

O Ok Park

List of Publications by Year in descending order

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187
papers

5,349
citations

94433

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docs citations

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times ranked

7391
citing authors

#	ARTICLE	IF	CITATIONS
1	Highly Stretchable and Wearable Graphene Strain Sensors with Controllable Sensitivity for Human Motion Monitoring. <i>ACS Applied Materials & Interfaces</i> , 2015, 7, 6317-6324.	8.0	533
2	Enhancement of Donor-Acceptor Polymer Bulk Heterojunction Solar Cell Power Conversion Efficiencies by Addition of Au Nanoparticles. <i>Angewandte Chemie - International Edition</i> , 2011, 50, 5519-5523.	13.8	334
3	Enhanced Power Conversion Efficiency in PCDTBT/PC ₇₀ BM Bulk Heterojunction Photovoltaic Devices with Embedded Silver Nanoparticle Clusters. <i>Advanced Energy Materials</i> , 2011, 1, 766-770.	19.5	242
4	Rheology and dynamics of immiscible polymer blends. <i>Journal of Rheology</i> , 1994, 38, 1405-1425.	2.6	198
5	Synthesis, characterization and biodegradability of the biodegradable aliphatic-aromatic random copolyesters. <i>Polymer</i> , 2001, 42, 1849-1861.	3.8	152
6	Rheological properties and dispersion stability of magnetorheological (MR) suspensions. <i>Rheologica Acta</i> , 2001, 40, 211-219.	2.4	151
7	Preparation and characterization of poly(hydroxybutyrate-co-hydroxyvalerate)-organoclay nanocomposites. <i>Journal of Applied Polymer Science</i> , 2003, 90, 525-529.	2.6	133
8	High molecular weight bio furan-based co-polyesters for food packaging applications: synthesis, characterization and solid-state polymerization. <i>Green Chemistry</i> , 2016, 18, 5142-5150.	9.0	95
9	Roles of Interlayers in Efficient Organic Photovoltaic Devices. <i>Macromolecular Rapid Communications</i> , 2010, 31, 2095-2108.	3.9	92
10	Gold nanolayer-encapsulated silica particles synthesized by surface seeding and shell growing method: near infrared responsive materials. <i>Journal of Colloid and Interface Science</i> , 2003, 263, 449-453.	9.4	76
11	Enhanced Sensitivity of Patterned Graphene Strain Sensors Used for Monitoring Subtle Human Body Motions. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 11176-11183.	8.0	75
12	Tissue engineering with electrospun electro-responsive chitosan-aniline oligomer/polyvinyl alcohol. <i>International Journal of Biological Macromolecules</i> , 2020, 147, 160-169.	7.5	75
13	Flexible binder-free graphene paper cathodes for high-performance Li-O ₂ batteries. <i>Carbon</i> , 2015, 93, 625-635.	10.3	74
14	Self-gelling electroactive hydrogels based on chitosan-aniline oligomers/agarose for neural tissue engineering with on-demand drug release. <i>Colloids and Surfaces B: Biointerfaces</i> , 2019, 184, 110549.	5.0	74
15	Electroactive bio-epoxy incorporated chitosan-oligoaniline as an advanced hydrogel coating for neural interfaces. <i>Progress in Organic Coatings</i> , 2019, 131, 389-396.	3.9	70
16	Surfactant Effect on the Stability and Electrorheological Properties of Polyaniline Particle Suspension. <i>Journal of Colloid and Interface Science</i> , 1998, 206, 424-438.	9.4	63
17	Solution-processable polymer solar cells from a poly(3-hexylthiophene)/[6,6]-phenyl C ₆₁ -butyric acidmethyl ester concentration graded bilayers. <i>Applied Physics Letters</i> , 2009, 95, 043505.	3.3	62
18	Enhanced High-Temperature Long-Term Stability of Polymer Solar Cells with a Thermally Stable TiO _x Interlayer. <i>Journal of Physical Chemistry C</i> , 2009, 113, 17268-17273.	3.1	60

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19	Size control of highly monodisperse polystyrene particles by modified dispersion polymerization. <i>Macromolecular Research</i> , 2010, 18, 935-943.	2.4	60
20	Polymer light-emitting devices using ionomers as an electron injecting and hole blocking layer. <i>Journal of Applied Physics</i> , 2001, 90, 2128-2134.	2.5	58
21	Enhanced light harvesting in bulk heterojunction photovoltaic devices with shape-controlled Ag nanomaterials: Ag nanoparticles versus Ag nanoplates. <i>RSC Advances</i> , 2012, 2, 7268.	3.6	57
22	Synthesis of Single-Crystalline Hexagonal Graphene Quantum Dots from Solution Chemistry. <i>Nano Letters</i> , 2019, 19, 5437-5442.	9.1	57
23	Effect of electrical annealing on the luminous efficiency of thermally annealed polymer light-emitting diodes. <i>Applied Physics Letters</i> , 2000, 77, 3334-3336.	3.3	53
24	Fabrication of Ordered Nanostructured Arrays Using Poly(dimethylsiloxane) Replica Molds Based on Three-Dimensional Colloidal Crystals. <i>Advanced Functional Materials</i> , 2009, 19, 1594-1600.	14.9	52
25	Properties of poly(ethylene terephthalate) and maleic anhydride-grafted polypropylene blends by reactive processing. <i>Journal of Applied Polymer Science</i> , 1998, 70, 389-395.	2.6	51
26	A new method for mapping the three-dimensional atomic distribution within nanoparticles by atom probe tomography (APT). <i>Ultramicroscopy</i> , 2018, 190, 30-38.	1.9	51
27	Evolution of gold nanoparticles through Catalan, Archimedean, and Platonic solids. <i>CrystEngComm</i> , 2010, 12, 116-121.	2.6	48
28	Rheological properties and stability of magnetorheological fluids using viscoelastic medium and nanoadditives. <i>Korean Journal of Chemical Engineering</i> , 2001, 18, 580-585.	2.7	47
29	High-efficiency polymer light-emitting devices using organic salts: A multilayer structure to improve light-emitting electrochemical cells. <i>Applied Physics Letters</i> , 2002, 81, 214-216.	3.3	46
30	Thermal and mechanical properties of syndiotactic polystyrene/organoclay nanocomposites with different microstructures. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2004, 42, 1685-1693.	2.1	44
31	A new approach to determine rheological percolation of carbon nanotubes in microstructured polymer matrices. <i>Carbon</i> , 2014, 67, 64-71.	10.3	42
32	Graphene paper with controlled pore structure for high-performance cathodes in Li-O ₂ batteries. <i>Carbon</i> , 2016, 100, 265-272.	10.3	42
33	Processabilities and mechanical properties of surlyn-treated starch/LDPE blends. <i>Polymer Engineering and Science</i> , 1995, 35, 1652-1657.	3.1	40
34	Improved asymmetric electrochemical capacitor using Zn-Co co-doped Ni(OH) ₂ positive electrode material. <i>Applied Physics A: Materials Science and Processing</i> , 2006, 82, 593-597.	2.3	40
35	Reproducible Dry Stamping Transfer of PEDOT:PSS Transparent Top Electrode for Flexible Semitransparent Metal Halide Perovskite Solar Cells. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 10527-10534.	8.0	40
36	Synthesis and material properties of syndiotactic polystyrene/organophilic clay nanocomposites. <i>Journal of Applied Polymer Science</i> , 2004, 92, 2144-2150.	2.6	39

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37	Photovoltaic Devices with an Active Layer from a Stamping Transfer Technique: Single Layer Versus Double Layer. <i>Langmuir</i> , 2010, 26, 9584-9588.	3.5	38
38	Thermal Properties of Poly(ethylene 2,6-naphthalate) and Poly(butylene 2,6-naphthalate) Blends. <i>Polymer Journal</i> , 1994, 26, 816-821.	2.7	37
39	Effects of organoclay modification on microstructure and properties of polypropylene-organoclay nanocomposites. <i>Journal of Applied Polymer Science</i> , 2006, 99, 1752-1759.	2.6	37
40	Low vacuum process for polymer solar cells: Effect of TiOx interlayer. <i>Applied Physics Letters</i> , 2008, 92, 143504.	3.3	37
41	Unexpected solid-solid intermixing in a bilayer of poly(3-hexylthiophene) and [6,6]-phenyl C61-butyric acidmethyl ester via stamping transfer. <i>Organic Electronics</i> , 2010, 11, 1376-1380.	2.6	37
42	Enhancement of Photostability in Blue-Light-Emitting Polymers Doped with Gold Nanoparticles. <i>Macromolecular Rapid Communications</i> , 2003, 24, 331-334.	3.9	36
43	Work function optimization of vacuum free top-electrode by PEDOT:PSS/PEI interaction for efficient semi-transparent perovskite solar cells. <i>Solar Energy Materials and Solar Cells</i> , 2018, 176, 435-440.	6.2	36
44	Rheology and microstructures of electrorheological fluids containing both dispersed particles and liquid drops in a continuous phase. <i>Journal of Rheology</i> , 2000, 44, 397-412.	2.6	34
45	Nanocomposite structure depending on the degree of surface treatment of layered silicate. <i>Journal of Applied Polymer Science</i> , 2002, 83, 2143-2147.	2.6	33
46	Miscibilities and rheological properties of poly(butylene succinate)-Poly(butylene terephthalate) blends. <i>Journal of Applied Polymer Science</i> , 1999, 72, 945-951.	2.6	32
47	A High Aspect Ratio Serpentine Structure for Use As a Strain-insensitive, Stretchable Transparent Conductor. <i>Small</i> , 2018, 14, 1702818.	10.0	32
48	Facile fabrication of highly flexible graphene paper for high-performance flexible lithium ion battery anode. <i>RSC Advances</i> , 2015, 5, 3299-3305.	3.6	31
49	Improved environmental stability in poly(p-phenylene vinylene)/layered silicate nanocomposite. <i>Applied Clay Science</i> , 2002, 21, 287-293.	5.2	30
50	Effect of the ordered 2D-dot nano-patterned anode for polymer solar cells. <i>Organic Electronics</i> , 2010, 11, 285-290.	2.6	30
51	Au@Pd nanostructures with tunable morphologies and sizes and their enhanced electrocatalytic activity. <i>CrystEngComm</i> , 2013, 15, 7113.	2.6	30
52	Development of a PP/carbon/CNT composite electrode for the zinc/bromine redox flow battery. <i>Macromolecular Research</i> , 2016, 24, 276-281.	2.4	30
53	Electrical and rheological properties of polyamide 6,6/ γ -ray irradiated multi-walled carbon nanotube composites. <i>Carbon</i> , 2011, 49, 4024-4030.	10.3	29
54	Au@Pd core-shell nanocubes with finely-controlled sizes. <i>CrystEngComm</i> , 2013, 15, 3385.	2.6	29

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55	Capacity Decay Mitigation by Asymmetric Positive/Negative Electrolyte Volumes in Vanadium Redox Flow Batteries. <i>ChemSusChem</i> , 2016, 9, 3181-3187.	6.8	29
56	Facile synthesis of palladium nanodendrites supported on graphene nanoplatelets: an efficient catalyst for low overpotentials in lithium-oxygen batteries. <i>Journal of Materials Chemistry A</i> , 2016, 4, 578-586.	10.3	29
57	Zigzag-Shaped Silver Nanoplates: Synthesis via Ostwald Ripening and Their Application in Highly Sensitive Strain Sensors. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 39134-39143.	8.0	28
58	Effects of UV light-irradiated buffer layer on the performance of polymer solar cells. <i>Organic Electronics</i> , 2009, 10, 1641-1644.	2.6	27
59	An electrochemically grown three-dimensional porous Si@Ni inverse opal structure for high-performance Li ion battery anodes. <i>Journal of Materials Chemistry A</i> , 2014, 2, 6396-6401.	10.3	27
60	Effects of Conductivity and Dielectric Behaviors on the Electrorheological Response of a Semiconductive Poly(p-phenylene) Suspension. <i>Journal of Colloid and Interface Science</i> , 1998, 201, 172-179.	9.4	26
61	Improvement of quantum efficiency in polymer light-emitting diodes by a single-ion conductor. <i>Applied Physics Letters</i> , 2000, 76, 3161-3163.	3.3	26
62	Shape and Feature Size Control of Colloidal Crystal-Based Patterns Using Stretched Polydimethylsiloxane Replica Molds. <i>Langmuir</i> , 2009, 25, 12011-12014.	3.5	25
63	Solution-processable polymer based photovoltaic devices with concentration graded bilayers made via composition control of a poly(3-hexylthiophene)/[6,6]-phenyl C61-butyric acidmethyl ester. <i>Journal of Materials Chemistry</i> , 2010, 20, 4910.	6.7	25
64	Stamping Transfer of a Quantum Dot Interlayer for Organic Photovoltaic Cells. <i>Langmuir</i> , 2012, 28, 9893-9898.	3.5	24
65	A novel preparation method of maleic anhydride grafted syndiotactic polystyrene and its blend performance with nylon6. <i>Polymer Bulletin</i> , 2002, 48, 397-405.	3.3	23
66	Active layer transfer by stamping technique for polymer solar cells: Synergistic effect of TiOx interlayer. <i>Organic Electronics</i> , 2010, 11, 599-603.	2.6	22
67	Analysis of surface morphological changes in organic photovoltaic devices: bilayer versus bulk-heterojunction. <i>Energy and Environmental Science</i> , 2011, 4, 1434.	30.8	21
68	Miscibility and Biodegradability of Poly(Butylene Succinate)/Poly(Butylene Terephthalate) Blends. <i>Journal of Polymers and the Environment</i> , 1999, 7, 53-66.	5.0	20
69	Nonisothermal crystallization behavior of SPS/APS blends. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2000, 38, 3001-3008.	2.1	20
70	On the intrinsic viscosity of anionic and nonionic rodlike polysaccharide solutions. <i>Macromolecular Chemistry and Physics</i> , 1994, 195, 701-711.	2.2	19
71	Robust synthesis of gold rhombic dodecahedra with well-controlled sizes and their optical properties. <i>CrystEngComm</i> , 2013, 15, 252-258.	2.6	19
72	Enhanced Dielectric Constant, Ultralow Dielectric Loss, and High-Strength Imide-Functionalized Graphene Oxide/Hyperbranched Polyimide Nanocomposites. <i>Journal of Physical Chemistry C</i> , 2018, 122, 6555-6565.	3.1	19

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73	Fabrication of a graded-index polymer optical fiber preform by using a centrifugal force. Korean Journal of Chemical Engineering, 2002, 19, 505-509.	2.7	18
74	Hemispherical Arrays of Colloidal Crystals Fabricated by Transfer Printing. Langmuir, 2014, 30, 103-109.	3.5	18
75	Synthesis and characterization of blue light emitting redox-active polyimides bearing a noncoplanar fused carbazole-triphenylamine unit. New Journal of Chemistry, 2016, 40, 5285-5293.	2.8	18
76	Effect of Fiber Length on Mechanical Properties of Injection Molded Long-Fiber-Reinforced Thermoplastics. Macromolecular Research, 2020, 28, 433-444.	2.4	18
77	High electrical conductivity and oxygen barrier property of polymer-stabilized graphene thin films. Carbon, 2017, 125, 492-499.	10.3	17
78	Photorefractive properties in poly(N-vinylcarbazole)/CdSe nanocomposites through chemical hybridization. Applied Physics Letters, 2006, 89, 193101.	3.3	16
79	Effects of ligand exchanged CdSe quantum dot interlayer for inverted organic solar cells. Organic Electronics, 2015, 25, 44-49.	2.6	16
80	Enhancing the dielectric properties of highly compatible new polyimide/ β -ray irradiated MWCNT nanocomposites. RSC Advances, 2015, 5, 71183-71189.	3.6	16
81	Optical properties and characteristics of the cdse nanoparticles synthesized at room temperature. Korean Journal of Chemical Engineering, 2002, 19, 529-533.	2.7	15
82	Observation of the photorefractive behaviors in the polymer nanocomposite based on p-PMEH-PPV/CdSe-nanoparticle matrix. Optical Materials, 2003, 21, 365-371.	3.6	15
83	Mechanical and thermal properties of poly(vinyl chloride)/methylstyreneacrylonitrile blends prepared by melt extrusion. Journal of Applied Polymer Science, 2009, 111, 237-245.	2.6	15
84	Novel microlens arrays with embedded Al_2O_3 nanoparticles for enhancing efficiency and stability of flexible polymer light-emitting diodes. RSC Advances, 2016, 6, 65450-65458.	3.6	15
85	Facile Synthesis of Composition-Controlled Graphene-Supported PtPd Alloy Nanocatalysts and Their Applications in Methanol Electro-Oxidation and Lithium-Oxygen Batteries. Chemistry - A European Journal, 2017, 23, 17136-17143.	3.3	15
86	Effects of chemical reactions on the properties of polycarbonate/liquid crystalline polymer blends. Journal of Applied Polymer Science, 1999, 73, 2123-2133.	2.6	14
87	Three-dimensional self-assembly by ice crystallization. Applied Physics Letters, 2002, 80, 4133-4135.	3.3	14
88	New approach for nanoscale morphology of polymer solar cells. Solar Energy Materials and Solar Cells, 2008, 92, 1188-1191.	6.2	14
89	Enhanced performance of blue polymer light-emitting diodes by incorporation of Ag nanoparticles through the ligand-exchange process. Journal of Materials Chemistry C, 2016, 4, 10445-10452.	5.5	14
90	Electrically bistable Ag nanocrystal-embedded metal-organic framework microneedles. RSC Advances, 2016, 6, 64885-64889.	3.6	14

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91	Computer-aided phase modulated flow birefringence experiment on polystyrene solutions. Korean Journal of Chemical Engineering, 1989, 6, 23-29.	2.7	13
92	Effect of diblock copolymers on morphology and mechanical properties for syndiotactic polystyrene/ethylene-propylene copolymer blends. Journal of Applied Polymer Science, 2004, 91, 3618-3626.	2.6	13
93	Influence of acrylonitrile content in styrene-acrylonitrile copolymer on the phase morphology and interfacial tension in blends of polycarbonate/styrene-acrylonitrile copolymer. Macromolecular Research, 2014, 22, 146-153.	2.4	13
94	Morphology control and temporal growth of a continuous silver shell on core-shell spheres. CrystEngComm, 2014, 16, 5142.	2.6	13
95	Synergistic effect of carbon nanotubes on the flame retardancy of poly(methyl methacrylate)/zinc oxalate nanocomposites. Macromolecular Research, 2016, 24, 777-781.	2.4	13
96	Microstructure and rheological behavior of block copolymer/clay nanocomposites. Korean Journal of Chemical Engineering, 2001, 18, 21-25.	2.7	12
97	Enhanced charge collection via nanoporous morphology in polymer solar cells. Applied Physics Letters, 2010, 96, 103304.	3.3	12
98	Hot embossing of polymeric nanostructures using poly(dimethylsiloxane) replica molds based on three-dimensional colloidal crystals. Microelectronic Engineering, 2012, 91, 121-126.	2.4	12
99	An investigation of physico-chemical properties of a new polyimide-silica composites. RSC Advances, 2014, 4, 46587-46594.	3.6	12
100	Effect of annealing on the morphology of porous polypropylene hollow fiber membranes. Macromolecular Research, 2014, 22, 618-623.	2.4	12
101	Synthesis and Photophysical Study of New Green Fluorescent TPA Based Poly(azomethine)s. Journal of Fluorescence, 2017, 27, 2177-2186.	2.5	12
102	Electrohydrodynamics of Rigid Macromolecules with Permanent and Induced Dipole Moments. Journal of Rheology, 1988, 32, 511-531.	2.6	11
103	Carrier mobilities of polymer/organo-clay nanocomposite electroluminescent devices. Thin Solid Films, 2001, 393, 347-351.	1.8	11
104	Fabrication of a graded-index polymer optical fiber preform without a cavity by inclusion of an additional monomer under a centrifugal force field. Applied Optics, 2002, 41, 1858.	2.1	11
105	Extrusion coating performances of iPP/LDPE blends. Journal of Applied Polymer Science, 2009, 111, 3121-3127.	2.6	11
106	Fluorescent, electroactive, thermally stable triphenylamine- and naphthalene-based polyimides for optoelectronic applications. Journal of Applied Polymer Science, 2017, 134, .	2.6	11
107	Flow and dynamic behavior of dilute polymer solutions in hydrodynamic chromatography. Korean Journal of Chemical Engineering, 1990, 7, 126-137.	2.7	10
108	The role of non-solvent swelling in bulk hetero junction solar cells. Solar Energy Materials and Solar Cells, 2012, 102, 196-200.	6.2	10

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109	Preparation and characterization of novel polyimide-silica hybrids. <i>Polymers for Advanced Technologies</i> , 2013, 24, 407-414.	3.2	10
110	Enhanced performance and mechanical durability of a flexible solar cell from the dry transfer of PEDOT:PSS with polymer nanoparticles. <i>Journal of Materials Chemistry C</i> , 2018, 6, 4106-4113.	5.5	10
111	Effects of Crystallinity and Molecular Weight on the Melting Behavior and Cell Morphology of Expanded Polypropylene in Bead Foam Manufacturing. <i>Macromolecular Research</i> , 2020, 28, 343-350.	2.4	10
112	Preferential positioning of $\hat{\text{I}}^3$ -ray treated multi-walled carbon nanotubes in polyamide 6,6/poly(p-phenylene ether) blends. <i>Macromolecular Research</i> , 2013, 21, 356-361.	2.4	9
113	Vacuum-process-based dry transfer of active layer with solvent additive for efficient organic photovoltaic devices. <i>Journal of Materials Chemistry C</i> , 2017, 5, 1106-1112.	5.5	9
114	Steady Shear and Viscoelastic Behaviors of Polyaniline Suspension as an Electrorheological Fluid. <i>Nihon Reorogi Gakkaishi</i> , 1996, 24, 57-62.	1.0	9
115	Development of a computational model to predict blend morphology in a twin-screw extruder. <i>Advances in Polymer Technology</i> , 1998, 17, 203-215.	1.7	8
116	Preparation and characterization of syndiotactic polystyrene/ethylene-propylene copolymer blends. <i>Journal of Applied Polymer Science</i> , 2002, 85, 2084-2091.	2.6	8
117	Effect of multifunctional comonomers on the properties of poly(ethylene terephthalate) copolymers. <i>Polymer International</i> , 2002, 51, 134-139.	3.1	8
118	Reorientation of colloidal crystalline domains by a thinning meniscus. <i>Macromolecular Research</i> , 2004, 12, 189-194.	2.4	8
119	Properties of isotactic polypropylene/atactic polypropylene blends. <i>Macromolecular Research</i> , 2015, 23, 809-813.	2.4	8
120	Effect of alicyclic monomers on thermal properties of transparent biodegradable polyesters. <i>Macromolecular Research</i> , 2016, 24, 609-616.	2.4	8
121	Enhanced quantum efficiency in polymer/layered silicate nanocomposite light-emitting devices. <i>Synthetic Metals</i> , 2001, 121, 1737-1738.	3.9	7
122	WHITE-ELECTROLUMINESCENCE DEVICE BASED ON POLYMER/QUANTUM DOT NANOCOMPOSITES. <i>Journal of Nonlinear Optical Physics and Materials</i> , 2005, 14, 481-486.	1.8	7
123	Comparison of mechanical properties of blended and synthesized biodegradable polyesters. <i>Macromolecular Research</i> , 2014, 22, 382-387.	2.4	7
124	Size-controlled gold nano-tetradecapods with tunable optical and electromagnetic properties. <i>Journal of Materials Chemistry C</i> , 2016, 4, 3149-3156.	5.5	7
125	Effects of Chemical Reactions on the Properties of Copolyesters Made from Poly(ethylene) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 2.7 6	2.7	6
126	Electrorheological responses of particulate suspensions and emulsions in a small-strain dynamic shear flow: Viscoelasticity and yielding phenomena. <i>Korean Journal of Chemical Engineering</i> , 2001, 18, 54-60.	2.7	6

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127	Multiple-layered colloidal assemblies via dipping method with an external electric field. <i>Macromolecular Research</i> , 2003, 11, 110-114.	2.4	6
128	Enhanced photo-stability of conjugated polymer nanocomposites doped with functionalized nanoparticles. <i>Optical Materials</i> , 2003, 21, 585-589.	3.6	6
129	Poly(propylene)-grafted thermally reduced graphene oxide and its compatibilization effect on poly(propylene)-graphene nanocomposites. <i>RSC Advances</i> , 2016, 6, 87828-87835.	3.6	6
130	Hydrophilic polyurethane acrylate and its physical property for efficient fabrication of organic photovoltaic cells via stamping transfer. <i>Organic Electronics</i> , 2016, 31, 295-302.	2.6	6
131	Configuration Control of Liquid Crystal in the Droplet Dispersed in the Polymer with Mesogenic Side Group. <i>Molecular Crystals and Liquid Crystals</i> , 1995, 267, 41-46.	0.3	5
132	The behavior of velocity enhancement in microcapillary flows of flexible water-soluble polymers.. <i>Journal of Chemical Engineering of Japan</i> , 1996, 29, 611-619.	0.6	5
133	Preparation of the anhydride terminated polycarbonate and its reactive compatibilization with polystyrene. <i>Journal of Applied Polymer Science</i> , 2000, 77, 1338-1347.	2.6	5
134	Photoluminescence characteristics of a highly soluble fullerene-containing polymer. <i>Macromolecular Research</i> , 2002, 10, 278-281.	2.4	5
135	Synthesis of poly(3,4-ethylenedioxythiophene) : poly(styrene sulfonate)-capped silver nanoparticles and their application to blue polymer light-emitting diodes. <i>Korean Journal of Chemical Engineering</i> , 2015, 32, 534-539.	2.7	5
136	4-quinolin-8-yloxy Linked Triphenylamine Based Polyimides: Blue Light Emissive and Potential Hole-Transport Materials. <i>Journal of Fluorescence</i> , 2018, 28, 311-321.	2.5	5
137	Study on the lubrication approximation for power law fluids. <i>Korean Journal of Chemical Engineering</i> , 1989, 6, 150-153.	2.7	4
138	Quantitative analysis on swelling behavior of HSMA/PVA IPN ionic gels under electric field. <i>Korean Journal of Chemical Engineering</i> , 1994, 11, 104-110.	2.7	4
139	Photoalignment Mechanism of Liquid Crystals on Poly(vinyl cinnamate) Surfaces. <i>Molecular Crystals and Liquid Crystals</i> , 1998, 317, 245-258.	0.3	4
140	Experimental electrohydrodynamics of poly(β -Benzyl-L-Glutamate) in M-Cresol solution subjected to shear flow and electric fields. <i>Korean Journal of Chemical Engineering</i> , 1999, 16, 265-273.	2.7	4
141	Luminescent Spectral Changes in Polymer Light-Emitting Diodes after Heat Treatments. <i>Molecular Crystals and Liquid Crystals</i> , 2000, 349, 451-454.	0.3	4
142	Determination of molecular weight and its distribution of rigid-rod polymers determined by phase-modulated flow birefringence technique. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2000, 38, 509-515.	2.1	4
143	Morphology evolution in PS/LDPE blends in a twin screw extruder: Effects of compatibilizer. <i>Korean Journal of Chemical Engineering</i> , 2001, 18, 33-39.	2.7	4
144	Generation of graded index profile of poly(methyl methacrylate) by a photochemical reaction. <i>Macromolecular Research</i> , 2003, 11, 236-240.	2.4	4

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145	Synthesis of highly monodisperse silica particles by addition of anionic surfactants. <i>Macromolecular Research</i> , 2010, 18, 321-323.	2.4	4
146	In situ synthesis of gold nanocrystal-embedded poly(dimethylsiloxane) films with nanostructured surface patterns. <i>Microelectronic Engineering</i> , 2017, 179, 1-6.	2.4	4
147	Low-Haze Microlens Arrays with Nano-Pores Fabricated with PMMA Particles for Flexible Polymer Light-Emitting Diodes. <i>Journal of Nanoscience and Nanotechnology</i> , 2017, 17, 5810-5813.	0.9	4
148	Electroactive Polyimides: Synthesis, Characterization and Photophysics. <i>Polymer-Plastics Technology and Engineering</i> , 2017, 56, 899-905.	1.9	4
149	Birefringence measurement on the liquid crystal by phase modulation technique. <i>Korean Journal of Chemical Engineering</i> , 1990, 7, 18-21.	2.7	3
150	Transient flow birefringence of calf skin collagen solutions.. <i>Journal of Chemical Engineering of Japan</i> , 1992, 25, 243-250.	0.6	3
151	White Emission from a Polymer Blend Light-Emitting Diode by Incomplete Cascade Energy Transfer. <i>Molecular Crystals and Liquid Crystals</i> , 2001, 371, 435-438.	0.3	3
152	Fabrication and characterization of nanostructured poly(p-phenylene vinylene)-layered silicate materials. <i>Optical Materials</i> , 2003, 21, 187-190.	3.6	3
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