

# Soo-young Park

## List of Publications by Year in descending order

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192  
papers

6,237  
citations

71061

41  
h-index

88593

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. <i>Journal of Membrane Science</i> , 2008, 322, 400-405.	4.1	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. <i>Journal of Membrane Science</i> , 2009, 328, 90-96.	4.1	380
3	Glucose sensing, photocatalytic and antibacterial properties of graphene-ZnO nanoparticle hybrids. <i>Carbon</i> , 2012, 50, 2994-3000.	5.4	275
4	Effect of Chemical Modification of Graphene on Mechanical, Electrical, and Thermal Properties of Polyimide/Graphene Nanocomposites. <i>ACS Applied Materials &amp; Interfaces</i> , 2012, 4, 4623-4630.	4.0	181
5	Preparation of electrospun nanofibers of carbon nanotube/polycaprolactone nanocomposite. <i>Polymer</i> , 2006, 47, 8019-8025.	1.8	172
6	Gelation-induced fluorescence enhancement of benzoxazole-based organogel and its naked-eye fluoride detection. <i>Chemical Communications</i> , 2008, , 2364.	2.2	139
7	Cholesteric Liquid Crystal Droplets for Biosensors. <i>ACS Applied Materials &amp; Interfaces</i> , 2016, 8, 26407-26417.	4.0	130
8	A carbon dot-hemoglobin complex-based biosensor for cholesterol detection. <i>Green Chemistry</i> , 2016, 18, 4245-4253.	4.6	114
9	Preparation and properties of multiwalled carbon nanotube/polycaprolactone nanocomposites. <i>Journal of Applied Polymer Science</i> , 2007, 104, 1957-1963.	1.3	108
10	Glucose Sensor using Liquid-Crystal Droplets Made by Microfluidics. <i>ACS Applied Materials &amp; Interfaces</i> , 2013, 5, 13135-13139.	4.0	107
11	Carbon-dot-based ratiometric fluorescence glucose biosensor. <i>Sensors and Actuators B: Chemical</i> , 2019, 282, 719-729.	4.0	96
12	Preparation of multiwalled carbon nanotube/nylon-6 nanocomposites by <i>in situ</i> polymerization. <i>Journal of Applied Polymer Science</i> , 2007, 106, 3729-3735.	1.3	91
13	Biosensor Array of Interpenetrating Polymer Network with Photonic Film Templated from Reactive Cholesteric Liquid Crystal and Enzyme-immobilized Hydrogel Polymer. <i>Advanced Functional Materials</i> , 2018, 28, 1707562.	7.8	91
14	Graphene oxide/cellulose composite using NMMO monohydrate. <i>Carbohydrate Polymers</i> , 2011, 86, 903-909.	5.1	90
15	Liquid Crystal-Based Proton Sensitive Glucose Biosensor. <i>Analytical Chemistry</i> , 2014, 86, 1493-1501.	3.2	84
16	A liquid-crystal-based DNA biosensor for pathogen detection. <i>Scientific Reports</i> , 2016, 6, 22676.	1.6	78
17	pH-Sensitive nanocargo based on smart polymer functionalized graphene oxide for site-specific drug delivery. <i>Physical Chemistry Chemical Physics</i> , 2013, 15, 5176.	1.3	74
18	Swelling and electroresponsive characteristics of gelatin immobilized onto multi-walled carbon nanotubes. <i>Sensors and Actuators B: Chemical</i> , 2007, 124, 517-528.	4.0	72

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19	Uniaxial Tensile Deformation of Poly( $\epsilon$ -caprolactone) Studied with SAXS and WAXS Techniques Using Synchrotron Radiation. <i>Macromolecules</i> , 2012, 45, 8752-8759.	2.2	71
20	Microfluidic formation of pH responsive 5CB droplets decorated with PAA-b-LCP. <i>Lab on A Chip</i> , 2011, 11, 3493.	3.1	70
21	Miscibility of poly(ethylene terephthalate)/poly(ethylene 2,6-naphthalate) blends by transesterification. <i>Journal of Polymer Science Part A</i> , 1996, 34, 2841-2850.	2.5	69
22	Liquid crystals: emerging materials for use in real-time detection applications. <i>Journal of Materials Chemistry C</i> , 2015, 3, 9038-9047.	2.7	68
23	pH-responsive cholesteric liquid crystal double emulsion droplets prepared by microfluidics. <i>Sensors and Actuators B: Chemical</i> , 2017, 241, 636-643.	4.0	67
24	Multiwalled carbon nanotubes and nanofibers grafted with polyetherketones in mild and viscous polymeric acid. <i>Polymer</i> , 2006, 47, 1132-1140.	1.8	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. <i>Journal of Applied Polymer Science</i> , 2004, 92, 2054-2062.	1.3	63
26	Poly(N-vinyl caprolactam) grown on nanographene oxide as an effective nanocargo for drug delivery. <i>Colloids and Surfaces B: Biointerfaces</i> , 2014, 115, 37-45.	2.5	63
27	General Liquid-crystal droplets produced by microfluidics for urea detection. <i>Sensors and Actuators B: Chemical</i> , 2014, 202, 516-522.	4.0	58
28	In situ Polymerization of Multi-Walled Carbon Nanotube/Nylon-6 Nanocomposites and Their Electrospun Nanofibers. <i>Nanoscale Research Letters</i> , 2009, 4, 39-46.	3.1	57
29	Folate Ligand Anchored Liquid Crystal Microdroplets Emulsion for <i>in Vitro</i> Detection of KB Cancer Cells. <i>Langmuir</i> , 2014, 30, 10668-10677.	1.6	57
30	Poly(acrylic acid)-Grafted Graphene Oxide as an Intracellular Protein Carrier. <i>Langmuir</i> , 2014, 30, 402-409.	1.6	56
31	pH-responsive aqueous/LC interfaces using SGLCP-b-polyacrylic acid block copolymers. <i>Soft Matter</i> , 2010, 6, 1964.	1.2	55
32	Protein detection using aqueous/LC interfaces decorated with a novel polyacrylic acid block liquid crystalline polymer. <i>Soft Matter</i> , 2012, 8, 198-203.	1.2	50
33	Smart Fluorescent Hydrogel Glucose Biosensing Microdroplets with Dual-Mode Fluorescence Quenching and Size Reduction. <i>ACS Applied Materials &amp; Interfaces</i> , 2018, 10, 30172-30179.	4.0	50
34	Specific detection of avidin-biotin binding using liquid crystal droplets. <i>Colloids and Surfaces B: Biointerfaces</i> , 2015, 127, 241-246.	2.5	47
35	Preparation of hydrazine-modified polyacrylonitrile nanofibers for the extraction of metal ions from aqueous media. <i>Journal of Applied Polymer Science</i> , 2011, 121, 869-873.	1.3	46
36	Poly(lactic acid) blends with desired end-use properties by addition of thermoplastic polyester elastomer and MDI. <i>Polymer Bulletin</i> , 2011, 67, 187-198.	1.7	44

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37	Liquid crystal-Based DNA biosensor for myricetin detection. <i>Sensors and Actuators B: Chemical</i> , 2016, 233, 559-565.	4.0	44
38	Through the Spherical Lookingâ€Glass: Asymmetry Enables Multicolored Internal Reflection in Cholesteric Liquid Crystal Shells. <i>Advanced Optical Materials</i> , 2018, 6, 1700923.	3.6	44
39	Three-Dimensional Structure of the Zone-Drawn Film of the Nylon-6/Layered Silicate Nanocomposites. <i>Macromolecules</i> , 2005, 38, 1729-1735.	2.2	43
40	Preparation, swelling and electro-mechano-chemical behaviors of a gelatinâ€chitosan blend membrane. <i>Soft Matter</i> , 2008, 4, 485.	1.2	43
41	Multifaceted thermoresponsive poly(N-vinylcaprolactam) coupled with carbon dots for biomedical applications. <i>Materials Science and Engineering C</i> , 2016, 61, 492-498.	3.8	42
42	Preparation and characterization of multiwalled carbon nanotubes/polyacrylonitrile nanofibers. <i>Journal of Polymer Research</i> , 2010, 17, 535-540.	1.2	41
43	Configuration change of liquid crystal microdroplets coated with a novel polyacrylic acid block liquid crystalline polymer by protein adsorption. <i>Lab on A Chip</i> , 2012, 12, 4553.	3.1	41
44	Direct Fabrication of Freeâ€Standing MOF Superstructures with Desired Shapes by Microâ€Confined Interfacial Synthesis. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 7116-7120.	7.2	41
45	Photonic calcium and humidity array sensor prepared with reactive cholesteric liquid crystal mesogens. <i>Sensors and Actuators B: Chemical</i> , 2019, 298, 126894.	4.0	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. <i>Macromolecules</i> , 2007, 40, 3757-3764.	2.2	38
47	Flexible OLED encapsulated with gas barrier film and adhesive gasket. <i>Synthetic Metals</i> , 2014, 193, 77-80.	2.1	38
48	Shape-Responsive Actuator from a Single Layer of a Liquid-Crystal Polymer. <i>ACS Applied Materials &amp; Interfaces</i> , 2014, 6, 18048-18054.	4.0	38
49	Liquid crystal-based glucose biosensor functionalized with mixed PAA and QP4VP brushes. <i>Biosensors and Bioelectronics</i> , 2015, 68, 404-412.	5.3	37
50	Photonic Springâ€Like Shell Templated from Cholesteric Liquid Crystal Prepared by Microfluidics. <i>Advanced Optical Materials</i> , 2017, 5, 1700243.	3.6	37
51	Unusual thermal relaxation of viscosity-and-shear-induced strain in poly(ether-ketones) synthesized in highly viscous polyphosphoric acid/P2O5 medium. <i>Polymer</i> , 2005, 46, 1543-1552.	1.8	36
52	Bienzyme liquid-crystal-based cholesterol biosensor. <i>Sensors and Actuators B: Chemical</i> , 2015, 220, 508-515.	4.0	36
53	Liquid-crystal droplets functionalized with a non-enzymatic moiety for glucose sensing. <i>Sensors and Actuators B: Chemical</i> , 2018, 257, 579-585.	4.0	35
54	Optical glucose biosensor based on photonic interpenetrating polymer network with solid-state cholesteric liquid crystal and cationic polyelectrolyte. <i>Sensors and Actuators B: Chemical</i> , 2020, 316, 128099.	4.0	35

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55	Structural evolution of graphite oxide during heat treatment. <i>Chemical Physics Letters</i> , 2011, 511, 110-115.	1.2	34
56	Sweat-Based Noninvasive Skin-Patchable Urea Biosensors with Photonic Interpenetrating Polymer Network Films Integrated into PDMS Chips. <i>ACS Sensors</i> , 2020, 5, 3988-3998.	4.0	34
57	Biosensor utilizing a liquid crystal/water interface functionalized with poly(4-cyanobiphenyl-4- $\text{O}$ -undecylacrylate- <i>b</i> -((2-dimethyl amino) ethyl methacrylate)). <i>Colloids and Surfaces B: Biointerfaces</i> , 2014, 121, 400-408.	2.5	33
58	A novel route for the preparation of thermally sensitive core-shell magnetic nanoparticles. <i>Polymer</i> , 2011, 52, 91-97.	1.8	31
59	An in-situ simultaneous SAXS and WAXS survey of PEBA $\text{\AA}$ nanocomposites reinforced with organoclay and POSS during uniaxial deformation. <i>Polymer</i> , 2012, 53, 3360-3367.	1.8	31
60	Fabrication of temperature- and pH-sensitive liquid-crystal droplets with PNIPAM- <i>b</i> -LCP and SDS coatings by microfluidics. <i>Journal of Materials Chemistry B</i> , 2014, 2, 4922-4928.	2.9	31
61	Poly(4-vinyl pyridine)-grafted graphene oxide for drug delivery and antimicrobial applications. <i>Polymer International</i> , 2015, 64, 1660-1666.	1.6	31
62	Glucose biosensor based on GOx/HRP bienzyme at liquid $\text{\AA}$ crystal/aqueous interface. <i>Journal of Colloid and Interface Science</i> , 2015, 457, 281-288.	5.0	31
63	Smart molecular-spring photonic droplets. <i>Materials Horizons</i> , 2017, 4, 633-640.	6.4	31
64	Anti-IgG-anchored liquid crystal microdroplets for label free detection of IgG. <i>Journal of Materials Chemistry B</i> , 2016, 4, 704-715.	2.9	30
65	Photonic Cholesteric Liquid-Crystal Elastomers with Reprogrammable Helical Pitch and Handedness. <i>ACS Applied Materials &amp; Interfaces</i> , 2021, 13, 59275-59287.	4.0	30
66	TiO <sub>2</sub> /amidoxime-modified polyacrylonitrile nanofibers and its application for the photodegradation of methyl blue in aqueous medium. <i>Desalination and Water Treatment</i> , 2015, 54, 3146-3151.	1.0	29
67	A liquid crystal polymer based single layer chemo-responsive actuator. <i>Chemical Communications</i> , 2014, 50, 2030.	2.2	27
68	Structures of Side Chain Liquid Crystalline Poly(silylenemethylene)s. <i>Macromolecules</i> , 2002, 35, 2776-2783.	2.2	26
69	Structural evolution of poly(ether- <i>b</i> -amide) elastomers during the uniaxial stretching: An in situ wide-angle X-ray scattering study. <i>Macromolecular Research</i> , 2012, 20, 725-731.	1.0	26
70	Real-time liquid crystal-based biosensor for urea detection. <i>Analytical Methods</i> , 2014, 6, 5753-5759.	1.3	26
71	<i>In Vitro</i> Anti-Bacterial and Cytotoxic Properties of Silver-Containing Poly(L-lactide-co-glycolide) Nanofibrous Scaffolds. <i>Journal of Nanoscience and Nanotechnology</i> , 2011, 11, 61-65.	0.9	24
72	Synthesis, characterization and photocatalytic activity of silver nanoparticles/amidoxime-modified polyacrylonitrile nanofibers. <i>Fibers and Polymers</i> , 2015, 16, 1870-1875.	1.1	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. <i>ACS Applied Materials &amp; Interfaces</i> , 2016, 8, 23862-23867.	4.0	24
74	Fabrication and Characterization of Collagen-Immobilized Porous PHBV/HA Nanocomposite Scaffolds for Bone Tissue Engineering. <i>Journal of Nanomaterials</i> , 2012, 2012, 1-11.	1.5	23
75	Preparation of QP4VP-b-LCP liquid crystal block copolymer and its application as a biosensor. <i>Analytical and Bioanalytical Chemistry</i> , 2014, 406, 5369-5378.	1.9	23
76	Enhancing light-extraction efficiency of OLEDs with high- and low-refractive-index organic-inorganic hybrid materials. <i>Organic Electronics</i> , 2016, 36, 103-112.	1.4	23
77	Chemically modified graphene oxide/polybenzimidazobenzophenanthroline nanocomposites with improved electrical conductivity. <i>Polymer</i> , 2012, 53, 3937-3945.	1.8	22
78	Structures and alignment of anisotropic liquid crystal particles in a liquid crystal cell. <i>RSC Advances</i> , 2014, 4, 40617-40625.	1.7	22
79	The development of a cholesterol biosensor using a liquid crystal/aqueous interface in a SDS-included $\beta$ -cyclodextrin aqueous solution. <i>Analytica Chimica Acta</i> , 2015, 893, 101-107.	2.6	22
80	pH-Responsive liquid crystal double emulsion droplets prepared using microfluidics. <i>RSC Advances</i> , 2016, 6, 55976-55983.	1.7	22
81	Flexible carbonized cellulose/single-walled carbon nanotube films with high conductivity. <i>Carbohydrate Polymers</i> , 2018, 196, 168-175.	5.1	22
82	The effect of multi-walled carbon nanotubes on the molecular orientation of poly(vinyl alcohol) in drawn composite films. <i>Fibers and Polymers</i> , 2006, 7, 323-327.	1.1	21
83	Adsorption of bromo-phenol blue from an aqueous solution onto thermally modified granular charcoal. <i>Chemical Engineering Research and Design</i> , 2011, 89, 23-28.	2.7	21
84	Polyelectrolytes functionalized nematic liquid crystal-based biosensors: An overview. <i>TrAC - Trends in Analytical Chemistry</i> , 2016, 83, 80-94.	5.8	21
85	Optical Multisensor Array with Functionalized Photonic Droplets by an Interpenetrating Polymer Network for Human Blood Analysis. <i>ACS Applied Materials &amp; Interfaces</i> , 2020, 12, 47342-47354.	4.0	21
86	Synthesis and dipole-dipole interaction-induced mesomorphic behavior of poly(oxyethylene)s containing (n-octylsulfonyl)alkylthiomethyl or (n-octylsulfonyl)alkylsulfonylmethyl side groups. <i>Polymer</i> , 2003, 44, 7413-7425.	1.8	20
87	The role of ligand-receptor interactions in visual detection of HepG2 cells using a liquid crystal microdroplet-based biosensor. <i>Journal of Materials Chemistry B</i> , 2015, 3, 8659-8669.	2.9	20
88	Synthesis and mesomorphic properties of poly(oxyethylene)s containing alkylsulfonylmethyl or alkylthiomethyl side groups. <i>Polymer</i> , 2002, 43, 7051-7061.	1.8	19
89	Micellar Structures of Poly(styrene-b-4-vinylpyridine)s in THF/Toluene Mixtures and Their Functionalization with Gold. <i>Langmuir</i> , 2008, 24, 9279-9285.	1.6	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. <i>Soft Matter</i> , 2011, 7, 780-787.	1.2	19

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91	A monolithic and flexible fluoropolymer film microreactor for organic synthesis applications. <i>Lab on A Chip</i> , 2014, 14, 4270-4276.	3.1	19
92	Liquid crystal-based biosensor with backscattering interferometry: A quantitative approach. <i>Biosensors and Bioelectronics</i> , 2017, 87, 976-983.	5.3	19
93	Mechano-Actuated Light-Responsive Main-Chain Liquid Crystal Elastomers. <i>Macromolecules</i> , 2021, 54, 5397-5409.	2.2	19
94	The structures of poly(oxyethylene)s having sulfone groups in the side chains. <i>Polymer</i> , 2002, 43, 177-183.	1.8	18
95	Effect of nanoclay on the thermal, mechanical, and crystallization behavior of nanofiber webs of nylon-6. <i>Polymer Composites</i> , 2012, 33, 192-195.	2.3	18
96	Patterned Photonic Array Based on an Intertwined Polymer Network Functionalized with a Nonenzymatic Moiety for the Visual Detection of Glucose. <i>ACS Applied Materials &amp; Interfaces</i> , 2019, 11, 37434-37441.	4.0	18
97	Optical Properties and Applications of Photonic Shells. <i>ACS Applied Materials &amp; Interfaces</i> , 2019, 11, 20350-20359.	4.0	18
98	Preparation and characterization of nylon 6 compounds using the nylon 6-grafted GO. <i>Macromolecular Research</i> , 2014, 22, 257-263.	1.0	17
99	Preparation of Poly(styrene)- <i>b</i> -poly(acrylic acid)-Coupled Carbon Dots and Their Applications. <i>ACS Applied Materials &amp; Interfaces</i> , 2017, 9, 24169-24178.	4.0	17
100	Poly(acrylic acid) Hydrogel Microspheres for a Metal-Ion Sensor. <i>ACS Sensors</i> , 2021, 6, 1039-1048.	4.0	17
101	Preparation and properties of the single-walled carbon nanotube/cellulose nanocomposites using <i>N</i> -methylmorpholine- <i>N</i> -oxide monohydrate. <i>Journal of Applied Polymer Science</i> , 2010, 117, 3588-3594.	1.3	16
102	Liquid crystal-based biosensors using a strong polyelectrolyte-containing block copolymer, poly(4-cyanobiphenyl-4'-oxyundecylacrylate)- <i>b</i> -poly(sodium styrene sulfonate). <i>Macromolecular Research</i> , 2014, 22, 888-894.	1.0	16
103	Targeted images of KB cells using folate-conjugated gold nanoparticles. <i>Nanoscale Research Letters</i> , 2015, 10, 5.	3.1	16
104	Slide cover glass immobilized liquid crystal microdroplets for sensitive detection of an IgG antigen. <i>RSC Advances</i> , 2017, 7, 37675-37688.	1.7	16
105	Specific Intracellular Uptake of Herceptin-Conjugated CdSe/ZnS Quantum Dots into Breast Cancer Cells. <i>BioMed Research International</i> , 2014, 2014, 1-9.	0.9	15
106	Functional solid-state photonic droplets with interpenetrating polymer network and their applications to biosensors. <i>Sensors and Actuators B: Chemical</i> , 2021, 329, 129165.	4.0	15
107	A Three-Dimensionally Oriented Texture for Poly( $\hat{1}\pm, \hat{1}\pm\hat{1}\pm\hat{1}\pm\hat{1}\pm$ -tetrafluoro- <i>p</i> -xylylene). <i>Macromolecules</i> , 1999, 32, 7845-7852.	2.2	14
108	Synthesis and Mesomorphic Properties of Poly(oxyethylene) with [(6-Heptylsulfonyl)hexylthio]methyl Side Groups. <i>Macromolecular Rapid Communications</i> , 2001, 22, 815-819.	2.0	14

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109	Study of the Ordered Structures of Poly(styrene- <i>b</i> -vinyl4pyridine) in a Solution State by Using Small-Angle X-ray Scattering and Generalized Indirect Fourier Transform. <i>Langmuir</i> , 2006, 22, 11369-11375.	1.6	14
110	Deposition of silver nanoparticles on single wall carbon nanotubes via a self assembled block copolymer micelles. <i>Reactive and Functional Polymers</i> , 2009, 69, 552-557.	2.0	14
111	Polypropylene nanocomposite with polypropylene-grafted graphene. <i>Macromolecular Research</i> , 2016, 24, 508-514.	1.0	14
112	Liquid-crystal-based biosensor for detecting Ca <sup>2+</sup> in human saliva. <i>Journal of Industrial and Engineering Chemistry</i> , 2019, 74, 193-198.	2.9	14
113	Poly(phenylene sulfide) Graphite Composites with Graphite Nanoplatelets as a Secondary Filler for Bipolar Plates in Fuel Cell Applications. <i>Macromolecular Research</i> , 2020, 28, 1010-1016.	1.0	14
114	Preparation of Asymmetric Porous Janus Particles Using Microfluidics and Directional UV Curing. <i>Particle and Particle Systems Characterization</i> , 2013, 30, 981-988.	1.2	13
115	Preparation, chemical, and thermal characterization of nylon 4/6 copolymers by anionic ring opening polymerization of 2-Pyrrolidone and $\mu$ -Caprolactam. <i>Fibers and Polymers</i> , 2014, 15, 899-907.	1.1	13
116	Liquid crystal droplets functionalized with charged surfactant and polyelectrolyte for non-specific protein detection. <i>RSC Advances</i> , 2015, 5, 97264-97271.	1.7	13
117	Smart shell membrane prepared by microfluidics with reactive nematic liquid crystal mixture. <i>Sensors and Actuators B: Chemical</i> , 2017, 251, 658-666.	4.0	13
118	Label- and enzyme-free detection of glucose by boronic acid-coupled poly(styrene- <i>b</i> -acrylic acid) at liquid crystal/aqueous interfaces. <i>Analytica Chimica Acta</i> , 2018, 1032, 122-129.	2.6	13
119	Effects of the alkyl side-chain length on the structures of poly[oxy(N-alkylsulfonylmethyl)ethylene]s. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2004, 42, 1868-1874.	2.4	12
120	Thermal transitions of the drawn film of a nylon 6/layered silicate nanocomposite. <i>Macromolecular Research</i> , 2005, 13, 156-161.	1.0	12
121	Crystal Structure of Poly(2-cyano-1,4-phenylene terephthalamide). <i>Macromolecules</i> , 2005, 38, 3713-3718.	2.2	12
122	The Preparation and Characterization of the Cross-Linked Spherical, Cylindrical, and Vesicular Micelles of Poly(styrene- <i>b</i> -isoprene) Diblock Copolymers. <i>Langmuir</i> , 2007, 23, 6788-6795.	1.6	12
123	Self-Assembly of dPS-Liquid Crystalline Diblock Copolymer in a Nematic Liquid Crystal Solvent. <i>Macromolecules</i> , 2012, 45, 6168-6175.	2.2	11
124	Synthesis of titania- and silica-polymer hybrid materials and their application as refractive index-matched layers in touch screens. <i>Optical Materials Express</i> , 2015, 5, 690.	1.6	11
125	Poly(phenylene sulfide)-graphite composites for bipolar plates with preferred morphological orientation. <i>Korean Journal of Chemical Engineering</i> , 2019, 36, 2133-2142.	1.2	11
126	Preparation of uniformly sized interpenetrating polymer network polyelectrolyte hydrogel droplets from a solid-state liquid crystal shell. <i>Journal of Industrial and Engineering Chemistry</i> , 2021, 99, 235-245.	2.9	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. <i>Polymer</i> , 2004, 45, 49-59.	1.8	10
128	High-Performance Fluorinated Ethylene-Propylene/Graphite Composites Interconnected with Single-Walled Carbon Nanotubes. <i>Macromolecular Research</i> , 2019, 27, 1161-1166.	1.0	10
129	The structure of a cyanobiphenyl side chain liquid crystalline poly(silylenemethylene). <i>Polymer</i> , 2002, 43, 5169-5174.	1.8	9
130	Synthesis of Photocrosslinkable Polymers Using Abietic Acid and Their Characterization. <i>Polymer Journal</i> , 2003, 35, 450-454.	1.3	9
131	The effects of the selectivity of the toluene/ethanol mixture on the micellar and the ordered structures of an asymmetric poly(styrene- <i>b</i> -4-vinylpyridine). <i>Polymer</i> , 2008, 49, 3327-3334.	1.8	9
132	Self-Assembly of Coil/Liquid-Crystalline Diblock Copolymers in a Liquid Crystal Solvent. <i>Macromolecules</i> , 2009, 42, 299-307.	2.2	9
133	Preparation and structure of nylon 4/6 random-copolymer nanofibers. <i>Macromolecular Research</i> , 2012, 20, 810-815.	1.0	9
134	Self-assembly of a liquid crystal ABA triblock copolymer in a nematic liquid crystal solvent. <i>Polymer</i> , 2014, 55, 3995-4002.	1.8	9
135	Realization of transparent conducting networks with high uniformity by spray deposition on flexible substrates. <i>Thin Solid Films</i> , 2017, 638, 367-374.	0.8	9
136	The structure of poly(cyano- <i>p</i> -xylylene). <i>Polymer</i> , 2000, 41, 2937-2945.	1.8	8
137	Photolithographic process of microcapsule sheet for electrophoretic display. <i>Materials Science and Engineering C</i> , 2004, 24, 143-146.	3.8	8
138	Fluorescence Emission of Disperse Red 1 in PS- <i>b</i> -P4VP Micelles Controlled by a Toluene/Ethanol Solvent Mixture. <i>Langmuir</i> , 2009, 25, 13426-13431.	1.6	8
139	Label-Free Detection of Dopamine based on Photoluminescence of Boronic Acid-Functionalized Carbon Dots in Solid-State Polyethylene Glycol Thin Film. <i>Macromolecular Research</i> , 2018, 26, 1150-1159.	1.0	8
140	Synthesis of comb-type polycarbosilanes via nucleophilic substitution reactions on the main-chain silicon atoms. <i>Journal of Polymer Science Part A</i> , 2003, 41, 984-997.	2.5	7
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