Soo-young Park

List of Publications by Year
in descending order

192 papers	6,237 citations	71102 41 h-index	88630 70 g-index
194 all docs	194 docs citations	194 times ranked	7637 citing authors

#	Article	IF	Citations
1	Preparation of amidoxime-modified polyacrylonitrile (PAN-oxime) nanofibers and their applications to metal ions adsorption. Journal of Membrane Science, 2008, 322, 400-405.	8.2	417
2	Preparation of the electrospun chitosan nanofibers and their applications to the adsorption of Cu(II) and Pb(II) ions from an aqueous solution. Journal of Membrane Science, 2009, 328, 90-96.	8.2	380
3	Glucose sensing, photocatalytic and antibacterial properties of grapheneâ€“ZnO nanoparticle hybrids. Carbon, 2012, 50, 2994-3000.	10.3	275
4	Effect of Chemical Modification of Graphene on Mechanical, Electrical, and Thermal Properties of Polyimide/Graphene Nanocomposites. ACS Applied Materials & Interfaces, 2012, 4, 4623-4630.	8.0	181
5	Preparation of electrospun nanofibers of carbon nanotube/polycaprolactone nanocomposite. Polymer, 2006, 47, 8019-8025.	3.8	172
6	Gelation-induced fluorescence enhancement of benzoxazole-based organogel and its naked-eye fluoride detection. Chemical Communications, 2008, , 2364.	4.1	139
7	Cholesteric Liquid Crystal Droplets for Biosensors. ACS Applied Materials & Interfaces, 2016, 8, 26407-26417.	8.0	130
8	A carbon dotâ€“hemoglobin complex-based biosensor for cholesterol detection. Green Chemistry, 2016, 18, 4245-4253.	9.0	114
9	Preparation and properties of multiwalled carbon nanotube/polycaprolactone nanocomposites. Journal of Applied Polymer Science, 2007, 104, 1957-1963.	2.6	108
10	Glucose Sensor using Liquid-Crystal Droplets Made by Microfluidics. ACS Applied Materials & Interfaces, 2013, 5, 13135-13139.	8.0	107
11	Carbon-dot-based ratiometric fluorescence glucose biosensor. Sensors and Actuators B: Chemical, 2019, 282, 719-729.	7.8	96
12	Preparation of multiwalled carbon nanotube/nylonâ€6 nanocomposites by in situ polymerization. Journal of Applied Polymer Science, 2007, 106, 3729-3735.	2.6	91
13	Biosensor Array of Interpenetrating Polymer Network with Photonic Film Templated from Reactive Cholesteric Liquid Crystal and Enzymeâ€Immobilized Hydrogel Polymer. Advanced Functional Materials, 2018, 28, 1707562.	14.9	91
14	Graphene oxide/cellulose composite using NMMO monohydrate. Carbohydrate Polymers, 2011, 86, 903-909.	10.2	90
15	Liquid Crystal-Based Proton Sensitive Glucose Biosensor. Analytical Chemistry, 2014, 86, 1493-1501.	6.5	84
16	A liquid-crystal-based DNA biosensor for pathogen detection. Scientific Reports, 2016, 6, 22676.	3.3	78
17	pH-Sensitive nanocargo based on smart polymer functionalized graphene oxide for site-specific drug delivery. Physical Chemistry Chemical Physics, 2013, 15, 5176.	2.8	74
18	Swelling and electroresponsive characteristics of gelatin immobilized onto multi-walled carbon nanotubes. Sensors and Actuators B: Chemical, 2007, 124, 517-528.	7.8	72

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19	Uniaxial Tensile Deformation of Poly(Îµ-caprolactone) Studied with SAXS and WAXS Techniques Using Synchrotron Radiation. Macromolecules, 2012, 45, 8752-8759.	4.8	71
20	Microfluidic formation of pH responsive 5CB droplets decorated with PAA-b-LCP. Lab on A Chip, 2011, 11, 3493.	6.0	70
21	Miscibility of poly(ethylene terephthalate)/poly(ethylene 2,6-naphthalate) blends by transesterification. Journal of Polymer Science Part A, 1996, 34, 2841-2850.	2.3	69
22	Liquid crystals: emerging materials for use in real-time detection applications. Journal of Materials Chemistry C, 2015, 3, 9038-9047.	5.5	68
23	pH-responsive cholesteric liquid crystal double emulsion droplets prepared by microfluidics. Sensors and Actuators B: Chemical, 2017, 241, 636-643.	7.8	67
24	Multiwalled carbon nanotubes and nanofibers grafted with polyetherketones in mild and viscous polymeric acid. Polymer, 2006, 47, 1132-1140.	3.8	66
25	Fiber formation and physical properties of chitosan fiber crosslinked by epichlorohydrin in a wet spinning system: The effect of the concentration of the crosslinking agent epichlorohydrin. Journal of Applied Polymer Science, 2004, 92, 2054-2062.	2.6	63
26	Poly(N-vinyl caprolactam) grown on nanographene oxide as an effective nanocargo for drug delivery. Colloids and Surfaces B: Biointerfaces, 2014, 115, 37-45.	5.0	63
27	General Liquid-crystal droplets produced by microfluidics for urea detection. Sensors and Actuators B: Chemical, 2014, 202, 516-522.	7.8	58
28	In situ Polymerization of Multi-Walled Carbon Nanotube/Nylon-6 Nanocomposites and Their Electrospun Nanofibers. Nanoscale Research Letters, 2009, 4, 39-46.	5.7	57
29	Folate Ligand Anchored Liquid Crystal Microdroplets Emulsion for in Vitro Detection of KB Cancer Cells. Langmuir, 2014, 30, 10668-10677.	3.5	57
30	Poly(acrylic acid)-Grafted Graphene Oxide as an Intracellular Protein Carrier. Langmuir, 2014, 30, 402-409.	3.5	56
31	pH-responsive aqueous/LC interfaces using SGLCP-b-polyacrylic acid block copolymers. Soft Matter, 2010, 6, 1964.	2.7	55
32	Protein detection using aqueous/LC interfaces decorated with a novel polyacrylic acid block liquid crystalline polymer. Soft Matter, 2012, 8, 198-203.	2.7	50
33	Smart Fluorescent Hydrogel Glucose Biosensing Microdroplets with Dual-Mode Fluorescence Quenching and Size Reduction. ACS Applied Materials & Interfaces, 2018, 10, 30172-30179.	8.0	50
34	Specific detection of avidinâ€“biotin binding using liquid crystal droplets. Colloids and Surfaces B: Biointerfaces, 2015, 127, 241-246.	5.0	47
35	Preparation of hydrazineâ€modified polyacrylonitrile nanofibers for the extraction of metal ions from aqueous media. Journal of Applied Polymer Science, 2011, 121, 869-873.	2.6	46
36	Poly(lactic acid) blends with desired end-use properties by addition of thermoplastic polyester elastomer and MDI. Polymer Bulletin, 2011, 67, 187-198.	3.3	44

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37	Liquid crystal-Based DNA biosensor for myricetin detection. Sensors and Actuators B: Chemical, 2016, 233, 559-565.	7.8	44
38	Through the Spherical Lookingâ€Glass: Asymmetry Enables Multicolored Internal Reflection in Cholesteric Liquid Crystal Shells. Advanced Optical Materials, 2018, 6, 1700923.	7.3	44
39	Three-Dimensional Structure of the Zone-Drawn Film of the Nylon-6/Layered Silicate Nanocomposites. Macromolecules, 2005, 38, 1729-1735.	4.8	43
40	Preparation, swelling and electro-mechano-chemical behaviors of a gelatinâ€“chitosan blend membrane. Soft Matter, 2008, 4, 485.	2.7	43
41	Multifaceted thermoresponsive poly(N-vinylcaprolactam) coupled with carbon dots for biomedical applications. Materials Science and Engineering C, 2016, 61, 492-498.	7.3	42
42	Preparation and characterization of multiwalled carbon nanotubes/polyacrylonitrile nanofibers. Journal of Polymer Research, 2010, 17, 535-540.	2.4	41
43	Configuration change of liquid crystal microdroplets coated with a novel polyacrylic acid block liquid crystalline polymer by protein adsorption. Lab on A Chip, 2012, 12, 4553.	6.0	41
44	Direct Fabrication of Freeâ€Standing MOF Superstructures with Desired Shapes by Microâ€Confined Interfacial Synthesis. Angewandte Chemie - International Edition, 2016, 55, 7116-7120.	13.8	41
45	Photonic calcium and humidity array sensor prepared with reactive cholesteric liquid crystal mesogens. Sensors and Actuators B: Chemical, 2019, 298, 126894.	7.8	39
46	A Study on the Selectivity of Toluene/Ethanol Mixtures on the Micellar and Ordered Structures of Poly(styrene-b-4-vinylpyridine) Using Small-angle X-ray Scattering, Generalized Indirect Fourier Transform, and Transmission Electron Microscopy. Macromolecules, 2007, 40, 3757-3764.	4.8	38
47	Flexible OLED encapsulated with gas barrier film and adhesive gasket. Synthetic Metals, 2014, 193, 77-80.	3.9	38
48	Shape-Responsive Actuator from a Single Layer of a Liquid-Crystal Polymer. ACS Applied Materials & Interfaces, 2014, 6, 18048-18054.	8.0	38
49	Liquid crystal-based glucose biosensor functionalized with mixed PAA and QP4VP brushes. Biosensors and Bioelectronics, 2015, 68, 404-412.	10.1	37
50	Photonic Springâ€Like Shell Templated from Cholesteric Liquid Crystal Prepared by Microfluidics. Advanced Optical Materials, 2017, 5, 1700243.	7.3	37
51	Unusual thermal relaxation of viscosity-and-shear-induced strain in poly(ether-ketones) synthesized in highly viscous polyphosphoric acid/P2O5 medium. Polymer, 2005, 46, 1543-1552.	3.8	36
52	Bienzyme liquid-crystal-based cholesterol biosensor. Sensors and Actuators B: Chemical, 2015, 220, 508-515.	7.8	36
53	Liquid-crystal droplets functionalized with a non-enzymatic moiety for glucose sensing. Sensors and Actuators B: Chemical, 2018, 257, 579-585.	7.8	35
54	Optical glucose biosensor based on photonic interpenetrating polymer network with solid-state cholesteric liquid crystal and cationic polyelectrolyte. Sensors and Actuators B: Chemical, 2020, 316, 128099.	7.8	35

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55	Structural evolution of graphite oxide during heat treatment. Chemical Physics Letters, 2011, 511, 110-115.	2.6	34
56	Sweat-Based Noninvasive Skin-Patchable Urea Biosensors with Photonic Interpenetrating Polymer Network Films Integrated into PDMS Chips. ACS Sensors, 2020, 5, 3988-3998.	7.8	34
57	Biosensor utilizing a liquid crystal/water interface functionalized with poly(4-cyanobiphenyl-4â€²-oxyundecylacrylate-b-((2-dimethyl amino) ethyl methacrylate)). Colloids and Surfaces B: Biointerfaces, 2014, 121, 400-408.	5.0	33
58	A novel route for the preparation of thermally sensitive core-shell magnetic nanoparticles. Polymer, 2011, 52, 91-97.	3.8	31
59	An in-situ simultaneous SAXS and WAXS survey of PEBAXÂ® nanocomposites reinforced with organoclay and POSS during uniaxial deformation. Polymer, 2012, 53, 3360-3367.	3.8	31
60	Fabrication of temperature- and pH-sensitive liquid-crystal droplets with PNIPAM-b-LCP and SDS coatings by microfluidics. Journal of Materials Chemistry B, 2014, 2, 4922-4928.	5.8	31
61	Poly(4-vinyl pyridine)-grafted graphene oxide for drug delivery and antimicrobial applications. Polymer International, 2015, 64, 1660-1666.	3.1	31
62	Glucose biosensor based on GOx/HRP bienzyme at liquidâ€“crystal/aqueous interface. Journal of Colloid and Interface Science, 2015, 457, 281-288.	9.4	31
63	Smart molecular-spring photonic droplets. Materials Horizons, 2017, 4, 633-640.	12.2	31
64	Anti-IgG-anchored liquid crystal microdroplets for label free detection of IgG. Journal of Materials Chemistry B, 2016, 4, 704-715.	5.8	30
65	Photonic Cholesteric Liquid-Crystal Elastomers with Reprogrammable Helical Pitch and Handedness. ACS Applied Materials & Interfaces, 2021, 13, 59275-59287.	8.0	30
66	TiO₂/amidoxime-modified polyacrylonitrile nanofibers and its application for the photodegradation of methyl blue in aqueous medium. Desalination and Water Treatment, 2015, 54, 3146-3151.	1.0	29
67	A liquid crystal polymer based single layer chemo-responsive actuator. Chemical Communications, 2014, 50, 2030.	4.1	27
68	Structures of Side Chain Liquid Crystalline Poly(silylenemethylene)s. Macromolecules, 2002, 35, 2776-2783.	4.8	26
69	Structural evolution of poly(ether-b-amide12) elastomers during the uniaxial stretching: An in situ wide-angle X-ray scattering study. Macromolecular Research, 2012, 20, 725-731.	2.4	26
70	Real-time liquid crystal-based biosensor for urea detection. Analytical Methods, 2014, 6, 5753-5759.	2.7	26
71	In Vitro Anti-Bacterial and Cytotoxic Properties of Silver-Containing Poly(L-lactide-co-glycolide) Nanofibrous Scaffolds. Journal of Nanoscience and Nanotechnology, 2011, 11, 61-65.	0.9	24
72	Synthesis, characterization and photocatalytic activity of silver nanoparticles/amidoxime-modified polyacrylonitrile nanofibers. Fibers and Polymers, 2015, 16, 1870-1875.	2.1	24

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73	Broadband pH-Sensing Organic Transistors with Polymeric Sensing Layers Featuring Liquid Crystal Microdomains Encapsulated by Di-Block Copolymer Chains. ACS Applied Materials & Interfaces, 2016, 8, 23862-23867.	8.0	24
74	Fabrication and Characterization of Collagen-Immobilized Porous PHBV/HA Nanocomposite Scaffolds for Bone Tissue Engineering. Journal of Nanomaterials, 2012, 2012, 1-11.	2.7	23
75	Preparation of QP4VP-b-LCP liquid crystal block copolymer and its application as a biosensor. Analytical and Bioanalytical Chemistry, 2014, 406, 5369-5378.	3.7	23
76	Enhancing light-extraction efficiency of OLEDs with high- and low-refractive-index organicâ€“inorganic hybrid materials. Organic Electronics, 2016, 36, 103-112.	2.6	23
77	Chemically modified graphene oxide/polybenzimidazobenzophenanthroline nanocomposites with improved electrical conductivity. Polymer, 2012, 53, 3937-3945.	3.8	22
78	Structures and alignment of anisotropic liquid crystal particles in a liquid crystal cell. RSC Advances, 2014, 4, 40617-40625.	3.6	22
79	The development of a cholesterol biosensor using a liquid crystal/aqueous interface in a SDS-included Î²-cyclodextrin aqueous solution. Analytica Chimica Acta, 2015, 893, 101-107.	5.4	22
80	pH-Responsive liquid crystal double emulsion droplets prepared using microfluidics. RSC Advances, 2016, 6, 55976-55983.	3.6	22
81	Flexible carbonized cellulose/single-walled carbon nanotube films with high conductivity. Carbohydrate Polymers, 2018, 196, 168-175.	10.2	22
82	The effect of multi-walled carbon nanotubes on the molecular orientation of poly(vinyl alcohol) in drawn composite films. Fibers and Polymers, 2006, 7, 323-327.	2.1	21
83	Adsorption of bromo-phenol blue from an aqueous solution onto thermally modified granular charcoal. Chemical Engineering Research and Design, 2011, 89, 23-28.	5.6	21
84	Polyelectrolytes functionalized nematic liquid crystal-based biosensors: An overview. TrAC - Trends in Analytical Chemistry, 2016, 83, 80-94.	11.4	21
85	Optical Multisensor Array with Functionalized Photonic Droplets by an Interpenetrating Polymer Network for Human Blood Analysis. ACS Applied Materials & Interfaces, 2020, 12, 47342-47354.	8.0	21
86	Synthesis and dipoleâ€“dipole interaction-induced mesomorphic behavior of poly(oxyethylene)s containing (n-octylsulfonyl)alkylthiomethyl or (n-octylsulfonyl)alkylsulfonylmethyl side groups. Polymer, 2003, 44, 7413-7425.	3.8	20
87	The role of ligandâ€“receptor interactions in visual detection of HepG2 cells using a liquid crystal microdroplet-based biosensor. Journal of Materials Chemistry B, 2015, 3, 8659-8669.	5.8	20
88	Synthesis and mesomorphic properties of poly(oxyethylene)s containing alkylsulfonylmethyl or alkylthiomethyl side groups. Polymer, 2002, 43, 7051-7061.	3.8	19
89	Micellar Structures of Poly(styrene-b-4-vinylpyridine)s in THF/Toluene Mixtures and Their Functionalization with Gold. Langmuir, 2008, 24, 9279-9285.	3.5	19
90	Synthesis and micellization of a novel diblock copolymer of poly(N-isopropylacrylamide)-b-SGLCP and its application in stability of 5CB droplets in aqueous medium. Soft Matter, 2011, 7, 780-787.	2.7	19

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91	A monolithic and flexible fluoropolymer film microreactor for organic synthesis applications. Lab on A Chip, 2014, 14, 4270-4276.	6.0	19
92	Liquid crystal-based biosensor with backscattering interferometry: A quantitative approach. Biosensors and Bioelectronics, 2017, 87, 976-983.	10.1	19
93	Mechano-Actuated Light-Responsive Main-Chain Liquid Crystal Elastomers. Macromolecules, 2021, 54, 5397-5409.	4.8	19
94	The structures of poly(oxyethylene)s having sulfone groups in the side chains. Polymer, 2002, 43, 177-183.	3.8	18
95	Effect of nanoclay on the thermal, mechanical, and crystallization behavior of nanofiber webs of nylonâ€6. Polymer Composites, 2012, 33, 192-195.	4.6	18
96	Patterned Photonic Array Based on an Intertwined Polymer Network Functionalized with a Nonenzymatic Moiety for the Visual Detection of Glucose. ACS Applied Materials & Interfaces, 2019, 11, 37434-37441.	8.0	18
97	Optical Properties and Applications of Photonic Shells. ACS Applied Materials & Interfaces, 2019, 11, 20350-20359.	8.0	18
98	Preparation and characterization of nylon 6 compounds using the nylon 6-grafted GO. Macromolecular Research, 2014, 22, 257-263.	2.4	17
99	Preparation of Poly(styrene)-b-poly(acrylic acid)-Coupled Carbon Dots and Their Applications. ACS Applied Materials & Interfaces, 2017, 9, 24169-24178.	8.0	17
100	Poly(acrylic acid) Hydrogel Microspheres for a Metal-Ion Sensor. ACS Sensors, 2021, 6, 1039-1048.	7.8	17
101	Preparation and properties of the singleâ€walled carbon nanotube/cellulose nanocomposites using Nâ€methylmorpholineâ€Nâ€oxide monohydrate. Journal of Applied Polymer Science, 2010, 117, 3588-3594.	2.6	16
102	Liquid crystal-based biosensors using a strong polyelectrolyte-containing block copolymer, poly(4-cyanobiphenyl-4â€²-oxyundecylacrylate)-b-poly(sodium styrene sulfonate). Macromolecular Research, 2014, 22, 888-894.	2.4	16
103	Targeted images of KB cells using folate-conjugated gold nanoparticles. Nanoscale Research Letters, 2015, 10, 5.	5.7	16
104	Slide cover glass immobilized liquid crystal microdroplets for sensitive detection of an IgG antigen. RSC Advances, 2017, 7, 37675-37688.	3.6	16
105	Specific Intracellular Uptake of Herceptin-Conjugated CdSe/ZnS Quantum Dots into Breast Cancer Cells. BioMed Research International, 2014, 2014, 1-9.	1.9	15
106	Functional solid-state photonic droplets with interpenetrating polymer network and their applications to biosensors. Sensors and Actuators B: Chemical, 2021, 329, 129165.	7.8	15
107	A Three-Dimensionally Oriented Texture for Poly(Î±,Î±,Î±â€˛,Î±â€˛-tetrafluoro-p-xylylene). Macromolecules, 1999, 32, 7845-7852.	4.8	14
108	Synthesis and Mesomorphic Properties of Poly(oxyethylene) with [(6-Heptylsulfonyl)hexylthio]methyl Side Groups. Macromolecular Rapid Communications, 2001, 22, 815-819.	3.9	14

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109	Study of the Ordered Structures of Poly(styrene-b-vinyl4pyridine) in a Solution State by Using Small-Angle X-ray Scattering and Generalized Indirect Fourier Transform. Langmuir, 2006, 22, 11369-11375.	3.5	14
110	Deposition of silver nanoparticles on single wall carbon nanotubes via a self assembled block copolymer micelles. Reactive and Functional Polymers, 2009, 69, 552-557.	4.1	14
111	Polypropylene nanocomposite with polypropylene-grafted graphene. Macromolecular Research, 2016, 24, 508-514.	2.4	14
112	Liquid-crystal-based biosensor for detecting Ca2+ in human saliva. Journal of Industrial and Engineering Chemistry, 2019, 74, 193-198.	5.8	14
113	Poly(phenylene sulfide) Graphite Composites with Graphite Nanoplatelets as a Secondary Filler for Bipolar Plates in Fuel Cell Applications. Macromolecular Research, 2020, 28, 1010-1016.	2.4	14
114	Preparation of Asymmetric Porous Janus Particles Using Microfluidics and Directional UV Curing. Particle and Particle Systems Characterization, 2013, 30, 981-988.	2.3	13
115	Preparation, chemical, and thermal characterization of nylon 4/6 copolymers by anionic ring opening polymerization of 2-Pyrrolidone and Îµ-Caprolactam. Fibers and Polymers, 2014, 15, 899-907.	2.1	13
116	Liquid crystal droplets functionalized with charged surfactant and polyelectrolyte for non-specific protein detection. RSC Advances, 2015, 5, 97264-97271.	3.6	13
117	Smart shell membrane prepared by microfluidics with reactive nematic liquid crystal mixture. Sensors and Actuators B: Chemical, 2017, 251, 658-666.	7.8	13
118	Label- and enzyme-free detection of glucose by boronic acid-coupled poly(styrene-b-acrylic acid) at liquid crystal/aqueous interfaces. Analytica Chimica Acta, 2018, 1032, 122-129.	5.4	13
119	Effects of the alkyl side-chain length on the structures of poly[oxy(N-alkylsulfonylmethyl)ethylene]s. Journal of Polymer Science, Part B: Polymer Physics, 2004, 42, 1868-1874.	2.1	12
120	Thermal transitions of the drawn film of a nylon 6/layered silicate nanocomposite. Macromolecular Research, 2005, 13, 156-161.	2.4	12
121	Crystal Structure of Poly(2-cyano-1,4-phenylene terephthalamide). Macromolecules, 2005, 38, 3713-3718.	4.8	12
122	The Preparation and Characterization of the Cross-Linked Spherical, Cylindrical, and Vesicular Micelles of Poly(styrene-b-isoprene) Diblock Copolymers. Langmuir, 2007, 23, 6788-6795.	3.5	12
123	Self-Assembly of dPS-Liquid Crystalline Diblock Copolymer in a Nematic Liquid Crystal Solvent. Macromolecules, 2012, 45, 6168-6175.	4.8	11
124	Synthesis of titania- and silica-polymer hybrid materials and their application as refractive index-matched layers in touch screens. Optical Materials Express, 2015, 5, 690.	3.0	11
125	Poly(phenylene sulfide)-graphite composites for bipolar plates with preferred morphological orientation. Korean Journal of Chemical Engineering, 2019, 36, 2133-2142.	2.7	11
126	Preparation of uniformly sized interpenetrating polymer network polyelectrolyte hydrogel droplets from a solid-state liquid crystal shell. Journal of Industrial and Engineering Chemistry, 2021, 99, 235-245.	5.8	11

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127	Structure of poly (p-phenylenebenzobisoxazole) (PBZO) and poly (p-phenylenebenzobisthiazole) (PBZT) for proton exchange membranes (PEMs) in fuel cells. Polymer, 2004, 45, 49-59.	3.8	10
128	High-Performance Fluorinated Ethylene-Propylene/Graphite Composites Interconnected with Single-Walled Carbon Nanotubes. Macromolecular Research, 2019, 27, 1161-1166.	2.4	10
129	The structure of a cyanobiphenyl side chain liquid crystalline poly(silylenemethylene). Polymer, 2002, 43, 5169-5174.	3.8	9
130	Synthesis of Photocrosslinkable Polymers Using Abietic Acid and Their Characterization. Polymer Journal, 2003, 35, 450-454.	2.7	9
131	The effects of the selectivity of the toluene/ethanol mixture on the micellar and the ordered structures of an asymmetric poly(styrene-b-4-vinylpyridine). Polymer, 2008, 49, 3327-3334.	3.8	9
132	Self-Assembly of Coil/Liquid-Crystalline Diblock Copolymers in a Liquid Crystal Solvent. Macromolecules, 2009, 42, 299-307.	4.8	9
133	Preparation and structure of nylon 4/6 random-copolymer nanofibers. Macromolecular Research, 2012, 20, 810-815.	2.4	9
134	Self-assembly of a liquid crystal ABA triblock copolymer in a nematic liquid crystal solvent. Polymer, 2014, 55, 3995-4002.	3.8	9
135	Realization of transparent conducting networks with high uniformity by spray deposition on flexible substrates. Thin Solid Films, 2017, 638, 367-374.	1.8	9
136	The structure of poly(cyano-p-xylylene). Polymer, 2000, 41, 2937-2945.	3.8	8
137	Photolithographic process of microcapsule sheet for electrophoretic display. Materials Science and Engineering C, 2004, 24, 143-146.	7.3	8
138	Fluorescence Emission of Disperse Red 1 in PS-b-P4VP Micelles Controlled by a Toluene/Ethanol Solvent Mixture. Langmuir, 2009, 25, 13426-13431.	3.5	8
139	Label-Free Detection of Dopamine based on Photoluminescence of Boronic Acid-Functionalized Carbon Dots in Solid-State Polyethylene Glycol Thin Film. Macromolecular Research, 2018, 26, 1150-1159.	2.4	8
140	Synthesis of comb-type polycarbosilanes via nucleophilic substitution reactions on the main-chain silicon atoms. Journal of Polymer Science Part A, 2003, 41, 984-997.	2.3	7
141	Preparation and properties of a poly(2-cyano-1,4-phenylene terephthalamide)/layered silicate nanocomposite. Journal of Applied Polymer Science, 2006, 102, 640-645.	2.6	7
142	In-situ preparation of multi-walled carbon nanotube (MWNT)/cellulose nanocomposites and their physical properties. Fibers and Polymers, 2013, 14, 566-570.	2.1	7
143	Targeting and molecular imaging of HepG2 cells using surface-functionalized gold nanoparticles. Journal of Nanoparticle Research, 2015, 17, 1.	1.9	7
144	Crystal structure evolution of nylon 6/GO graft nanocomposites during heat treatments and cold drawing. Polymer, 2015, 78, 111-119.	3.8	7

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145	Carbon nanotube-induced migration of silver nanowire networks into plastic substrates via Joule heating for high stability. RSC Advances, 2016, 6, 86395-86400.	3.6	7
146	In vitro detection of human breast cancer cells (SK-BR3) using herceptin-conjugated liquid crystal microdroplets as a sensing platform. Biomaterials Science, 2016, 4, 1473-1484.	5.4	7
147	Changes in Characteristics of Patients with Liver Cirrhosis Visiting a Tertiary Hospital over 15 Years: a Retrospective Multi-Center Study in Korea. Journal of Korean Medical Science, 2020, 35, e233.	2.5	7
148	Fluorinated ethyleneâ€“propylene/graphite composites reinforced with silicon carbide for the bipolar plates of fuel cells. International Journal of Hydrogen Energy, 2022, 47, 4090-4099.	7.1	7
149	The structure of poly(di-n-propylsilylenemethylene). Polymer, 2001, 42, 4253-4260.	3.8	6
150	Effect of hydroiodic acid-reduction of graphene oxide on electrical properties of polybenzimidazobenzophenanthroline/graphene oxide nanocomposites. Macromolecular Research, 2013, 21, 1254-1262.	2.4	6
151	Touch sensors based on planar liquid crystal-gated-organic field-effect transistors. AIP Advances, 2014, 4, 097109.	1.3	6
152	Facile in-situ preparation of polyaniline/graphene nanocomposites using methanesulfonic acid. Polymer, 2014, 55, 2928-2935.	3.8	6
153	Preparation of water-dispersible graphene using N-methylmorpholine N-oxide monohydrate and its application for the preparation of nanocomposites using PEDOT. Journal of Materials Chemistry C, 2015, 3, 7105-7117.	5.5	6
154	Ultrasensitive tactile sensors based on planar liquid crystal-gated-organic field-effect transistors with polymeric dipole control layers. RSC Advances, 2015, 5, 56904-56907.	3.6	6
155	Self-assembly of a liquid crystal ABA triblock copolymer in a B-selective organic solvent. Polymer, 2015, 66, 94-99.	3.8	6
156	Physical force-sensitive touch responses in liquid crystal-gated-organic field-effect transistors with polymer dipole control layers. Organic Electronics, 2016, 28, 184-188.	2.6	6
157	Molecular Design Approach for Directed Alignment of Conjugated Polymers. Macromolecules, 2019, 52, 6485-6494.	4.8	6
158	Synthesis of Bioresorbable Poly(Lactic-co-Glycolic Acid)s Through Direct Polycondensation: An Economical Substitute for the Synthesis of Polyglactin via ROP of Lactide and Glycolide. Fibers and Polymers, 2019, 20, 887-895.	2.1	6
159	Transparent UV-blocking photonic film based on reflection of cholesteric liquid crystals. Journal of Molecular Liquids, 2021, 344, 117739.	4.9	6
160	Optical anticounterfeiting photonic bilayer film based on handedness of solid-state helicoidal structure. RSC Advances, 2021, 11, 37498-37503.	3.6	6
161	Crystal Structure of Poly(1,5-naphthalenebenzobisthiazole). Macromolecules, 2005, 38, 1711-1716.	4.8	5
162	Structures of the cylindrical and vesicular micelles of an P4VP-longer asymmetric PS-b-P4VP. Macromolecular Research, 2009, 17, 553-556.	2.4	5

#	Article	IF	Citations
163	Cybotactic nematic phase in main-chain polyesters with bent-core mesogens. Polymer, 2014, 55, 1931-1939.	3.8	5
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