and Fatigue-Resistant Graphene Aerogel Templated by Graphene Oxide Liquid Crystal Stabilized Air Bubbles. ACS Applied Materials & Interfaces, 2019, 11, 1303-1310.	4.0	68
24	Banded spherulitic structures of poly(ethylene adipate), poly(butylene succinate) and in their blends. Physical Chemistry Chemical Physics, 2009, 11, 1619.	1.3	66
25	Morphologies and deformation behavior of poly(vinylidene fluoride)/poly(butylene succinate) blends with variety of blend ratios and under different preparation conditions. Polymer Chemistry, 2011, 2, 1688.	1.9	63
26	Epitaxial crystallization of poly(butylene adipate) on highly oriented isotactic polypropylene thin film. Polymer, 2006, 47, 2455-2459.	1.8	60
27	Polymorphic Behavior and Phase Transition of Poly(1-Butene) and Its Copolymers. Polymers, 2018, 10, 556.	2.0	59
28	Halogenated ï€-conjugated polymeric emitters with thermally activated delayed fluorescence for highly efficient polymer light emitting diodes. Nano Energy, 2020, 73, 104800.	8.2	59
29	The design, synthesis and performance of thermally activated delayed fluorescence macromolecules. Polymer Chemistry, 2020, 11, 1555-1571.	1.9	58
30	In situ AFM study of the growth of banded hedritic structures in thin films of isotactic polystyrene. Polymer, 2005, 46, 9015-9021.	1.8	57
31	Conjunction of Conducting Polymer Nanostructures with Macroporous Structured Graphene Thin Films for High-Performance Flexible Supercapacitors. ACS Applied Materials & Interfaces, 2016, 8, 11711-11719.	4.0	57
32	Synthesis of Alternating Copolysiloxane with Terthiophene and Perylenediimide Derivative Pendants for Involatile WORM Memory Device. Advanced Functional Materials, 2014, 24, 3446-3455.	7.8	55
33	Epitaxial Crystallization of Poly(3-hexylthiophene) on a Highly Oriented Polyethylene Thin Film from Solution. Journal of Physical Chemistry B, 2011, 115, 13449-13454.	1.2	54
34	Grafting P3HT brushes on GO sheets: distinctive properties of the GO/P3HT composites due to different grafting approaches. Journal of Materials Chemistry, 2012, 22, 21583.	6.7	51
35	A Monochloro Copper Phthalocyanine Memristor with Highâ€Temperature Resilience for Electronic Synapse Applications. Advanced Materials, 2021, 33, e2006201.	11.1	51
36	Epitaxial Crystallization of Isotactic Poly(Methyl Methacrylate) on Highly Oriented Polyethylene. Journal of Physical Chemistry B, 2006, 110, 738-742.	1.2	50

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37	Ordering Rigid Rod Conjugated Polymer Molecules for High Performance Photoswitchers. Langmuir, 2008, 24, 13241-13244.	1.6	50
38	A Study on the Epitaxial Ordering Process of the Polycaprolactone on the Highly Oriented Polyethylene Substrate. Macromolecules, 2010, 43, 362-366.	2.2	50
39	Efficient Thermally Activated Delayed Fluorescence Conjugated Polymeric Emitters with Tunable Nature of Excited States Regulated via Carbazole Derivatives for Solution-Processed OLEDs. Macromolecules, 2018, 51, 4615-4623.	2.2	50
40	Influence of crystallization temperature on the morphologies of isotactic polypropylene single-polymer composite. Polymer, 2004, 45, 8059-8065.	1.8	49
41	Single crystalline microribbons of perylo[1,12-b,c,d]selenophene for high performance transistors. Applied Physics Letters, 2009, 94, .	1.5	48
42	Multiple-bilayered RGOâ€“porphyrin films: from preparation to application in photoelectrochemical cells. Journal of Materials Chemistry, 2012, 22, 18879.	6.7	48
43	Thermally Activated Delayed Fluorescence Pendant Copolymers with Electron- and Hole-Transporting Spacers. ACS Applied Materials & Interfaces, 2018, 10, 5731-5739.	4.0	47
44	Crystallization behavior of biodegradable poly(Lâ€lactide)/multiwalled carbon nanotubes nanocomposites from the amorphous state. Polymer Engineering and Science, 2011, 51, 1564-1573.	1.5	45
45	Structure Changes during the Induction Period of Cold Crystallization of Isotactic Polystyrene Investigated by Infrared and Two-Dimensional Infrared Correlation Spectroscopy. Macromolecules, 2004, 37, 3292-3298.	2.2	44
46	A study on the crystallization behavior of poly(Î²-hydroxybutyrate) thin films on Si wafers. Polymer, 2011, 52, 3865-3870.	1.8	44
47	Solution-Processed Blue/Deep Blue and White Phosphorescent Organic Light-Emitting Diodes (PhOLEDs) Hosted by a Polysiloxane Derivative with Pendant mCP (1,3-bis(9-carbazolyl)benzene). ACS Applied Materials & Interfaces, 2015, 7, 27989-27998.	4.0	44
48	Temperature-directed growth of highly pyridinic nitrogen doped, graphitized, ultra-hollow carbon frameworks as an efficient electrocatalyst for the oxygen reduction reaction. Journal of Materials Chemistry A, 2017, 5, 18064-18070.	5.2	43
49	Highâ€Efficiency Solutionâ€Processable OLEDs by Employing Thermally Activated Delayed Fluorescence Emitters with Multiple Conversion Channels of Triplet Excitons. Advanced Science, 2021, 8, e2101326.	5.6	43
50	Initial Stage of iPP Î² to Î± Growth Transition Induced by Stepwise Crystallization. Macromolecules, 2008, 41, 5062-5064.	2.2	42
51	A dual-fluorescent composite of graphene oxide and poly(3-hexylthiophene) enables the ratiometric detection of amines. Chemical Science, 2014, 5, 3130.	3.7	42
52	Study on the Phase Transition Behavior of Poly(butylene adipate) in its Blends with Poly(vinyl phenol). Journal of Physical Chemistry B, 2011, 115, 1950-1957.	1.2	41
53	Carbazole-based polysiloxane hosts for highly efficient solution-processed blue electrophosphorescent devices. Journal of Materials Chemistry C, 2013, 1, 5344.	2.7	40
54	Origin of Oriented Recrystallization of Carbon-Coated Preoriented Ultrathin Polymer Films. Macromolecules, 2003, 36, 339-345.	2.2	39

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55	Nonfullerene-Acceptor All-Small-Molecule Organic Solar Cells Based on Highly Twisted Perylene Bisimide with an Efficiency of over 6%. ACS Applied Materials & Interfaces, 2017, 9, 2739-2746.	4.0	39
56	Morphology and Thermal Properties of Precision Polymers: The Crystallization of Butyl Branched Polyethylene and Polyphosphoesters. Macromolecules, 2016, 49, 1321-1330.	2.2	38
57	Crystal Structure Regulation of Ferroelectric Poly(vinylidene fluoride) via Controlled Meltâ€“Recrystallization. Industrial & Engineering Chemistry Research, 2017, 56, 4580-4587.	1.8	38
58	Reflection-absorption infrared spectroscopy investigation of the crystallization kinetics of poly(ethylene terephthalate) ultrathin films. Journal of Polymer Science, Part B: Polymer Physics, 2004, 42, 4440-4447.	2.4	37
59	Tunable Selfâ€Assembled Micro/Nanostructures of Carboxylâ€Functionalized Squarylium Cyanine for Ammonia Sensing. Advanced Functional Materials, 2015, 25, 7442-7449.	7.8	37
60	Morphological Evidence for the Two-Step IIâ€“I Phase Transition of Isotactic Polybutene-1. Macromolecules, 2019, 52, 7175-7182.	2.2	37
61	Epitaxial Recrystallization of IPBu in Form II on an Oriented IPS Film Initially Induced by Oriented Form I IPBu. Macromolecules, 2019, 52, 4232-4239.	2.2	37
62	Asymmetricalâ€Dendronized TADF Emitters for Efficient Nonâ€doped Solutionâ€Processed OLEDs by Eliminating Degenerate Excited States and Creating Solely Thermal Equilibrium Routes. Angewandte Chemie - International Edition, 2022, 61, .	7.2	36
63	In Situ FTIR Studies on the Cold-Crystallization Process and Multiple Melting Behavior of Isotactic Polystyrene. Macromolecules, 2003, 36, 4874-4879.	2.2	35
64	High-Strength, Fast Self-Healing, Aging-Insensitive Elastomers with Shape Memory Effect. ACS Applied Materials & Interfaces, 2020, 12, 35445-35452.	4.0	35
65	Molecular Orientation and Field-effect Transistors of a Rigid Rod Conjugated Polymer Thin Films. Journal of Physical Chemistry B, 2009, 113, 4176-4180.	1.2	34
66	Origin of Epitaxial Cold Crystallization of Poly(<scp>l</scp>-lactic acid) on Highly Oriented Polyethylene Substrate. Macromolecules, 2013, 46, 5215-5222.	2.2	34
67	Influence of melt-mixing processing sequence on electrical conductivity of polyethylene/polypropylene blends filled with graphene. Polymer Bulletin, 2017, 74, 1237-1252.	1.7	33
68	Highly Anisotropic P3HT Film Fabricated via Epitaxy on an Oriented Polyethylene Film and Solvent Vapor Treatment. Langmuir, 2019, 35, 7841-7847.	1.6	33
69	Anisotropic highly-conductive films of poly(3-methylthiophene) from epitaxial electropolymerization on oriented poly(vinylidene fluoride). Chemical Science, 2014, 5, 3240-3245.	3.7	32
70	A versatile hybrid polyphenylsilane host for highly efficient solution-processed blue and deep blue electrophosphorescence. Journal of Materials Chemistry C, 2014, 2, 8277-8284.	2.7	32
71	An AFM study on the structure and melting behavior of melt-crystallized isotactic poly(1-butene). Polymer, 2004, 45, 6365-6374.	1.8	31
72	Direct High-Temperature Form I Crystallization of Isotactic Poly(1-butene) Assisted by Oriented Isotactic Polypropylene. Macromolecules, 2019, 52, 9657-9664.	2.2	31

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73	Synthesis and properties of siloxane modified perylene bisimide discotic liquid crystals. Soft Matter, 2013, 9, 10739-10745.	1.2	30
74	Confinement Effects on the Crystallization of Poly(3-hydroxybutyrate). Macromolecules, 2018, 51, 5732-5741.	2.2	30
75	Anisotropic Polyaniline/SWCNT Composite Films Prepared by in Situ Electropolymerization on Highly Oriented Polyethylene for High-Efficiency Ammonia Sensor. ACS Applied Materials & Interfaces, 2019, 11, 38169-38176.	4.0	30
76	2D Ferrous Ionâ€Crosslinked Ti₃C₂T_x MXene Aerogel Evaporators for Efficient Solar Steam Generation. Advanced Sustainable Systems, 2021, 5, 2100263.	2.7	30
77	A facile way to fabricate anisotropic P3HT films by combining epitaxy and electrochemical deposition. Chemical Communications, 2016, 52, 10972-10975.	2.2	29
78	The Effect of Epoxidation on Strainâ€Induced Crystallization of Epoxidized Natural Rubber. Macromolecular Rapid Communications, 2019, 40, e1900042.	2.0	29
79	Preparation and XPS study of X-ray photochromic transparent BiOI/nylon11 composite film. Applied Physics A: Materials Science and Processing, 2011, 103, 1059-1065.	1.1	28
80	Study of the Supramolecular Architecture-Directed Synthesis of a Well-Defined Triple-Chain Ladder Polyphenylsiloxane. Macromolecules, 2010, 43, 2130-2136.	2.2	27
81	High efficiency organosilicon-containing polymer sensors for the detection of trinitrotoluene and dinitrotoluene. Journal of Materials Chemistry C, 2016, 4, 6756-6760.	2.7	27
82	Vapor Phase Epitaxy of Perylo[1,12-b,c,d]thiophene on Highly Oriented Polyethylene Thin Films. Macromolecules, 2009, 42, 9321-9324.	2.2	26
83	Synthesis of well-defined poly(phenylcarbazole-alt-triphenylphosphine oxide) siloxane as a bipolar host material for solution-processed deep blue phosphorescent devices. Polymer Chemistry, 2014, 5, 220-226.	1.9	26
84	The phase transition behavior of poly(butylene adipate) in the nanoporous anodic alumina oxide. Polymer Chemistry, 2016, 7, 410-417.	1.9	26
85	TADF dendronized polymer with vibrationally enhanced direct spin-flip between charge-transfer states for efficient non-doped solution-processed OLEDs. Chemical Engineering Journal, 2022, 435, 134924.	6.6	26
86	Effect of Anodic Alumina Oxide Pore Diameter on the Crystallization of Poly(butylene adipate). Langmuir, 2016, 32, 3269-3275.	1.6	25
87	Epitaxial and graphoepitaxial growth of isotactic polypropylene (iPP) from the melt on highly oriented high density polyethylene (HDPE) substrates. Journal of Polymer Science, Part B: Polymer Physics, 1999, 37, 1893-1898.	2.4	24
88	Bimodal polyethylene promoted by novel nickel complex. Polymer International, 2004, 53, 2155-2161.	1.6	24
89	Synthesis of nitrogen-doped monolayer graphene with high transparent and n-type electrical properties. Journal of Materials Chemistry C, 2015, 3, 6172-6177.	2.7	24
90	Polysiloxaneâ€Modified Tetraphenylethene: Synthesis, AIE Properties, and Sensor for Detecting Explosives. Macromolecular Rapid Communications, 2016, 37, 1772-1779.	2.0	24

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91	Temperature-Dependent Recrystallization Morphologies of Carbon-Coated Isotactic Polypropylene Highly Oriented Thin Films. Macromolecules, 2017, 50, 3582-3589.	2.2	24
92	Synergistic Effect of Hydrogen Bonds and Diffusion on the Î²-Crystallization of Poly(vinylidene) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 70 2019, 58, 7389-7396.	1.8	24
93	Visualization and Quantification of the Microstructure Evolution of Isoprene Rubber during Uniaxial Stretching Using AFM Nanomechanical Mapping. Macromolecules, 2020, 53, 3082-3089.	2.2	24
94	Ï€-Conjugated polymeric light emitting diodes with sky-blue emission by employing thermally activated delayed fluorescence mechanism. Chemical Engineering Journal, 2021, 417, 128089.	6.6	24
95	On the development of special positive isotactic polypropylene spherulites. Journal of Polymer Science, Part B: Polymer Physics, 2006, 44, 1114-1121.	2.4	23
96	A comparison study on the melt crystallization kinetics of long chain branched and linear isotactic polypropylenes. Science Bulletin, 2008, 53, 188-197.	1.7	23
97	A Stable and Highâ€Efficiency Blueâ€Light Emitting Terphenylâ€Bridged Ladder Polysiloxane. Macromolecular Rapid Communications, 2008, 29, 1259-1263.	2.0	23
98	Study on the Oriented Recrystallization of Carbon-Coated Polyethylene Oriented Ultrathin Films. Journal of Physical Chemistry B, 2010, 114, 13104-13109.	1.2	23
99	Comparison Study on the Heterogeneous Nucleation of Isotactic Polypropylene by Its Own Fiber and Î± Nucleating Agents. Industrial & Engineering Chemistry Research, 2013, 52, 4772-4778.	1.8	23
100	Influence of Poly(vinylphenol) Sublayer on the Crystallization Behavior of Poly(3-hydroxybutyrate) Thin Films. Macromolecules, 2013, 46, 1573-1581.	2.2	23
101	A fast self-healable and stretchable conductor based on hierarchical wrinkled structure for flexible electronics. Composites Science and Technology, 2021, 211, 108834.	3.8	23
102	Supramolecular templateâ€directed synthesis of stable and highâ€efficiency photoluminescence 9,10â€diphenylanthrylâ€bridged ladder polysiloxane. Journal of Polymer Science Part A, 2010, 48, 2491-2497.	2.5	22
103	Multi-3,3â€²-Bicarbazole-Substituted Arylsilane Host Materials with Balanced Charge Transport for Highly Efficient Solution-Processed Blue Phosphorescent Organic Light-Emitting Diodes. ACS Applied Materials & Interfaces, 2015, 7, 17802-17810.	4.0	22
104	Enhance the performance of polymer solar cells via extension of the flanking end groups of fused ring acceptors. Science China Chemistry, 2018, 61, 1320-1327.	4.2	22
105	Taming the Phase Transition Ability of Poly(vinylidene fluoride) from Î± to Î³â€² Phase. Macromolecules, 2020, 53, 5971-5979.	2.2	22
106	Can the Structures of Semicrystalline Polymers be Controlled Using Interfacial Crystallographic Interactions?. Macromolecular Chemistry and Physics, 2013, 214, 639-653.	1.1	21
107	Epitaxially-crystallized oriented naphthalene bis(dicarboximide) morphology for significant performance improvement of electron-transporting thin-film transistors. Chemical Communications, 2016, 52, 4902-4905.	2.2	21
108	TEM Studies on Single Crystal Structure of Syndiotactic Poly(Propene-co-butene-1)s. Macromolecules, 2002, 35, 4646-4652.	2.2	20

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109	Electrochemically deposited interlayer between PEDOT:PSS and phosphorescent emitting layer for multilayer solution-processed phosphorescent OLEDs. Journal of Materials Chemistry C, 2016, 4, 9509-9515.	2.7	20
110	Surface induced crystallization of PCL on oriented PE substrates: epitaxy and transcrystallization. Colloid and Polymer Science, 2003, 281, 601-607.	1.0	19
111	A comparison study on the homogeneity and heterogeneity fiber induced crystallization of isotactic polypropylene. Colloid and Polymer Science, 2003, 281, 973-979.	1.0	19
112	Initial Crystallization Mechanism of Isotactic Polystyrene from Different States. Journal of Physical Chemistry B, 2005, 109, 5586-5591.	1.2	19
113	Synthesis of triphenylamine based polysiloxane as a blue phosphorescent host. Polymer Chemistry, 2014, 5, 5046-5052.	1.9	19
114	Effects of Nanoporous Anodic Alumina Oxide on the Crystallization and Melting Behavior of Poly(vinylidene fluoride). Journal of Physical Chemistry B, 2016, 120, 843-850.	1.2	19
115	Epitaxial Crystallization of Isotactic Poly(methyl methacrylate) from Different States on Highly Oriented Polyethylene Thin Film. Journal of Physical Chemistry B, 2018, 122, 9425-9433.	1.2	19
116	Comparative study on the molecular chain orientation and strain-induced crystallization behaviors of HNBR with different acrylonitrile content under uniaxial stretching. Polymer, 2021, 219, 123520.	1.8	19
117	Nucleation and overgrowth of PE on PTFE/iPP interfaces. Journal of Polymer Science, Part B: Polymer Physics, 2000, 38, 80-83.	2.4	18
118	Synthesis of ring-structured polysiloxane as host materials for blue phosphorescent device. Journal of Materials Chemistry, 2011, 21, 7777.	6.7	18
119	Fabrication of High Toughness Poly(lactic acid) by Combining Plasticization with Cross-linking Reaction. Industrial & Engineering Chemistry Research, 2012, 51, 7273-7278.	1.8	18
120	Real-Space in Situ Study of the Iiâ€“I Phase Transition of Isotactic Poly(1-butene). Macromolecules, 2020, 53, 3090-3096.	2.2	18
121	Crystallization behavior of a propylene-1-butene random copolymer in its Î± and Î³ modifications. Colloid and Polymer Science, 2007, 285, 1149-1155.	1.0	17
122	The crystallization behavior of biodegradable polymer in thin film. European Polymer Journal, 2018, 102, 238-253.	2.6	17
123	Oriented Overgrowths of Poly(<scp>l</scp>â€Lactide) on Oriented Isotactic Polypropylene: A Sequence of Soft and Hard Epitaxies. Macromolecular Rapid Communications, 2018, 39, e1800353.	2.0	17
124	Structure and Mechanical Property of Melt-Drawn Oriented PLA Ultrathin Films. Macromolecules, 2021, 54, 9124-9134.	2.2	17
125	Green fabrication of porous microspheres containing cellulose nanocrystal/MnO2 nanohybrid for efficient dye removal. Carbohydrate Polymers, 2021, 270, 118340.	5.1	17
126	Activating Energy Transfer Tunnels by Tuning Local Electronegativity of Conjugated Polymeric Backbone for Highâ€Efficiency OLEDs with Low Efficiency Rollâ€Off. Advanced Functional Materials, 2022, 32, .	7.8	17

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127	Effect of lamellar thickness on the epitaxial crystallization of PE on oriented iPP films. Polymer Bulletin, 1997, 38, 87-94.	1.7	16
128	The synthesis and flash memory behavior of alternate copolymer containing carbazole donor and perylenediimide derivatives acceptor by the hybridization of organo-silicon. Journal of Materials Chemistry C, 2015, 3, 10249-10255.	2.7	16
129	Efficient triplet utilization in conventional solution-processed phosphorescent organic light emitting diodes using a thermal activated delayed fluorescence polymer as an assistant host. Journal of Materials Chemistry C, 2018, 6, 4800-4806.	2.7	16
130	Evidence for the Soft and Hard Epitaxies of Poly(<scp>l</scp>-lactic acid) on an Oriented Polyethylene Substrate and Their Dependence on the Crystallization Temperature. Macromolecules, 2020, 53, 1745-1751.	2.2	16
131	Realizing External Quantum Efficiency over 25% with Low Efficiency Roll-Off in Polymer-Based Light-Emitting Diodes Synergistically Utilizing Intramolecular Sensitization and Bipolar Thermally Activated Delayed Fluorescence Monomer. CCS Chemistry, 2023, 5, 1005-1017.	4.6	16
132	Orientation Study of Poly(ethylene terephthlate) Ultrathin Films during Crystallization. Polymer Journal, 2005, 37, 133-136.	1.3	15
133	Ladder polysilsesquioxane for wide-band semiconductors: synthesis, optical properties and doped electrophosphorescent device. Journal of Materials Chemistry, 2011, 21, 11306.	6.7	15
134	The Î²Î± growth transition of isotactic polypropylene during stepwise crystallization at elevated temperature. Colloid and Polymer Science, 2015, 293, 2823-2830.	1.0	15
135	Synthesis and the aggregation induced enhanced emission effect of pyrene based polysiloxanes. Polymer Chemistry, 2015, 6, 7827-7832.	1.9	15
136	Morphology and electrical conductivity of polyethylene/polypropylene blend filled with thermally reduced graphene oxide and surfactant exfoliated graphene. Polymer Composites, 2017, 38, 2098-2105.	2.3	15
137	The design of highly efficient polymer solar cells with outstanding short-circuit current density based on small band gap electron acceptor. Dyes and Pigments, 2018, 150, 363-369.	2.0	15
138	Melting and Î² to Î± transition behavior of Î²-PBA and the Î²-PBA/PVPh blend investigated by synchrotron SAXS and WAXD. RSC Advances, 2014, 4, 39101.	1.7	14
139	The effect of the poly(vinyl phenol) sublayer on the melting behavior of poly(butylene adipate) crystals. Polymer Chemistry, 2014, 5, 4293.	1.9	14
140	Synergistic Effect of Solvent and Epitaxy on the Formation of Anisotropic Structures of P3HT and P3HT/PCBM Films. Journal of Physical Chemistry B, 2019, 123, 7233-7239.	1.2	14
141	Enhanced charge transport and thermoelectric performance of P(NDI2OD-T2) by epitaxial crystallization on highly oriented polyethylene substrates. Materials Chemistry Frontiers, 2020, 4, 661-668.	3.2	14
142	Enhanced Upconversion of Triplet Excitons for Conjugated Polymeric Thermally Activated Delayed Fluorescence Emitters by Employing an Intramolecular Sensitization Strategy. ACS Applied Materials & Interfaces, 2021, 13, 8997-9005.	4.0	14
143	Ionic Liquid Assisted Î±â€“Î³â€² Phase Transition of Poly(vinylidene fluoride) Thin Films. Macromolecules, 2022, 55, 2160-2170.	2.2	14
144	Smart Responsive Azo-Copolymer with Photoliquefaction for Switchable Adhesive Application. ACS Applied Materials & Interfaces, 2022, 14, 16678-16686.	4.0	14

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145	Robust and ultra-fast self-healing elastomers with hierarchically anisotropic structures and used for wearable sensors. Chemical Engineering Journal, 2022, 446, 137305.	6.6	14
146	Epitaxial recrystallization of HDPE-quenched ultrathin films on oriented iPP substrates. Journal of Polymer Science, Part B: Polymer Physics, 1997, 35, 1415-1421.	2.4	13
147	Microstructured Ultrathin HDPE Films Prepared by Selective Oriented Recrystallization. Journal of Macromolecular Science - Physics, 2003, 42, 641-652.	0.4	13
148	Structure characterization of melt drawn polyethylene ultrathin films. Science Bulletin, 2006, 51, 2844-2850.	1.7	13
149	Morphologies of long chain branched isotactic polypropylene crystallized from melt. Colloid and Polymer Science, 2005, 284, 322-326.	1.0	12
150	Epitaxial Effects on Polymer Crystallization. Advances in Polymer Science, 2015, , 55-94.	0.4	12
151	Melt recrystallization behavior of carbon-coated melt-drawn oriented isotactic polypropylene thin films. Polymer Chemistry, 2015, 6, 7524-7532.	1.9	12
152	Diameter and thermal treatment dependent structure and optical properties of poly(3-hexylthiophene) nanotubes. Journal of Materials Chemistry C, 2017, 5, 8315-8322.	2.7	12
153	Flexible and Fatigueâ€Resistant Ternary Electrical Memory Based on Alternative Copolysiloxane with Carbazole Donors and Imidazoleâ€Modified Naphthalimide Acceptors. Advanced Materials Technologies, 2019, 4, 1900084.	3.0	12
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