Hyoung Jin Choi

List of Publications by Year
in descending order

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		14653	32838
641	18,943	66	100
papers	citations	h-index	g-index

646	646	646	10573
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Magnetorheology: materials and application. Soft Matter, 2010, 6, 5246.	2.7	410
2	Electrorheology of polymers and nanocomposites. Soft Matter, 2009, 5, 1562.	2.7	283
3	Synthesis and Dispersion Characteristics of Multi-Walled Carbon Nanotube Composites with Poly(methyl methacrylate) Prepared by In-Situ Bulk Polymerization. Macromolecular Rapid Communications, 2003, 24, 1070-1073.	3.9	272
4	Shear stress analysis of a semiconducting polymer based electrorheological fluid system. Polymer, 2005, 46, 11484-11488.	3.8	237
5	Nanofibrous Membranes Prepared by Multiwalled Carbon Nanotube/Poly(methyl methacrylate) Composites. Macromolecules, 2004, 37, 9899-9902.	4.8	223
6	Electrorheological fluids: smart soft matter and characteristics. Soft Matter, 2012, 8, 11961.	2.7	223
7	Synthesis and electrorheological properties of polyaniline-Na+-montmorillonite suspensions. Macromolecular Rapid Communications, 1999, 20, 450-452.	3.9	215
8	Enhanced Piezoelectric Properties of Electrospun Poly(vinylidene fluoride)/Multiwalled Carbon Nanotube Composites Due to High Î²-Phase Formation in Poly(vinylidene fluoride). Journal of Physical Chemistry C, 2013, 117, 11791-11799.	3.1	195
9	Synthesis and electrical properties of polymer composites with polyaniline nanoparticles. Materials Science and Engineering C, 2004, 24, 15-18.	7.3	190
10	Synthesis and Rheology of Intercalated Polystyrene/Na+-Montmorillonite Nanocomposites. Macromolecular Rapid Communications, 2002, 23, 191-195.	3.9	184
11	Colloidal graphene oxide/polyaniline nanocomposite and its electrorheology. Chemical Communications, 2010, 46, 5596.	4.1	181
12	Enhanced oil recovery performance and viscosity characteristics of polysaccharide xanthan gum solution. Journal of Industrial and Engineering Chemistry, 2015, 21, 741-745.	5.8	167
13	Physical characteristics of magnetorheological suspensions and their applications. Journal of Industrial and Engineering Chemistry, 2013, 19, 394-406.	5.8	166
14	Rheology and polymer flooding characteristics of partially hydrolyzed polyacrylamide for enhanced heavy oil recovery. Journal of Applied Polymer Science, 2013, 127, 4833-4839.	2.6	157
15	Magnetorheology of soft magnetic carbonyl iron suspension with single-walled carbon nanotube additive and its yield stress scaling function. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2009, 351, 46-51.	4.7	154
16	Coreâ€“Shell Structured Carbonyl Iron Microspheres Prepared via Dual-Step Functionality Coatings and Their Magnetorheological Response. ACS Applied Materials & Interfaces, 2011, 3, 3487-3495.	8.0	149
17	Magnetorheological characterization of carbonyl iron based suspension stabilized by fumed silica. Journal of Magnetism and Magnetic Materials, 2004, 282, 170-173.	2.3	148
18	Silica-Graphene Oxide Hybrid Composite Particles and Their Electroresponsive Characteristics. Langmuir, 2012, 28, 7055-7062.	3.5	148

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19	Carbon Nanotube-Adsorbed Polystyrene and Poly(methyl methacrylate) Microspheres. Chemistry of Materials, 2005, 17, 4034-4037.	6.7	146
20	Graphene oxide coated coreâ€“shell structured polystyrene microspheres and their electrorheological characteristics under applied electric field. Journal of Materials Chemistry, 2011, 21, 6916.	6.7	145
21	Preparation and Rheological Characteristics of Solvent-Cast Poly(ethylene oxide)/Montmorillonite Nanocomposites. Macromolecular Rapid Communications, 2001, 22, 320-325.	3.9	140
22	Emulsion polymerized polyaniline synthesized with dodecylbenzene-sulfonic acid and its electrorheological characteristics: Temperature effect. Polymer, 2007, 48, 6622-6631.	3.8	137
23	Role of organic coating on carbonyl iron suspended particles in magnetorheological fluids. Journal of Applied Physics, 2005, 97, 10Q912.	2.5	128
24	Magnetic carbonyl iron/natural rubber composite elastomer and its magnetorheology. Composite Structures, 2016, 136, 106-112.	5.8	126
25	Preparation and Interaction Characteristics of Organically Modified Montmorillonite Nanocomposite with Miscible Polymer Blend of Poly(Ethylene Oxide) and Poly(Methyl Methacrylate). Chemistry of Materials, 2002, 14, 1989-1994.	6.7	125
26	Characteristics and applications of magnetized water as a green technology. Journal of Cleaner Production, 2017, 161, 908-921.	9.3	123
27	Coreâ^'Shell Structured Semiconducting PMMA/Polyaniline Snowman-like Anisotropic Microparticles and Their Electrorheology. Langmuir, 2010, 26, 12849-12854.	3.5	122
28	Pickering-Emulsion-Polymerized Polystyrene/Fe₂O₃ Composite Particles and Their Magnetoresponsive Characteristics. Langmuir, 2013, 29, 4959-4965.	3.5	122
29	Sequential Coating of Magnetic Carbonyliron Particles with Polystyrene and Multiwalled Carbon Nanotubes and Its Effect on Their Magnetorheology. ACS Applied Materials & Interfaces, 2010, 2, 54-60.	8.0	114
30	Synthesis of coreâ€“shell structured PS/Fe3O4 microbeads and their magnetorheology. Polymer, 2009, 50, 2290-2293.	3.8	111
31	Electrorheology of Graphene Oxide. ACS Applied Materials & Interfaces, 2012, 4, 2267-2272.	8.0	109
32	Recent development of electro-responsive smart electrorheological fluids. Soft Matter, 2019, 15, 3473-3486.	2.7	107
33	Preparation and rheological characterization of intercalated polystyrene/organophilic montmorillonite nanocomposite. Journal of Applied Polymer Science, 2003, 87, 2106-2112.	2.6	100
34	Bulk polymerized polystyrene in the presence of multiwalled carbon nanotubes. Colloid and Polymer Science, 2007, 285, 593-598.	2.1	97
35	Smart monodisperse polystyrene/polyaniline coreâ€“shell structured hybrid microspheres fabricated by a controlled releasing technique and their electro-responsive characteristics. Journal of Materials Chemistry, 2011, 21, 17396.	6.7	96
36	SO3H-dendrimer functionalized magnetic nanoparticles (Fe3O4@D NH (CH2)4SO3H): Synthesis, characterization and its application as a novel and heterogeneous catalyst for the one-pot synthesis of polyfunctionalized pyrans and polyhydroquinolines. Polyhedron, 2019, 162, 129-141.	2.2	96

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37	Morphological and rheological characterization of multi-walled carbon nanotube/PLA/PBAT blend nanocomposites. Polymer Bulletin, 2009, 63, 125-134.	3.3	91
38	Magnetic composites of conducting polyaniline/nano-sized magnetite and their magnetorheology. Materials Letters, 2008, 62, 2897-2899.	2.6	87
39	Magnetic carbonyl iron nanoparticle based magnetorheological suspension and its characteristics. Materials Letters, 2009, 63, 1350-1352.	2.6	87
40	Fabrication of semiconducting graphene oxide/polyaniline composite particles and their electrorheological response under an applied electric field. Carbon, 2012, 50, 290-296.	10.3	87
41	Fast and facile fabrication of a graphene oxide/titania nanocomposite and its electro-responsive characteristics. Chemical Communications, 2011, 47, 12286.	4.1	85
42	Searching for a Stable Highâ€Performance Magnetorheological Suspension. Advanced Materials, 2018, 30, e1704769.	21.0	85
43	Electrorheological characteristics of phosphate cellulose-based suspensions. Polymer, 2001, 42, 5005-5012.	3.8	84
44	Synthesis and electrorheological characteristics of SANâ€“clay composite suspensions. Polymer, 2000, 41, 1229-1231.	3.8	83
45	Silica nanoparticle decorated polyaniline nanofiber and its electrorheological response. Soft Matter, 2011, 7, 2782.	2.7	82
46	Pickering emulsion-fabricated polystyreneâ€“graphene oxide microspheres and their electrorheology. Journal of Materials Chemistry C, 2014, 2, 7541.	5.5	82
47	Magnetic field intensity effect on plane electric capacitor characteristics and viscoelasticity of magnetorheological elastomer. Colloid and Polymer Science, 2012, 290, 1115-1122.	2.1	80
48	Turbulent Drag Reduction and Degradation of DNA. Physical Review Letters, 2002, 89, 088302.	7.8	79
49	Electrorheology of Multiwalled Carbon Nanotube/Poly(methyl methacrylate) Nanocomposites. Macromolecular Rapid Communications, 2005, 26, 1563-1566.	3.9	79
50	Viscoelasticity of biodegradable polymer blends of poly(3-hydroxybutyrate) and poly(ethylene oxide). Polymer, 2001, 42, 5737-5742.	3.8	78
51	Coreâ€“shell-structured silica-coated magnetic carbonyl iron microbead and its magnetorheology with anti-acidic characteristics. Colloid and Polymer Science, 2011, 289, 1295-1298.	2.1	77
52	Magnetorheology of Coreâ€“Shell Structured Carbonyl Iron/Polystyrene Foam Microparticles Suspension with Enhanced Stability. Macromolecules, 2015, 48, 7311-7319.	4.8	77
53	Modified silane-coated carbonyl iron/natural rubber composite elastomer and its magnetorheological performance. Composite Structures, 2017, 160, 1020-1026.	5.8	77
54	Mechanical degradation of dilute polymer solutions under turbulent flow. Polymer, 2000, 41, 7611-7615.	3.8	74

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55	Preparation of polyaniline coated poly(methyl methacrylate) microsphere by graft polymerization and its electrorheology. Polymer, 2005, 46, 1317-1321.	3.8	74
56	Magnetic carbonyl iron suspension with organoclay additive and its magnetorheological properties. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2011, 377, 103-109.	4.7	74
57	Dispersion study of nanofibrillated cellulose based poly(butylene adipate-co-terephthalate) composites. Carbohydrate Polymers, 2014, 102, 537-542.	10.2	73
58	Magnetiteâ€“polypyrrole coreâ€“shell structured microspheres and their dual stimuli-response under electric and magnetic fields. Journal of Materials Chemistry C, 2015, 3, 3150-3158.	5.5	73
59	Solidlike transition of melt-intercalated biodegradable polymer/clay nanocomposites. Journal of Polymer Science, Part B: Polymer Physics, 2003, 41, 2052-2061.	2.1	72
60	Synthesis and electrorheological characterization of emulsion-polymerized dodecylbenzenesulfonic acid doped polyaniline-based suspensions. Colloid and Polymer Science, 2000, 278, 894-898.	2.1	71
61	Drag-reduction effectiveness of xanthan gum in a rotating disk apparatus. Carbohydrate Polymers, 2001, 45, 61-68.	10.2	71
62	Magnetorheological characterization of carbonyl iron-organoclay suspensions. IEEE Transactions on Magnetics, 2005, 41, 3745-3747.	2.1	70
63	Fabrication of polyaniline coated iron oxide hybrid particles and their dual stimuli-response under electric and magnetic fields. EXPRESS Polymer Letters, 2015, 9, 736-743.	2.1	70
64	Magnetorheology of Carbonyl-Iron Suspensions With Submicron-Sized Filler. IEEE Transactions on Magnetics, 2004, 40, 3033-3035.	2.1	69
65	PREPARATION AND ELECTRO-THERMOCONDUCTIVE CHARACTERISTICS OF MAGNETORHEOLOGICAL SUSPENSIONS. International Journal of Modern Physics B, 2008, 22, 5041-5064.	2.0	68
66	Novel architecture of carbon nanotube decorated poly(methyl methacrylate) microbead vapour sensors assembled by spray layer by layer. Journal of Materials Chemistry, 2011, 21, 4142.	6.7	67
67	Soft magnetic carbonyl iron microsphere dispersed in grease and its rheological characteristics under magnetic field. Colloid and Polymer Science, 2011, 289, 381-386.	2.1	67
68	Synthesis and electrorheology of camphorsulfonic acid doped polyaniline suspensions. Colloid and Polymer Science, 2001, 279, 823-827.	2.1	66
69	Effect of Magnetic Nanoparticle Additive on Characteristics of Magnetorheological Fluid. IEEE Transactions on Magnetics, 2009, 45, 4045-4048.	2.1	66
70	Effect of polymerization temperature on polyaniline based electrorheological suspensions. Colloid and Polymer Science, 1999, 277, 73-76.	2.1	65
71	Microencapsulated polyaniline particles for electrorheological materials. Journal of Materials Science Letters, 2000, 19, 533-535.	0.5	65
72	SYNTHESIS AND ELECTRORHEOLOGICAL CHARACTERIZATION OF POLYANILINE AND NA+-MONTMORILLONITE CLAY NANOCOMPOSITE. International Journal of Modern Physics B, 2001, 15, 657-664.	2.0	65

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73	Polymer blend/organoclay nanocomposite with poly(ethylene oxide) and poly(methyl methacrylate). European Polymer Journal, 2005, 41, 679-685.	5.4	65
74	Sonochemical Preparation of Polymer Nanocomposites. Molecules, 2009, 14, 2095-2110.	3.8	65
75	Crystallization behavior and mechanical properties of poly(ethylene oxide)/poly(L-lactide)/poly(vinyl) Tj ETQq1 1 0.784314 rgBT /Over	2.6	63
76	Graphene oxide based smart fluids. Soft Matter, 2014, 10, 6601.	2.7	63
77	Rheology and Physical Characteristics of Synthetic Biodegradable Aliphatic Polymer Blends Dispersed with MWNTs. Macromolecular Materials and Engineering, 2010, 295, 320-328.	3.6	62
78	Core-shell structured Fe3O4@SiO2 nanoparticles fabricated by solâ€“gel method and their magnetorheology. Colloid and Polymer Science, 2016, 294, 647-655.	2.1	62
79	Effect of a hard magnetic particle additive on rheological characteristics of microspherical carbonyl iron-based magnetorheological fluid. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2016, 506, 812-820.	4.7	59
80	Phosphorylation of Potato Starch and Its Electrorheological Suspension. Biomacromolecules, 2005, 6, 2182-2188.	5.4	58
81	The role of acidic m-cresol in polyaniline doped by camphorsulfonic acid. Polymer, 2009, 50, 4372-4377.	3.8	57
82	Two-layer coating with polymer and carbon nanotube on magnetic carbonyl iron particle and its magnetorheology. Colloid and Polymer Science, 2010, 288, 359-363.	2.1	57
83	An experimental study on enhanced oil recovery utilizing nanoparticle ferrofluid through the application of a magnetic field. Journal of Industrial and Engineering Chemistry, 2018, 58, 319-327.	5.8	57
84	Magnetorheological Elastomers: Fabrication, Characteristics, and Applications. Materials, 2020, 13, 4597.	2.9	56
85	Rheological study on poly-D(-)(3-hydroxybutyrate) and its blends with poly(ethylene oxide). Polymer Engineering and Science, 1995, 35, 1636-1642.	3.1	55
86	Potential aspect of rice husk biomass in Australia for nanocrystalline cellulose production. Chinese Journal of Chemical Engineering, 2018, 26, 465-476.	3.5	54
87	Carbonyl iron particles dispersed in a polymer solution and their rheological characteristics under applied magnetic field. Journal of Industrial and Engineering Chemistry, 2012, 18, 664-667.	5.8	53
88	Rheological analysis of magnetite added carbonyl iron based magnetorheological fluid. Journal of Magnetism and Magnetic Materials, 2017, 444, 161-167.	2.3	53
89	Organic/inorganic hybrid of polyaniline/BaTiO3 composites and their electrorheological and dielectric characteristics. Journal of Applied Polymer Science, 2007, 105, 1853-1860.	2.6	52
90	Magnetorheological carbonyl iron particles doubly wrapped with polymer and carbon nanotube. Journal of Applied Physics, 2009, 105, .	2.5	52

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91	Effect of Medium Oil on Magnetorheology of Soft Carbonyl Iron Particles. IEEE Transactions on Magnetics, 2012, 48, 3442-3445.	2.1	52
92	Controllable fabrication of silica encapsulated soft magnetic microspheres with enhanced oxidation-resistance and their rheology under magnetic field. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2012, 403, 133-138.	4.7	52
93	An investigation of melt rheology and thermal stability of poly(lactic acid)/ poly(butylene succinate) nanocomposites. Journal of Applied Polymer Science, 2009, 114, 2837-2847.	2.6	51
94	Carbon nanotube coated snowman-like particles and their electro-responsive characteristics. Chemical Communications, 2012, 48, 136-138.	4.1	51
95	Coreâ€“shell-structured cross-linked poly(glycidyl methacrylate)-coated carbonyl iron microspheres and their magnetorheology. Journal of Materials Science, 2014, 49, 1345-1352.	3.7	51
96	Enhanced magnetorheology of soft magnetic carbonyl iron suspension with hard magnetic Î³-Fe2O3 nanoparticle additive. Colloid and Polymer Science, 2015, 293, 641-647.	2.1	51
97	A simplified model for analyzing the flow behavior of electrorheological fluids containing silica nanoparticle-decorated polyaniline nanofibers. Soft Matter, 2012, 8, 4659.	2.7	50
98	Drag reduction characteristics of polysaccharide xanthan gum. Macromolecular Rapid Communications, 1998, 19, 419-422.	3.9	49
99	Fabrication of multiwalled carbon nanotube-wrapped magnetic carbonyl iron microspheres and their magnetorheology. Colloid and Polymer Science, 2010, 288, 79-84.	2.1	49
100	A high-precision rotating disk apparatus for drag reduction characterization. Polymer Testing, 2000, 20, 43-48.	4.8	48
101	Title is missing!. Journal of Materials Science, 2000, 35, 889-894.	3.7	48
102	Noncovalent self-assembly of carbon nanotube wrapped carbonyl iron particles and their magnetorheology. Journal of Applied Physics, 2008, 103, 07A301.	2.5	48
103	Facile and fast synthesis of polyaniline-coated poly(glycidyl methacrylate) coreâ€“shell microspheres and their electro-responsive characteristics. Journal of Colloid and Interface Science, 2013, 402, 100-106.	9.4	48
104	Coreâ€Shell Structured Monodisperse Poly(3,4â€Ethylenedioxythiophene)/Poly(Styrenesulfonic Acid) Coated Polystyrene Microspheres and Their Electrorheological Response. Macromolecular Rapid Communications, 2011, 32, 881-886.	3.9	47
105	Celebrating Soft Matter's 10th Anniversary: Stimuli-responsive Pickering emulsion polymerized smart fluids. Soft Matter, 2015, 11, 646-654.	2.7	47
106	Polyaniline nanoparticleâ€“carbon nanotube hybrid network vapour sensors with switchable chemo-electrical polarity. Nanotechnology, 2010, 21, 255501.	2.6	46
107	Effect of Clay on Thermal, Mechanical and Gas Barrier Properties of Biodegradable Poly(lactic) Tj ETQq1 1 0.784314 rgBT /Overlock 10 5-14.	0.5	46
108	Fabrication of spherical Fe3O4 particles with a solvothermal method and their magnetorheological characteristics. Journal of Industrial and Engineering Chemistry, 2015, 29, 129-133.	5.8	46

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109	Enhanced fracture toughness and mechanical properties of epoxy resin with rice husk-based nano-silica. Polymer Science - Series A, 2017, 59, 437-444.	1.0	46
110	Applications of Water-Soluble Polymers in Turbulent Drag Reduction. Processes, 2017, 5, 24.	2.8	46
111	Effect of CoFe2O4 nanoparticles on a carbonyl iron based magnetorheological suspension. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2018, 537, 102-108.	4.7	46
112	Preparation and electrophoretic response of poly(methyl methacrylate-co-methacrylic acid) coated TiO2 nanoparticles for electronic paper application. Current Applied Physics, 2007, 7, 349-351.	2.4	45
113	Electrorheologically intelligent polyaniline and its composites. Macromolecular Research, 2010, 18, 99-112.	2.4	45
114	Facile fabrication of Pickering emulsion polymerized polystyrene/laponite composite nanoparticles and their electrorheology. Journal of Colloid and Interface Science, 2013, 394, 108-114.	9.4	44
115	Stimuli-Responsive Polymers and Colloids under Electric and Magnetic Fields. Polymers, 2014, 6, 2803-2818.	4.5	44
116	Polyaniline/Fe composite nanofiber added softmagnetic carbonyl iron microsphere suspension and its magnetorheology. Journal of Materials Chemistry C, 2015, 3, 1861-1868.	5.5	44
117	Environmentally benign green composites based on epoxy resin/bacterial cellulose reinforced glass fiber: Fabrication and mechanical characteristics. Polymer Testing, 2017, 61, 150-161.	4.8	44
118	Emulsion Polymerized Polystyrene/Montmorillonite Nanocomposite and its Viscoelastic Characteristics. Journal of Macromolecular Science - Physics, 2007, 46, 341-354.	1.0	43
119	Dispersion-Polymerized Carbon Nanotube/Poly(methyl methacrylate) Composite Particles and their Electrorheological Characteristics. Macromolecular Chemistry and Physics, 2007, 208, 514-519.	2.2	42
120	Silica nanoparticle decorated conducting polyaniline fibers and their electrorheology. Materials Letters, 2010, 64, 154-156.	2.6	42
121	Carbon nanotube coated magnetic carbonyl iron microspheres prepared by solvent casting method and their magneto-responsive characteristics. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2012, 412, 47-56.	4.7	42
122	Viscoelastic characterization of semiconducting dodecylbenzenesulfonic acid doped polyaniline electrorheological suspensions. Journal of Applied Polymer Science, 2001, 79, 108-114.	2.6	41
123	Viscoelasticity and relaxation characteristics of polystyrene/clay nanocomposite. Journal of Materials Science, 2003, 38, 1849-1852.	3.7	41
124	Electroactive response of mesoporous silica and its nanocomposites with conducting polymers. Composites Science and Technology, 2009, 69, 2088-2092.	7.8	41
125	High-Performance Magnetorheological Suspensions of Pickering-Emulsion-Polymerized Polystyrene/Fe₃O₄ Particles with Enhanced Stability. Langmuir, 2018, 34, 2807-2814.	3.5	41
126	Magnetorheological characteristics of carbonyl iron microparticles with different shapes. Korea Australia Rheology Journal, 2019, 31, 41-47.	1.7	41

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127	Electrorheological characterization of polyaniline-coated poly(methyl methacrylate) suspensions. Colloid and Polymer Science, 2002, 280, 1062-1066.	2.1	40
128	Synthesis of semiconducting poly(diphenylamine) particles and analysis of their electrorheological properties. Polymer, 2017, 119, 40-49.	3.8	40
129	Effect of micro/nano white bamboo fibrils on physical characteristics of epoxy resin reinforced composites. Cellulose, 2017, 24, 5475-5486.	4.9	40
130	Fabrication of dual-coated graphene oxide nanosheets by polypyrrole and poly(ionic liquid) and their enhanced electrorheological responses. Journal of Industrial and Engineering Chemistry, 2019, 69, 106-115.	5.8	40
131	Preparation and Characterization of Phosphate Cellulose-Based Electrorheological Fluids. Macromolecular Chemistry and Physics, 2001, 202, 521-526.	2.2	39
132	Analysis of the flow behavior of electrorheological fluids with the aligned structure reformation. Polymer, 2011, 52, 5695-5698.	3.8	39
133	Coreâ€“Shell-Structured Monodisperse Copolymer/Silica Particle Suspension and Its Electrorheological Response. Langmuir, 2014, 30, 1729-1734.	3.5	39
134	Polymer coated magnetite-based magnetorheological fluid and its potential clean procedure applications to oil production. Journal of Cleaner Production, 2018, 171, 45-56.	9.3	39
135	Magnetic Particle Filled Elastomeric Hybrid Composites and Their Magnetorheological Response. Materials, 2018, 11, 1040.	2.9	39
136	Synthesis and electrorheological response of nano-sized laponite stabilized poly(methyl) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 382 Td (n	2.1	38
137	Smart and Functional Conducting Polymers: Application to Electrorheological Fluids. Molecules, 2018, 23, 2854.	3.8	38
138	Micron-Size White Bamboo Fibril-Based Silane Cellulose Aerogel: Fabrication and Oil Absorbent Characteristics. Materials, 2019, 12, 1407.	2.9	38
139	Effects of surface treatment on magnetic carbonyl iron/polyaniline microspheres and their magnetorheological study. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2017, 531, 48-55.	4.7	38
140	Universal drag reduction characteristics of polyisobutylene in a rotating disk apparatus. Polymer, 1999, 40, 4527-4530.	3.8	37
141	Synthesis and characterization of soluble polypyrrole and polypyrrole/organoclay nanocomposites. Journal of Materials Science Letters, 2003, 22, 1299-1302.	0.5	37
142	Î»-DNA Induced Turbulent Drag Reduction and Its Characteristics. Macromolecules, 2003, 36, 5348-5354.	4.8	37
143	Preparation and physical characteristics of epoxy resin/ bacterial cellulose biocomposites. Polymer Bulletin, 2018, 75, 2607-2625.	3.3	37
144	Synthesis and characteristics of microcapsules containing electrophoretic particle suspensions. Colloid and Polymer Science, 2006, 284, 813-816.	2.1	36

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145	Rectangularâ€Shaped Polyaniline Tubes Covered with Nanorods and their Electrorheology. Macromolecular Chemistry and Physics, 2011, 212, 2300-2307.	2.2	36
146	Core-Shell Structured Electro- and Magneto-Responsive Materials: Fabrication and Characteristics. Materials, 2014, 7, 7460-7471.	2.9	36
147	Facile fabrication of core/shell structured SiO₂/polypyrrole nanoparticles with surface modification and their electrorheology. RSC Advances, 2016, 6, 56495-56502.	3.6	36
148	Static yield stress of a magnetorheological fluid containing Pickering emulsion polymerized Fe 2 O 3 /polystyrene composite particles. Journal of Colloid and Interface Science, 2016, 463, 272-278.	9.4	35
149	Enhanced magnetorheological performance of carbonyl iron/natural rubber composite elastomer with gamma-ferrite additive. Colloid and Polymer Science, 2018, 296, 1609-1613.	2.1	35
150	Facile fabrication of self-assembled PMMA/graphene oxide composite particles and their electroresponsive properties. Colloid and Polymer Science, 2013, 291, 955-962.	2.1	34
151	Eco-friendly mass production of poly(p-phenylenediamine)/graphene oxide nanoplatelet composites and their electrorheological characteristics. Composites Science and Technology, 2016, 122, 36-41.	7.8	34
152	Microcrystalline cellulose added carbonyl iron suspension and its magnetorheology. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2017, 514, 161-167.	4.7	34
153	Electrorheological characterization of semiconducting polyaniline suspension. Polymer Engineering and Science, 1999, 39, 493-499.	3.1	33
154	Intercalated polypropylene/clay nanocomposite and its physical characteristics. Journal of Physics and Chemistry of Solids, 2008, 69, 1375-1378.	4.0	33
155	Preparation and interaction characteristics of exfoliated ABS/organoclay nanocomposite. Polymer Engineering and Science, 2010, 50, 504-512.	3.1	33
156	Rheology of organoclay suspension. Colloid and Polymer Science, 2011, 289, 1119-1125.	2.1	33
157	Analysis of Gas Permeability Characteristics of Poly(Lactic Acid)/Poly(Butylene Succinate) Nanocomposites. Journal of Nanomaterials, 2012, 2012, 1-11.	2.7	33
158	Urchin-like polyaniline microspheres fabricated from self-assembly of polyaniline nanowires and their electro-responsive characteristics. Chemical Engineering Journal, 2014, 235, 186-190.	12.7	33
159	Cellulose-Based Smart Fluids under Applied Electric Fields. Materials, 2017, 10, 1060.	2.9	33
160	Linear viscoelasticity of semiconducting polyaniline based electrorheological suspensions. Journal of Materials Science, 2004, 39, 1377-1382.	3.7	32
161	Preparation and Characterization of Poly(Methyl Methacrylate) Coated TiO2Nanoparticles. Journal of Macromolecular Science - Physics, 2006, 45, 53-60.	1.0	32
162	Ordering Behavior of Layered Silicate Nanocomposites with a Cylindrical Triblock Copolymer. Macromolecular Chemistry and Physics, 2006, 207, 444-455.	2.2	32

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163	COLE-COLE ANALYSIS ON DIELECTRIC SPECTRA OF ELECTRORHEOLOGICAL SUSPENSIONS. International Journal of Modern Physics B, 2007, 21, 4974-4980.	2.0	32
164	Polymeric nanobead coated carbonyl iron particles and their magnetic property. Physica Status Solidi (A) Applications and Materials Science, 2007, 204, 4190-4193.	1.8	32
165	Well controlled core/shell type polymeric microspheres coated with conducting polyaniline: fabrication and electrorheology. RSC Advances, 2011, 1, 1026.	3.6	32
166	Effect of polymerâ€“surfactant interaction on its turbulent drag reduction. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2011, 391, 125-129.	4.7	32
167	Fabrication of semiconducting polyaniline/nano-silica nanocomposite particles and their enhanced electrorheological and dielectric characteristics. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2011, 381, 17-22.	4.7	32
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