

# Hyoung Jin Choi

## List of Publications by Year in Descending Order

**Source:** <https://exaly.com/author-pdf/916684/hyoung-jin-choi-publications-by-year.pdf>

**Version:** 2024-04-28

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

618  
papers

15,953  
citations

61  
h-index

93  
g-index

646  
ext. papers

17,408  
ext. citations

3.6  
avg, IF

7.17  
L-index

#	Paper	IF	Citations
618	An overview on the enhanced gas condensate recovery with novel and green methods.. <i>Environmental Science and Pollution Research</i> , <b>2022</b> , 1	5.1	
617	Effect of drag-reducing polymer on blood flow in microchannels. <i>Colloids and Surfaces B: Biointerfaces</i> , <b>2022</b> , 209, 112212	6	0
616	Poly(N-methylaniline)/magnetite microsphere and its electrical and magnetic dual responses. <i>Polymer</i> , <b>2022</b> , 240, 124492	3.9	
615	Remote-controllable, tough, ultrastretchable, and magneto-sensitive nanocomposite hydrogels with homogeneous nanoparticle dispersion as biomedical actuators, and their tuned structure, properties, and performances. <i>Composites Part B: Engineering</i> , <b>2022</b> , 236, 109802	10	0
614	Xanthan gum-added natural surfactant solution of Chuback: A green and clean technique for enhanced oil recovery. <i>Journal of Molecular Liquids</i> , <b>2022</b> , 354, 118909	6	0
613	Effect of polymer-graphene-quantum-dot solution on enhanced oil recovery performance. <i>Journal of Molecular Liquids</i> , <b>2021</b> , 118092	6	1
612	Porous Fe <sub>3</sub> O <sub>4</sub> submicron particles for use in magnetorheological fluids. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , <b>2021</b> , 613, 126066	5.1	2
611	Effect of silicon-based nanoparticles on enhanced oil recovery: Review. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , <b>2021</b> , 122, 241-259	5.3	7
610	Nitrogen-doped graphene quantum dot nanofluids to improve oil recovery from carbonate and sandstone oil reservoirs. <i>Journal of Molecular Liquids</i> , <b>2021</b> , 330, 115715	6	5
609	Magnetite/Poly(ortho-anisidine) Composite Particles and Their Electrorheological Response. <i>Materials</i> , <b>2021</b> , 14,	3.5	2
608	Effect of reduced graphene oxide and MnFe <sub>2</sub> O <sub>4</sub> nanoparticles on carbonyl iron for magnetorheological fluids. <i>Journal of Industrial and Engineering Chemistry</i> , <b>2021</b> , 98, 140-147	6.3	4
607	On the attributes of invert-emulsion drilling fluids modified with graphene oxide/inorganic complexes. <i>Journal of Industrial and Engineering Chemistry</i> , <b>2021</b> , 93, 290-301	6.3	9
606	Additive effect of rod-like magnetite/sepiolite composite particles on magnetorheology. <i>Journal of Industrial and Engineering Chemistry</i> , <b>2021</b> , 93, 210-215	6.3	2
605	Influence of clay-based additive on sedimentation stability of magnetorheological fluid. <i>Smart Materials and Structures</i> , <b>2021</b> , 30, 027001	3.4	6
604	Synthesis of reduced graphene oxide/cobalt ferrite composite particles and their magnetorheological characteristics. <i>AIP Advances</i> , <b>2021</b> , 11, 015129	1.5	0
603	Magnetic-stimuli rheological response of soft-magnetic manganese ferrite nanoparticle suspension. <i>Colloid and Polymer Science</i> , <b>2021</b> , 299, 865-872	2.4	1
602	Fabrication of Polyindole Coated Zinc Ferrite Particles and Their Dual Rheological Response under Magnetic and Electric Fields. <i>IEEE Transactions on Magnetism</i> , <b>2021</b> , 1-1	2	0

601	Fabrication and Shear Response of Conducting Polymer-Coated Zinc Ferrite Particles under Magnetic/Electric Field. <i>IEEE Transactions on Magnetics</i> , <b>2021</b> , 1-1	2	0
600	Fabrication and Magnetorheological Characteristics of Core-shell Typed Poly(2-methylaniline)/Carbonyl Iron Microspheres. <i>IEEE Transactions on Magnetics</i> , <b>2021</b> , 1-1	2	
599	Core-Shell Structured Magnetite-Poly(diphenylamine) Microspheres and Their Tunable Dual Response under Magnetic and Electric Fields. <i>Langmuir</i> , <b>2021</b> , 37, 2298-2311	4	5
598	Magnetic Polymer Composite Particles: Design and Magnetorheology. <i>Polymers</i> , <b>2021</b> , 13,	4.5	7
597	Shirasu porous glass membrane processed uniform-sized Fe <sub>3</sub> O <sub>4</sub> -embedded polymethylmethacrylate nanoparticles and their tunable rheological response under magnetic field. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , <b>2021</b> , 611, 125756	5.1	1
596	Conducting polymer-based electro-responsive smart suspensions. <i>Chemical Papers</i> , <b>2021</b> , 75, 5009-5034	1.9	6
595	Monodisperse semiconducting poly(N-methylaniline) microspheres and their electrorheological response. <i>Smart Materials and Structures</i> , <b>2021</b> , 30, 085045	3.4	
594	Artificial Neural Network to Forecast Enhanced Oil Recovery Using Hydrolyzed Polyacrylamide in Sandstone and Carbonate Reservoirs. <i>Polymers</i> , <b>2021</b> , 13,	4.5	1
593	Magnetized solvents: Characteristics and various applications. <i>Journal of Molecular Liquids</i> , <b>2021</b> , 335, 116167	6	0
592	Application of artificial intelligence to magnetite-based magnetorheological fluids. <i>Journal of Industrial and Engineering Chemistry</i> , <b>2021</b> , 100, 399-409	6.3	2
591	Effect of carbon-based and metal-based nanoparticles on enhanced oil recovery: A review. <i>Journal of Molecular Liquids</i> , <b>2021</b> , 338, 116903	6	6
590	Ionic-liquid-modified TiO <sub>2</sub> spheres and their enhanced electrorheological responses. <i>Journal of Molecular Liquids</i> , <b>2021</b> , 338, 116696	6	0
589	Magnetite-embedded poly (2-methylaniline) hybrid particles and their smart responses under magnetic and electric fields. <i>Journal of Molecular Liquids</i> , <b>2021</b> , 340, 117294	6	0
588	Polyaniline coated ZnFe <sub>2</sub> O <sub>4</sub> microsphere and its electrorheological and magnetorheological response. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , <b>2021</b> , 626, 127079	5.1	2
587	Enhanced Magnetorheological Response of Carbonyl Iron Suspension with Added ZnFe <sub>2</sub> O <sub>4</sub> Particles. <i>IEEE Transactions on Magnetics</i> , <b>2021</b> , 1-1	2	0
586	Analysis of the flow behavior of electrorheological fluids containing polypyrrole nanoparticles or polypyrrole/silica nanocomposite particles. <i>Rheologica Acta</i> , <b>2020</b> , 59, 415-423	2.3	11
585	Lifting-Force Maximization of a Micropatterned Electroadhesive Device Comparable to the Human-Finger Grip. <i>ACS Applied Electronic Materials</i> , <b>2020</b> , 2, 1596-1602	4	2
584	Glutathione-capped core-shell structured magnetite nanoparticles: Fabrication and their nonlinear optical characteristics. <i>Current Applied Physics</i> , <b>2020</b> , 20, 822-827	2.6	3

583	Bio-Inspired Passion Fruit-like FeO@C Nanospheres Enabling High-Stability Magnetorheological Performances. <i>Langmuir</i> , <b>2020</b> , 36, 7706-7714	4	7
582	Microwave-assisted synthesis and characterization of iron oxide microfibers. <i>Journal of Materials Chemistry C</i> , <b>2020</b> , 8, 6159-6167	7.1	7
581	Pickering Emulsion Polymerized Polyaniline/Zinc-ferrite Composite Particles and Their Dual Electrorheological and Magnetorheological Responses. <i>ACS Omega</i> , <b>2020</b> , 5, 7675-7682	3.9	13
580	A simple method of correcting the parallel plate rim shear stress for non-Newtonian behavior <b>2020</b> , 32, 165-169		1
579	Nanoparticles Functionalized by Conducting Polymers and Their Electrorheological and Magnetorheological Applications. <i>Polymers</i> , <b>2020</b> , 12,	4.5	12
578	Reciprocating magnetorheological polishing method for borosilicate glass surface smoothness. <i>Journal of Industrial and Engineering Chemistry</i> , <b>2020</b> , 84, 243-251	6.3	12
577	Enhanced magnetorheological characteristics of hollow magnetite nanoparticle-carbonyl iron microsphere suspension. <i>Smart Materials and Structures</i> , <b>2020</b> , 29, 055022	3.4	10
576	Temperature-dependent electrorheology of a suspension based on copolymeric P(NIPAM-co-[AMIm]Cl) colloidal particles. <i>Smart Materials and Structures</i> , <b>2020</b> , 29, 124001	3.4	0
575	Poly(4-vinylphenol-co-methyl methacrylate)/Hafnium Oxide Nanocomposite Gate Insulators for Organic Thin-Film Transistors. <i>Journal of Nanoscience and Nanotechnology</i> , <b>2020</b> , 20, 4188-4192	1.3	
574	Pickering emulsion fabricated smart polyaniline/clay composite particles and their tunable rheological response under electric field. <i>Smart Materials and Structures</i> , <b>2020</b> , 29, 085022	3.4	2
573	Fe <sub>3</sub> Al alloy based magnetorheological fluid and its viscoelastic characteristics. <i>Journal of Industrial and Engineering Chemistry</i> , <b>2020</b> , 82, 433-438	6.3	14
572	Poly(diphenylamine)/polyaniline core/shell composite nanospheres synthesized using a reactive surfactant and their electrorheology. <i>Polymer</i> , <b>2020</b> , 188, 122161	3.9	8
571	Rheological analysis of titanium dioxide nano-whisker based electrorheological fluids. <i>Journal of Industrial and Engineering Chemistry</i> , <b>2020</b> , 83, 285-288	6.3	6
570	Magnetorheological Elastomers: Fabrication, Characteristics, and Applications. <i>Materials</i> , <b>2020</b> , 13,	3.5	20
569	Melt Rheology and Mechanical Characteristics of Poly(Lactic Acid)/Alkylated Graphene Oxide Nanocomposites. <i>Polymers</i> , <b>2020</b> , 12,	4.5	7
568	Core-shell-structured Fe <sub>3</sub> O <sub>4</sub> nanocomposite particles for high-performance/stable magnetorheological fluids: preparation and characteristics. <i>Journal of the Korean Ceramic Society</i> , <b>2020</b> , 57, 608-631	2.2	9
567	Synthesis and Electrorheological Response of Graphene Oxide/Polydiphenylamine Microsheet Composite Particles. <i>Polymers</i> , <b>2020</b> , 12,	4.5	3
566	Semiconducting Polymer Blends: Spontaneous Phase Separation of Poly(3-hexylthiophene)s with Different Regioregularity for a Stretchable Semiconducting Film (Adv. Funct. Mater. 35/2019). <i>Advanced Functional Materials</i> , <b>2019</b> , 29, 1970244	15.6	

565	Effects of dispersion state on rheological and electrical characteristics of concentrated multiwalled carbon nanotube suspensions <b>2019</b> , 31, 179-186		0
564	Electrorheological Characteristics of Poly(diphenylamine)/magnetite Composite-Based Suspension. <i>Materials</i> , <b>2019</b> , 12,	3.5	7
563	Nanosilica Extracted from Hexafluorosilicic Acid of Waste Fertilizer as Reinforcement Material for Natural Rubber: Preparation and Mechanical Characteristics. <i>Materials</i> , <b>2019</b> , 12,	3.5	2
562	Viscoelastic and mechanical behaviors of magneto-rheological carbonyl iron/natural rubber composites with magnetic iron oxide nanoparticle. <i>Smart Materials and Structures</i> , <b>2019</b> , 28, 045012	3.4	10
561	Magnetostrictive and viscoelastic characteristics of polyurethane-based magnetorheological elastomer. <i>Journal of Industrial and Engineering Chemistry</i> , <b>2019</b> , 73, 128-133	6.3	18
560	Polymer-Magnetic Composite Particles of Fe <sub>3</sub> O <sub>4</sub> /Poly(-anisidine) and Their Suspension Characteristics under Applied Magnetic Fields. <i>Polymers</i> , <b>2019</b> , 11,	4.5	13
559	Comment on Synthesis, characterization and magnetorheological study of 3-aminopropyltriethoxysilane-modified Fe <sub>3</sub> O <sub>4</sub> nanoparticles <i>Smart Materials and Structures</i> , <b>2019</b> , 28, 088001	3.4	1
558	Spontaneous Phase Separation of Poly(3-hexylthiophene)s with Different Regioregularity for a Stretchable Semiconducting Film. <i>Advanced Functional Materials</i> , <b>2019</b> , 29, 1903163	15.6	9
557	Polyindole nanoparticle-based electrorheological fluid and its green and clean future potential conformance control technique to oil fields. <i>Journal of Cleaner Production</i> , <b>2019</b> , 231, 1218-1225	10.3	10
556	Role of calcium carbonate as an interfacial compatibilizer in the magneto-rheological elastomers based on ethylene/acrylic elastomer (AEM) and its magneto-induced properties. <i>Materials Research Express</i> , <b>2019</b> , 6, 085320	1.7	2
555	Micron-Size White Bamboo Fibril-Based Silane Cellulose Aerogel: Fabrication and Oil Absorbent Characteristics. <i>Materials</i> , <b>2019</b> , 12,	3.5	28
554	Quantitative Electrode Design Modeling of an Electroadhesive Lifting Device Based on the Localized Charge Distribution and Interfacial Polarization of Different Objects. <i>ACS Omega</i> , <b>2019</b> , 4, 7994-8000 <sup>8</sup>	2.0	8
553	Magnetorheological characteristics of carbonyl iron microparticles with different shapes <b>2019</b> , 31, 41-47		29
552	Synthesis of conducting polymeric nanoparticles in the presence of a polymerizable surfactant and their electrorheological response. <i>Colloid and Polymer Science</i> , <b>2019</b> , 297, 781-784	2.4	4
551	Rheological effect of Zn-doped ferrite nanoparticle additive with enhanced magnetism on micro-spherical carbonyl iron based magnetorheological suspension. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , <b>2019</b> , 571, 168-173	5.1	6
550	Recent development of electro-responsive smart electrorheological fluids. <i>Soft Matter</i> , <b>2019</b> , 15, 3473-3486	3.86	65
549	Facile Synthesis of Solvent Cast Arabic Gum Coated Carbonyl Iron Microspheres and Their Magnetorheological Characteristics. <i>Journal of Nanoscience and Nanotechnology</i> , <b>2019</b> , 19, 3905-3910	1.3	1
548	Poly(glycidyl methacrylate) Coated Soft-Magnetic Carbonyl Iron/Silicone Rubber Composite Elastomer and Its Magnetorheology. <i>Macromolecular Research</i> , <b>2019</b> , 27, 448-453	1.9	7

547	Jellyfish-shaped p-phenylenediamine functionalized graphene oxide-g-polyaniline fibers and their electrorheology. <i>Polymer</i> , <b>2019</b> , 168, 29-35	3.9	7
546	SO <sub>3</sub> H-dendrimer functionalized magnetic nanoparticles (Fe <sub>3</sub> O <sub>4</sub> @D NH (CH <sub>2</sub> ) <sub>4</sub> SO <sub>3</sub> H): Synthesis, characterization and its application as a novel and heterogeneous catalyst for the one-pot synthesis of polyfunctionalized pyrans and polyhydroquinolines. <i>Polyhedron</i> , <b>2019</b> , 162, 129-141	2.7	66
545	Raman spectroscopy study of solution-processed In <sub>2</sub> O <sub>3</sub> thin films: effect of annealing temperature on the characteristics of In <sub>2</sub> O <sub>3</sub> semiconductors and thin-film transistors. <i>Molecular Crystals and Liquid Crystals</i> , <b>2019</b> , 679, 38-47	0.5	3
544	Effect of medium viscosity on rheological characteristics of magnetite-based magnetorheological fluids. <i>Journal of Industrial and Engineering Chemistry</i> , <b>2019</b> , 80, 197-204	6.3	13
543	Graphene Oxide and Its Inorganic Composites: Fabrication and Electrorheological Response. <i>Materials</i> , <b>2019</b> , 12,	3.5	8
542	Non-Einstein Viscosity Phenomenon of Acrylonitrile-Butadiene-Styrene Composites Containing Lignin-Polycaprolactone Particulates Highly Dispersed by High-Shear Stress. <i>ACS Omega</i> , <b>2019</b> , 4, 10036-10043	3.8	3
541	Facile fabrication of core-shell typed silica/poly(diphenylamine) composite microparticles and their electro-response. <i>Polymer</i> , <b>2019</b> , 182, 121851	3.9	6
540	Suspensions of Hollow Polydivinylbenzene Nanoparticles Decorated with Fe <sub>3</sub> O <sub>4</sub> Nanoparticles as Magnetorheological Fluids for Microfluidics Applications. <i>ACS Applied Nano Materials</i> , <b>2019</b> , 2, 6939-6947	5.6	15
539	Highly Tough, Biocompatible, and Magneto-Responsive FeO/Laponite/PDMAAm Nanocomposite Hydrogels. <i>Scientific Reports</i> , <b>2019</b> , 9, 15024	4.9	16
538	Polyindole-Coated Soft-Magnetic Particles and their Viscoelastic Behaviors under Applied Magnetic Field. <i>Journal of Magnetism</i> , <b>2019</b> , 24, 155-161	1.9	3
537	Stimuli-Responsive Graphene Oxide-Polymer Nanocomposites. <i>Macromolecular Research</i> , <b>2019</b> , 27, 1061-1070	1.9	11
536	Microfibrillated Cellulose Suspension and Its Electrorheology. <i>Polymers</i> , <b>2019</b> , 11,	4.5	9
535	Fabrication and electro-responsive electrorheological characteristics of rice husk-based nanosilica suspension. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , <b>2019</b> , 95, 432-437	5.3	7
534	Toughness and rheological characteristics of poly(lactic acid)/acrylic core-shell rubber blends. <i>Polymer Bulletin</i> , <b>2019</b> , 76, 5483-5497	2.4	7
533	Conformance control in oil reservoir based on magnetorheological behavior of nanoparticle suspension. <i>Journal of Environmental Management</i> , <b>2019</b> , 231, 1127-1134	7.9	12
532	Rheological and mechanical properties of polypropylene composites containing microfibrillated cellulose (MFC) with improved compatibility through surface silylation. <i>Cellulose</i> , <b>2019</b> , 26, 1085-1097	5.5	11
531	Synthesis and thermal analysis of hydrophobic iron oxide nanoparticles for improving in-situ combustion efficiency of heavy oils. <i>Journal of Industrial and Engineering Chemistry</i> , <b>2019</b> , 71, 402-409	6.3	10
530	Fabrication of dual-coated graphene oxide nanosheets by polypyrrole and poly(ionic liquid) and their enhanced electrorheological responses. <i>Journal of Industrial and Engineering Chemistry</i> , <b>2019</b> , 69, 106-115	6.3	34

529	Hollow submicron-sized spherical conducting polyaniline particles and their suspension rheology under applied electric fields. <i>Polymer</i> , <b>2018</b> , 140, 80-88	3.9	16
528	Fabrication and electric stimuli-response of semiconducting poly(3,4-ethylenedioxythiophene)/silica nanocomposite particles. <i>European Polymer Journal</i> , <b>2018</b> , 101, 255-261	5.2	5
527	Self-standing and shape-memorable UV-curing epoxy polymers for three-dimensional (3D) continuous-filament printing. <i>Journal of Materials Chemistry C</i> , <b>2018</b> , 6, 2996-3003	7.1	19
526	Improvement the mode I interlaminar fracture toughness of glass fiber reinforced phenolic resin by using epoxidized soybean oil. <i>Polymer Bulletin</i> , <b>2018</b> , 75, 4769-4782	2.4	15
525	Magnetite Embedded Mini-Emulsion Polymerized Polystyrene Particles and Their Magnetorheology. <i>Macromolecular Research</i> , <b>2018</b> , 26, 353-358	1.9	5
524	Emulsion-polymerized polyindole nanoparticles and their electrorheology. <i>Journal of Applied Polymer Science</i> , <b>2018</b> , 135, 46384	2.9	16
523	Graphene oxide as a Pickering emulsifier for poly(glycidyl methacrylate) composite particles and their suspension rheology under applied electric fields. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , <b>2018</b> , 550, 56-64	5.1	11
522	Elegant Surface of CoNi Alloys toward Efficient Magnetorheological Performances Realized with Carbon Quantum Dots. <i>Advanced Materials Interfaces</i> , <b>2018</b> , 5, 1800164	4.6	7
521	High-Performance Magnetorheological Suspensions of Pickering-Emulsion-Polymerized Polystyrene/FeO Particles with Enhanced Stability. <i>Langmuir</i> , <b>2018</b> , 34, 2807-2814	4	26
520	Operational stability of solution-processed indium-oxide thin-film transistors: Environmental condition and electrical stress. <i>Journal of the Korean Physical Society</i> , <b>2018</b> , 72, 151-158	0.6	1
519	Pickering emulsion polymerized core-shell structured poly(methyl methacrylate)/ graphene oxide particles and their electrorheological characteristics. <i>Polymer Testing</i> , <b>2018</b> , 66, 195-202	4.5	12
518	Non-stoichiometric zinc-doped spinel ferrite nanoparticles with enhanced magnetic property and their magnetorheology. <i>Colloid and Polymer Science</i> , <b>2018</b> , 296, 405-409	2.4	12
517	Effect of particle size and crosslinking on the toughening of core-shell-type rubber-modified poly(lactic acid) composites. <i>Polymer Testing</i> , <b>2018</b> , 65, 440-449	4.5	15
516	Core/Shell Polystyrene/Magnetite Hybrid Nanoparticles Fabricated by Pickering Emulsion Polymerization and Their Magnetorheological Response. <i>Macromolecular Chemistry and Physics</i> , <b>2018</b> , 219, 1700408	2.6	15
515	Fabrication of p-aminobenzoic acid grafted carbonyl iron/polyindole composite particles and their magnetorheological response. <i>Journal of Industrial and Engineering Chemistry</i> , <b>2018</b> , 64, 102-106	6.3	9
514	Electrorheological response of microporous covalent triazine-based polymeric particles. <i>Colloid and Polymer Science</i> , <b>2018</b> , 296, 907-915	2.4	4
513	Improvement of the mode I interlaminar fracture toughness of glass fiber/epoxy composites using polystyrene electrospun nanofibres. <i>Polymer Bulletin</i> , <b>2018</b> , 75, 5089-5102	2.4	18
512	Particle interaction energy and hysteresis in polar and non-polar medium based magnetic fluids. <i>Journal of Industrial and Engineering Chemistry</i> , <b>2018</b> , 63, 133-138	6.3	1

511	Split-Ring Springback Simulations with the Non-associated Flow Rule and Evolutionary Elastic-Plasticity Models. <i>Jom</i> , <b>2018</b> , 70, 906-911	2.1	1
510	Potential aspect of rice husk biomass in Australia for nanocrystalline cellulose production. <i>Chinese Journal of Chemical Engineering</i> , <b>2018</b> , 26, 465-476	3.2	30
509	Magnetorheological properties and polishing characteristics of silica-coated carbonyl iron magnetorheological fluid. <i>Journal of Intelligent Material Systems and Structures</i> , <b>2018</b> , 29, 137-146	2.3	7
508	An experimental study on enhanced oil recovery utilizing nanoparticle ferrofluid through the application of a magnetic field. <i>Journal of Industrial and Engineering Chemistry</i> , <b>2018</b> , 58, 319-327	6.3	40
507	Effect of CoFe <sub>2</sub> O <sub>4</sub> nanoparticles on a carbonyl iron based magnetorheological suspension. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , <b>2018</b> , 537, 102-108	5.1	30
506	Polymer coated magnetite-based magnetorheological fluid and its potential clean procedure applications to oil production. <i>Journal of Cleaner Production</i> , <b>2018</b> , 171, 45-56	10.3	30
505	Preparation and physical characteristics of epoxy resin/ bacterial cellulose biocomposites. <i>Polymer Bulletin</i> , <b>2018</b> , 75, 2607-2625	2.4	28
504	Effect of octahedral typed iron oxide particles on magnetorheological behavior of carbonyl iron dispersion. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , <b>2018</b> , 555, 685-690	5.1	16
503	Enhanced magnetorheological performance of carbonyl iron/natural rubber composite elastomer with gamma-ferrite additive. <i>Colloid and Polymer Science</i> , <b>2018</b> , 296, 1609-1613	2.4	28
502	Effect of magnetic field intensity and Fe <sub>2</sub> O <sub>3</sub> nanoparticle additive on electrical conductivity and viscosity of magnetorheological carbonyl iron suspension-based membranes. <i>Smart Materials and Structures</i> , <b>2018</b> , 27, 095021	3.4	9
501	Polyaniline Coated Core-Shell Typed Stimuli-Responsive Microspheres and Their Electrorheology. <i>Polymers</i> , <b>2018</b> , 10,	4.5	13
500	Synthesis of Organic/Inorganic Poly(diphenylamine)/Magnetite Composite Particles and Their Magnetorheological Response. <i>IEEE Transactions on Magnetics</i> , <b>2018</b> , 54, 1-4	2	7
499	Magnetic Particle Filled Elastomeric Hybrid Composites and Their Magnetorheological Response. <i>Materials</i> , <b>2018</b> , 11,	3.5	29
498	Synthesis and Viscoelastic Behavior of Non-Stoichiometric Spinel Ferrite Particle Suspension. <i>IEEE Transactions on Magnetics</i> , <b>2018</b> , 54, 1-4	2	2
497	Searching for a Stable High-Performance Magnetorheological Suspension. <i>Advanced Materials</i> , <b>2018</b> , 30, e1704769	24	60
496	Magnetorheology of Core/Shell Structured Mesoporous Fe <sub>3</sub> O <sub>4</sub> @mSiO <sub>2</sub> Nanoparticles in Carbonyl Iron Dispersion. <i>IEEE Transactions on Magnetics</i> , <b>2018</b> , 54, 1-4	2	2
495	Preparation and Magnetorheological Response of Triangular-Shaped Single-Crystalline Magnetite Particle-Based Magnetic Fluid. <i>IEEE Transactions on Magnetics</i> , <b>2018</b> , 54, 1-4	2	7
494	Micro-fibril cellulose as a filler for glass fiber reinforced unsaturated polyester composites: Fabrication and mechanical characteristics. <i>Macromolecular Research</i> , <b>2018</b> , 26, 54-60	1.9	26



493	Fe <sub>3</sub> O <sub>4</sub> /sepiolite magnetic composite particles and their magneto- responsive characteristics. <i>Colloid and Polymer Science</i> , <b>2018</b> , 296, 11-19	2.4	19
492	Smart and Functional Conducting Polymers: Application to Electrorheological Fluids. <i>Molecules</i> , <b>2018</b> , 23,	4.8	18
491	Effect of oxidants on morphology of interfacial polymerized polyaniline nanofibers and their electrorheological response. <i>Polymer</i> , <b>2018</b> , 158, 176-182	3.9	5
490	Electrorheological Responses of Acid-Hydrolyzed Cellulose Suspensions. <i>Current Smart Materials</i> , <b>2018</b> , 3, 58-67	1	1
489	Electroresponsive Polymer-Inorganic Semiconducting Composite (MCTP-FeO) Particles and Their Electrorheology. <i>ACS Omega</i> , <b>2018</b> , 3, 17246-17253	3.9	2
488	Iconography connecting art and rheology based on Dalí paintings <b>2018</b> , 30, 317-321		
487	Synthesis of core-shell formed carbonyl iron/polydiphenylamine particles and their rheological response under applied magnetic fields. <i>Colloid and Polymer Science</i> , <b>2018</b> , 296, 1857-1865	2.4	11
486	Simultaneous improvement of the fracture toughness and mechanical characteristics of amine-functionalized nano/micro glass fibril-reinforced epoxy resin. <i>Polymer Testing</i> , <b>2018</b> , 71, 200-208	4.5	25
485	Influence of Graphene Nanoplatelet and Silver Nanoparticle on the Rheological Properties of WaterBased Mud <i>Applied Sciences (Switzerland)</i> , <b>2018</b> , 8, 1386	2.6	12
484	Enhanced Electrorheological Response of Cellulose: A Double Effect of Modification by Urea-Terminated Silane. <i>Polymers</i> , <b>2018</b> , 10,	4.5	3
483	Tribological and rheological tests of core-shell typed carbonyl iron/polystyrene particle-based magnetorheological fluid. <i>Journal of Industrial and Engineering Chemistry</i> , <b>2018</b> , 68, 342-349	6.3	15
482	Synthesis of Smart Poly(diphenylamine)/Magnetic Particle Composites and Their Electric/Magnetic Stimuli-Response. <i>Macromolecular Research</i> , <b>2018</b> , 26, 667-670	1.9	14
481	Hierarchical Architectures of PMMA/MWNT-NH <sub>2</sub> Particles: a Material for Enhanced Volatile Organic Compound Sensing Performance. <i>Macromolecular Research</i> , <b>2018</b> , 26, 788-793	1.9	2
480	Effect of Magnetic Nanoparticle Additive on Viscoelastic Behaviors of Carbonyl Iron-Based Magnetorheological Suspension. <i>IEEE Transactions on Magnetics</i> , <b>2018</b> , 54, 1-4	2	2
479	Effect of organoclay on the properties of maleic-anhydride grafted polypropylene and poly(methyl methacrylate) blend. <i>Polymer Composites</i> , <b>2017</b> , 38, 431-440	3	10
478	Smart Graphene Oxide Based Composite Materials and their Electric and Magnetic Stimuli-response. <i>Procedia Engineering</i> , <b>2017</b> , 171, 64-70		1
477	Fabrication of phosphate microcrystalline rice husk based cellulose particles and their electrorheological response. <i>Carbohydrate Polymers</i> , <b>2017</b> , 165, 247-254	10.3	19
476	Enhanced fracture toughness and mechanical properties of epoxy resin with rice husk-based nano-silica. <i>Polymer Science - Series A</i> , <b>2017</b> , 59, 437-444	1.2	38

475	Suspension Rheology and Magnetorheological Finishing Characteristics of Biopolymer-Coated Carbonyliron Particles. <i>Industrial &amp; Engineering Chemistry Research</i> , <b>2017</b> , 56, 2416-2424	3.9	14
474	Pickering emulsion polymerized magnetite-poly(methyl methacrylate) composite particles and their magnetorheology. <i>Colloid and Polymer Science</i> , <b>2017</b> , 295, 959-966	2.4	8
473	Dispersion state and rheological characteristics of carbon nanotube suspensions. <i>Journal of Industrial and Engineering Chemistry</i> , <b>2017</b> , 52, 369-375	6.3	10
472	Environmentally benign green composites based on epoxy resin/bacterial cellulose reinforced glass fiber: Fabrication and mechanical characteristics. <i>Polymer Testing</i> , <b>2017</b> , 61, 150-161	4.5	37
471	Synthesis of semiconducting poly(diphenylamine) particles and analysis of their electrorheological properties. <i>Polymer</i> , <b>2017</b> , 119, 40-49	3.9	33
470	Core-shell structured mesoporous magnetic nanoparticles and their magnetorheological response. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , <b>2017</b> , 524, 79-86	5.1	20
469	Microcrystalline cellulose added carbonyl iron suspension and its magnetorheology. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , <b>2017</b> , 514, 161-167	5.1	26
468	Amphicharge-Storable Pyropolymers Containing Multitiered Nanopores. <i>Advanced Energy Materials</i> , <b>2017</b> , 7, 1700629	21.8	29
467	Effects of hydrophobic modification of xanthan gum on its turbulent drag reduction characteristics. <i>Journal of Industrial and Engineering Chemistry</i> , <b>2017</b> , 54, 146-150	6.3	9
466	Stimuli-response of chlorosilane-functionalized starch suspension under applied electric fields. <i>Polymer Bulletin</i> , <b>2017</b> , 74, 823-837	2.4	4
465	Ultraviolet light-responsive photorheological fluids: as a new class of smart fluids. <i>Smart Materials and Structures</i> , <b>2017</b> , 26, 054007	3.4	8
464	Swelling-diffusion-interfacial polymerized core-shell typed polystyrene/poly(3,4-ethylenedioxythiophene) microspheres and their electro-responsive characteristics. <i>Polymer</i> , <b>2017</b> , 115, 137-145	3.9	19
463	Synthesis of self-assembled rectangular-shaped polyaniline nanotubes and their physical characteristics. <i>Journal of Industrial and Engineering Chemistry</i> , <b>2017</b> , 47, 51-55	6.3	14
462	Pickering emulsion-polymerized conducting polymer nanocomposites and their applications. <i>Chemical Papers</i> , <b>2017</b> , 71, 179-188	1.9	2
461	Core-shell structured semiconducting poly(diphenylamine)-coated polystyrene microspheres and their electrorheology. <i>Polymer</i> , <b>2017</b> , 131, 120-131	3.9	20
460	Flow curve analysis of a Pickering emulsion-polymerized PEDOT:PSS/PS-based electrorheological fluid. <i>Smart Materials and Structures</i> , <b>2017</b> , 26, 117001	3.4	2
459	Cellulose-Based Smart Fluids under Applied Electric Fields. <i>Materials</i> , <b>2017</b> , 10,	3.5	23
458	Synthesis of hollow magnetite nanoparticles via self-assembly and their magnetorheological properties. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , <b>2017</b> , 535, 16-23	5.1	23

457	Sulfonated polystyrene nanoparticles coated with conducting polyaniline and their electro-responsive suspension characteristics under electric fields. <i>Polymer</i> , <b>2017</b> , 127, 174-181	3.9	20
456	Effect of micro/nano white bamboo fibrils on physical characteristics of epoxy resin reinforced composites. <i>Cellulose</i> , <b>2017</b> , 24, 5475-5486	5.5	32
455	Analysis of the static yield stress for giant electrorheological fluids <b>2017</b> , 29, 215-218		2
454	Fabrication of self-assembled polyaniline tubes and their electrorheological characteristics. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , <b>2017</b> , 530, 227-234	5.1	21
453	Enhanced magnetorheological response of magnetic chromium dioxide nanoparticle added carbonyl iron suspension. <i>Smart Materials and Structures</i> , <b>2017</b> , 26, 095006	3.4	12
452	Fe <sub>3</sub> O <sub>4</sub> nanoparticle-embedded polystyrene composite particles fabricated via a Shirasu porous glass membrane technique and their magnetorheology. <i>Polymer</i> , <b>2017</b> , 125, 21-29	3.9	20
451	Synthesis of poly(methyl methacrylate)/graphene oxide nanocomposite particles via Pickering emulsion polymerization and their viscous response under an electric field. <i>Macromolecular Research</i> , <b>2017</b> , 25, 565-571	1.9	20
450	Rheological analysis of magnetite added carbonyl iron based magnetorheological fluid. <i>Journal of Magnetism and Magnetic Materials</i> , <b>2017</b> , 444, 161-167	2.8	35
449	Polymeric Nanoparticle-Coated Pickering Emulsion-Synthesized Conducting Polyaniline Hybrid Particles and Their Electrorheological Study. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2017</b> , 9, 44811-44819	8.5	16
448	Fabrication of poly(o-anisidine) coated silica core-shell microspheres and their electrorheological response. <i>Materials Research Express</i> , <b>2017</b> , 4, 116310	1.7	5
447	Characteristics and applications of magnetized water as a green technology. <i>Journal of Cleaner Production</i> , <b>2017</b> , 161, 908-921	10.3	76
446	Modified silane-coated carbonyl iron/natural rubber composite elastomer and its magnetorheological performance. <i>Composite Structures</i> , <b>2017</b> , 160, 1020-1026	5.3	53
445	Magnetorheology of Snowman-Like Anisotropic Microparticle Added Carbonyl Iron Suspension. <i>IEEE Transactions on Magnetics</i> , <b>2017</b> , 53, 1-4	2	1
444	Role of Bio-Based Polymers on Improving Turbulent Flow Characteristics: Materials and Application. <i>Polymers</i> , <b>2017</b> , 9,	4.5	20
443	Applications of Water-Soluble Polymers in Turbulent Drag Reduction. <i>Processes</i> , <b>2017</b> , 5, 24	2.9	24
442	Effects of surface treatment on magnetic carbonyl iron/polyaniline microspheres and their magnetorheological study. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , <b>2017</b> , 531, 48-55	5.1	28
441	Synthesis and electrorheological characteristics of polyaniline@attapulgitite nanoparticles via Pickering emulsion polymerization. <i>Materials Letters</i> , <b>2017</b> , 204, 42-44	3.3	15
440	Magnetic carbonyl iron/natural rubber composite elastomer and its magnetorheology. <i>Composite Structures</i> , <b>2016</b> , 136, 106-112	5.3	106

439	Fabrication and magnetic stimuli-response of polydopamine-coated core-shell structured carbonyl iron microspheres. <i>Colloid and Polymer Science</i> , <b>2016</b> , 294, 329-337	2.4	14
438	Enhanced Rate Division Multiple Access for Electromagnetic Nanonetworks. <i>IEEE Sensors Journal</i> , <b>2016</b> , 16, 7287-7296	4	9
437	Synchronized oscillations of dimers in biphasic charged fd-virus suspensions. <i>Physical Review E</i> , <b>2016</b> , 94, 020602	2.4	6
436	Fabrication and viscoelastic characteristics of waste tire rubber based magnetorheological elastomer. <i>Smart Materials and Structures</i> , <b>2016</b> , 25, 115026	3.4	14
435	Formation of core-shell structured complex microparticles during fabrication of magnetorheological elastomers and their magnetorheological behavior. <i>Smart Materials and Structures</i> , <b>2016</b> , 25, 115028	3.4	10
434	Stimuli-responsive polyaniline coated silica microspheres and their electrorheology. <i>Smart Materials and Structures</i> , <b>2016</b> , 25, 055020	3.4	18
433	Facile fabrication of core/shell structured SiO <sub>2</sub> /polypyrrole nanoparticles with surface modification and their electrorheology. <i>RSC Advances</i> , <b>2016</b> , 6, 56495-56502	3.7	31
432	Molecularly thin fluoro-polymeric nanolubricant films: tribology, rheology, morphology, and applications. <i>Soft Matter</i> , <b>2016</b> , 12, 2816-25	3.6	3
431	Magnetorheological Characteristics of Nano-Sized Iron Oxide Coated Polyaniline Composites. <i>IEEE Transactions on Magnetics</i> , <b>2016</b> , 52, 1-4	2	6
430	Enhancement of Interlaminar Fracture Toughness of Carbon Fiber/Epoxy Composites Using Silk Fibroin Electrospun Nanofibers. <i>Polymer-Plastics Technology and Engineering</i> , <b>2016</b> , 55, 1048-1056		23
429	Fabrication and stimuli response of rice husk-based microcrystalline cellulose particle suspension under electric fields. <i>Cellulose</i> , <b>2016</b> , 23, 185-197	5.5	20
428	Core-shell structured Fe <sub>3</sub> O <sub>4</sub> @SiO <sub>2</sub> nanoparticles fabricated by sol-gel method and their magnetorheology. <i>Colloid and Polymer Science</i> , <b>2016</b> , 294, 647-655	2.4	49
427	Mechanical degradation of water-soluble acrylamide copolymer under a turbulent flow: Effect of molecular weight and temperature. <i>Journal of Industrial and Engineering Chemistry</i> , <b>2016</b> , 33, 156-161	6.3	16
426	Static yield stress of a magnetorheological fluid containing Pickering emulsion polymerized Fe <sub>2</sub> O <sub>3</sub> /polystyrene composite particles. <i>Journal of Colloid and Interface Science</i> , <b>2016</b> , 463, 272-8	9.3	30
425	Synthesis of kenaf cellulose carbamate and its smart electric stimuli-response. <i>Carbohydrate Polymers</i> , <b>2016</b> , 137, 693-700	10.3	14
424	Eco-friendly mass production of poly(p-phenylenediamine)/graphene oxide nanoplatelet composites and their electrorheological characteristics. <i>Composites Science and Technology</i> , <b>2016</b> , 122, 36-41	8.6	28
423	Fabrication of adduct filled glass fiber/epoxy resin laminate composites and their physical characteristics. <i>Polymer Bulletin</i> , <b>2016</b> , 73, 1373-1391	2.4	20
422	Stimuli-Responsive Polymer-Clay Nanocomposites under Electric Fields. <i>Materials</i> , <b>2016</b> , 9,	3.5	6

4 <sup>21</sup>	Stability Study of Flexible 6,13-Bis(triisopropylsilylethynyl)pentacene Thin-Film Transistors with a Cross-Linked Poly(4-vinylphenol)/Yttrium Oxide Nanocomposite Gate Insulator. <i>Polymers</i> , <b>2016</b> , 8,	4.5	12
4 <sup>20</sup>	Thermal, Mechanical, and Rheological Characterization of Polylactic Acid/Halloysite Nanotube Nanocomposites. <i>Journal of Macromolecular Science - Physics</i> , <b>2016</b> , 55, 680-692	1.4	15
4 <sup>19</sup>	Fabrication of dopamine grafted polyaniline/carbonyl iron core-shell typed microspheres and their magnetorheology. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , <b>2016</b> , 500, 137-145	5.1	17
4 <sup>18</sup>	Fabrication of magnetite-coated attapulgite magnetic composite nanoparticles and their magnetorheology. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , <b>2016</b> , 507, 103-109	5.1	9
4 <sup>17</sup>	Highly transparent electrorheological fluids of silica nanoparticles: the effect of urea modification. <i>Journal of Materials Chemistry C</i> , <b>2016</b> , 4, 7875-7882	7.1	13
4 <sup>16</sup>	Large scale and facile sonochemical synthesis of magnetic graphene oxide nanocomposites and their dual electro/magneto-stimuli responses. <i>RSC Advances</i> , <b>2016</b> , 6, 77925-77930	3.7	12
4 <sup>15</sup>	Effect of a hard magnetic particle additive on rheological characteristics of microspherical carbonyl iron-based magnetorheological fluid. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , <b>2016</b> , 506, 812-820	5.1	46
4 <sup>14</sup>	Fabrication of smart magnetite/reduced graphene oxide composite nanoparticles and their magnetic stimuli-response. <i>Journal of Colloid and Interface Science</i> , <b>2016</b> , 481, 194-200	9.3	14
4 <sup>13</sup>	Graphene oxide/poly(2-methylaniline) composite particle suspension and its electro-response. <i>Materials Chemistry and Physics</i> , <b>2015</b> , 153, 443-449	4.4	20
4 <sup>12</sup>	Effect of salt on turbulent drag reduction of xanthan gum. <i>Carbohydrate Polymers</i> , <b>2015</b> , 121, 342-7	10.3	23
4 <sup>11</sup>	Yield stress analysis of electrorheological suspensions containing core-shell structured anisotropic poly(methyl methacrylate) microparticles. <i>Polymers for Advanced Technologies</i> , <b>2015</b> , 26, 117-120	3.2	9
4 <sup>10</sup>	Enhanced magnetorheology of soft magnetic carbonyl iron suspension with hard magnetic Fe <sub>2</sub> O <sub>3</sub> nanoparticle additive. <i>Colloid and Polymer Science</i> , <b>2015</b> , 293, 641-647	2.4	44
4 <sup>09</sup>	Fabrication of natural rubber/epoxidized natural rubber/nanosilica nanocomposites and their physical characteristics. <i>Macromolecular Research</i> , <b>2015</b> , 23, 284-290	1.9	19
4 <sup>08</sup>	Pickering emulsion polymerized smart magnetic poly(methyl methacrylate)/Fe <sub>2</sub> O <sub>3</sub> composite particles and their stimulus-response. <i>RSC Advances</i> , <b>2015</b> , 5, 23094-23100	3.7	18
4 <sup>07</sup>	Additive role of attapulgite nanoclay on carbonyl iron-based magnetorheological suspension. <i>Colloid and Polymer Science</i> , <b>2015</b> , 293, 89-95	2.4	23
4 <sup>06</sup>	Effect of surface treatment on magnetorheological characteristics of core-shell structured soft magnetic carbonyl iron particles. <i>Colloid and Polymer Science</i> , <b>2015</b> , 293, 2647-2654	2.4	15
4 <sup>05</sup>	On Interaction Characteristics of Polyhedral Oligomeric Silsesquioxane Containing Polymer Nanohybrids. <i>Polymer Bulletin</i> , <b>2015</b> , 72, 2331-2352	2.4	8
4 <sup>04</sup>	Magnetorheology of iron associated magnetic metal-organic framework nanoparticle. <i>Journal of Applied Physics</i> , <b>2015</b> , 117, 17C732	2.5	4

403	Fabrication of electric-stimuli responsive polyaniline/laponite composite and its viscoelastic and dielectric characteristics. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , <b>2015</b> , 482, 670-677	5.1	14
402	Polishing characteristics of optical glass using PMMA-coated carbonyl-iron-based magnetorheological fluid. <i>Smart Materials and Structures</i> , <b>2015</b> , 24, 065002	3.4	13
401	Fabrication of polyaniline coated iron oxide hybrid particles and their dual stimuli-response under electric and magnetic fields. <i>EXPRESS Polymer Letters</i> , <b>2015</b> , 9, 736-743	3.4	58
400	Magnetite/polypyrrole core-shell structured microspheres and their dual stimuli-response under electric and magnetic fields. <i>Journal of Materials Chemistry C</i> , <b>2015</b> , 3, 3150-3158	7.1	61
399	Hydrothermal fabrication of octahedral-shaped Fe <sub>3</sub> O <sub>4</sub> nanoparticles and their magnetorheological response. <i>Journal of Applied Physics</i> , <b>2015</b> , 117, 17E708	2.5	24
398	Graphene/graphene oxide: A new material for electrorheological and magnetorheological applications. <i>Journal of Intelligent Material Systems and Structures</i> , <b>2015</b> , 26, 1826-1835	2.3	16
397	Magnetorheology of a Carbonyliron Microsphere Suspension with a Halloysite Additive and Its Damping Force Characteristics. <i>Industrial &amp; Engineering Chemistry Research</i> , <b>2015</b> , 54, 4655-4663	3.9	7
396	Magnetorheology of Core-Shell Structured Carbonyl Iron/Polystyrene Foam Microparticles Suspension with Enhanced Stability. <i>Macromolecules</i> , <b>2015</b> , 48, 7311-7319	5.5	61
395	Conducting poly(N-methylaniline)-coated cross-linked poly(methyl methacrylate) nanoparticle suspension and its steady shear response under electric fields. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , <b>2015</b> , 481, 506-513	5.1	10
394	Pickering emulsion polymerized poly(3,4-ethylenedioxythiophene):poly(styrenesulfonate)/polystyrene composite particles and their electric stimuli-response. <i>RSC Advances</i> , <b>2015</b> , 5, 72387-72393	3.7	22
393	Seeded swelling polymerized sea urchin-like core-shell typed polystyrene/polyaniline particles and their electric stimuli-response. <i>RSC Advances</i> , <b>2015</b> , 5, 81546-81553	3.7	21
392	Celebrating Soft Matter's 10th anniversary: stimuli-responsive Pickering emulsion polymerized smart fluids. <i>Soft Matter</i> , <b>2015</b> , 11, 646-54	3.6	44
391	Core-shell structured poly(methyl methacrylate)-coated zirconium dioxide nanoparticle and its dispersion stability. <i>Journal of Industrial and Engineering Chemistry</i> , <b>2015</b> , 21, 145-150	6.3	9
390	Enhanced oil recovery performance and viscosity characteristics of polysaccharide xanthan gum solution. <i>Journal of Industrial and Engineering Chemistry</i> , <b>2015</b> , 21, 741-745	6.3	124
389	Monodisperse poly(2-methylaniline) coated polystyrene core-shell microspheres fabricated by controlled releasing process and their electrorheological stimuli-response under electric fields. <i>Journal of Colloid and Interface Science</i> , <b>2015</b> , 440, 9-15	9.3	21
388	Influence of the surface properties of polymeric insulators on the electrical stability of 6,13-bis(triisopropylsilylethynyl)-pentacene thin-film transistors. <i>Journal of the Korean Physical Society</i> , <b>2015</b> , 67, 2124-2130	0.6	1
387	The comparison between the effects of solvent casting and melt intercalation mixing processes on different characteristics of polylactide-nanographite platelets composites. <i>Polymer Engineering and Science</i> , <b>2015</b> , 55, 1560-1570	2.3	15
386	Core-Shell-Structured Copolyaniline-Coated Polymeric Nanoparticle Suspension and Its Viscoelastic Response under Various Electric Fields. <i>Materials</i> , <b>2015</b> , 8, 4932-4942	3.5	7

385	Electric Field-Responsive Mesoporous Suspensions: A Review. <i>Nanomaterials</i> , <b>2015</b> , 5, 2249-2267	5.4	22
384	Turbulent Drag Reduction with Polymers in Rotating Disk Flow. <i>Polymers</i> , <b>2015</b> , 7, 1279-1298	4.5	16
383	Graphene and Graphene Oxide Composites and Their Electrorheological Applications. <i>Journal of Nanomaterials</i> , <b>2015</b> , 2015, 1-8	3.2	9
382	Thermorheological properties of nano-magnetorheological fluid in dynamic mode: experimental investigation. <i>Smart Materials and Structures</i> , <b>2015</b> , 24, 057001	3.4	5
381	Magnetorheology of core-shell typed dual-coated carbonyl iron particle fabricated by a sol-gel and self-assembly process. <i>Materials Research Bulletin</i> , <b>2015</b> , 69, 92-97	5.1	24
380	Fabrication of spherical Fe <sub>3</sub> O <sub>4</sub> particles with a solvothermal method and their magnetorheological characteristics. <i>Journal of Industrial and Engineering Chemistry</i> , <b>2015</b> , 29, 129-133	6.3	40
379	Light-induced characteristic variations in organic thin-film transistors with a poly(vinylphenol-co-methyl methacrylate)/titanium-dioxide nanocomposite gate dielectric. <i>Journal of the Korean Physical Society</i> , <b>2015</b> , 67, 1853-1858	0.6	2
378	Hollow Structured Magnetic Particles of CoFe <sub>2</sub> O <sub>4</sub> and Their Magnetorheological Characteristics. <i>IEEE Transactions on Magnetism</i> , <b>2015</b> , 51, 1-4	2	6
377	Carbonyl Iron Suspension With Core-shell Structured Fe <sub>3</sub> O <sub>4</sub> @SiO <sub>2</sub> Nanoparticle Additives and its Magnetorheological Property. <i>IEEE Transactions on Magnetism</i> , <b>2015</b> , 51, 1-4	2	7
376	Rheological analysis of graphene oxide coated anisotropic PMMA microsphere based electrorheological fluid from Couette flow geometry. <i>Journal of Industrial and Engineering Chemistry</i> , <b>2015</b> , 21, 172-177	6.3	14
375	Synthesized palygorskite/polyaniline nanocomposite particles by oxidative polymerization and their electrorheology. <i>Applied Clay Science</i> , <b>2015</b> , 107, 165-172	5.2	29
374	Conducting polyaniline-wrapped sepiolite composite and its stimuli-response under applied electric fields. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , <b>2015</b> , 469, 20-28	5.1	12
373	Facile synthesis of polyaniline nanotubes and their enhanced stimuli-response under electric fields. <i>RSC Advances</i> , <b>2015</b> , 5, 11905-11912	3.7	18
372	Polyaniline/Fe composite nanofiber added softmagnetic carbonyl iron microsphere suspension and its magnetorheology. <i>Journal of Materials Chemistry C</i> , <b>2015</b> , 3, 1861-1868	7.1	39
371	Self-assembly of graphene oxide coated soft magnetic carbonyl iron particles and their magnetorheology. <i>Journal of Applied Physics</i> , <b>2014</b> , 115, 17B508	2.5	13
370	Fabrication of anisotropic snowman-like magnetic particles and their magnetorheological response. <i>Journal of Applied Physics</i> , <b>2014</b> , 115, 17B529	2.5	7
369	Polypyrrole-wrapped halloysite nanocomposite and its rheological response under electric fields. <i>Journal of Materials Science</i> , <b>2014</b> , 49, 7309-7316	4.3	16
368	Graphene oxide based smart fluids. <i>Soft Matter</i> , <b>2014</b> , 10, 6601-8	3.6	54

367	Enhanced effect of dopant on polyaniline nanofiber based electrorheological response. <i>Materials Chemistry and Physics</i> , <b>2014</b> , 147, 843-849	4.4	11
366	Core-shell-structured monodisperse copolymer/silica particle suspension and its electrorheological response. <i>Langmuir</i> , <b>2014</b> , 30, 1729-34	4	33
365	Pickering emulsion-fabricated polystyrene/graphene oxide microspheres and their electrorheology. <i>Journal of Materials Chemistry C</i> , <b>2014</b> , 2, 7541	7.1	65
364	Dispersion study of nanofibrillated cellulose based poly(butylene adipate-co-terephthalate) composites. <i>Carbohydrate Polymers</i> , <b>2014</b> , 102, 537-42	10.3	51
363	Core-shell structured poly(2-ethylaniline) coated crosslinked poly(methyl methacrylate) nanoparticles by graft polymerization and their electrorheology. <i>RSC Advances</i> , <b>2014</b> , 4, 28511	3.7	26
362	Magnetic Carbonyl Iron Suspension with Sepiolite Additive and Its Magnetorheological Property. <i>IEEE Transactions on Magnetics</i> , <b>2014</b> , 50, 1-4	2	11
361	Core-Shell Structured Polystyrene Coated Carbonyl Iron Microspheres and their Magnetorheology. <i>IEEE Transactions on Magnetics</i> , <b>2014</b> , 50, 1-4	2	19
360	Urchin-like polyaniline microspheres fabricated from self-assembly of polyaniline nanowires and their electro-responsive characteristics. <i>Chemical Engineering Journal</i> , <b>2014</b> , 235, 186-190	14.7	30
359	Effect of Graphene Oxide on Carbonyl-Iron-Based Magnetorheological Fluid. <i>IEEE Transactions on Magnetics</i> , <b>2014</b> , 50, 1-4	2	10
358	Surface modification of inorganic black particles for electrophoretic display. <i>Journal of the Korean Physical Society</i> , <b>2014</b> , 65, 1520-1523	0.6	
357	Poly(4-vinylphenol-co-methyl methacrylate)/titanium dioxide nanocomposite gate insulators for 6,13-bis(triisopropylsilylethynyl)-pentacene thin-film transistors. <i>Journal of the Korean Physical Society</i> , <b>2014</b> , 65, 1956-1960	0.6	2
356	Smart Polymer/Carbon Nanotube Nanocomposites and Their Electrorheological Response. <i>Materials</i> , <b>2014</b> , 7, 3399-3414	3.5	11
355	Core-Shell Structured Electro- and Magneto-Responsive Materials: Fabrication and Characteristics. <i>Materials</i> , <b>2014</b> , 7, 7460-7471	3.5	28
354	Stimuli-Responsive Polymers and Colloids under Electric and Magnetic Fields. <i>Polymers</i> , <b>2014</b> , 6, 2803-2818	4.8	35
353	Effect of Halloysite Clay on Magnetic Carbonyl Iron-Based Magnetorheological Fluid. <i>IEEE Transactions on Magnetics</i> , <b>2014</b> , 50, 1-4	2	10
352	Magnetorheology of suspensions based on graphene oxide coated or added carbonyl iron microspheres and sunflower oil. <i>Journal of Applied Physics</i> , <b>2014</b> , 116, 153508	2.5	16
351	Electrorheological activity generation by graphene oxide coating on low-dielectric silica particles. <i>RSC Advances</i> , <b>2014</b> , 4, 62644-62650	3.7	28
350	Modeling and analysis of an electrorheological flow behavior containing semiconducting graphene oxide/polyaniline composite particles. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , <b>2014</b> , 457, 363-367	5.1	21



349	Brake performance of core-shell structured carbonyl iron/silica based magnetorheological suspension. <i>Journal of Magnetism and Magnetic Materials</i> , <b>2014</b> , 367, 69-74	2.8	17
348	Fabrication of ammonium persulfate coated silica microsphere via chemical grafting and its electrorheology. <i>Journal of Materials Science</i> , <b>2014</b> , 49, 2618-2623	4.3	17
347	Core-shell-structured cross-linked poly(glycidyl methacrylate)-coated carbonyl iron microspheres and their magnetorheology. <i>Journal of Materials Science</i> , <b>2014</b> , 49, 1345-1352	4.3	48
346	Effect of Additive-added Epoxy on Mechanical and Dielectric Characteristics of Glass Fiber Reinforced Epoxy Composites. <i>Porrime</i> , <b>2014</b> , 38, 726-734	1	18
345	Rheology and polymer flooding characteristics of partially hydrolyzed polyacrylamide for enhanced heavy oil recovery. <i>Journal of Applied Polymer Science</i> , <b>2013</b> , 127, 4833-4839	2.9	125
344	Carbonyl iron suspension with halloysite additive and its magnetorheology. <i>Applied Clay Science</i> , <b>2013</b> , 80-81, 366-371	5.2	27
343	Iron oxide/MCM-41 mesoporous nanocomposites and their magnetorheology. <i>Colloid and Polymer Science</i> , <b>2013</b> , 291, 1895-1901	2.4	7
342	Electrorheological and magnetorheological response of polypyrrole/magnetite nanocomposite particles. <i>Colloid and Polymer Science</i> , <b>2013</b> , 291, 1781-1786	2.4	30
341	Magnetorheology of xanthan-gum-coated soft magnetic carbonyl iron microspheres and their polishing characteristics. <i>Journal of the Korean Physical Society</i> , <b>2013</b> , 62, 2118-2122	0.6	10
340	Facile and fast synthesis of polyaniline-coated poly(glycidyl methacrylate) core-shell microspheres and their electro-responsive characteristics. <i>Journal of Colloid and Interface Science</i> , <b>2013</b> , 402, 100-6	9.3	40
339	Graphene oxide nanocomposites and their electrorheology. <i>Materials Research Bulletin</i> , <b>2013</b> , 48, 4997-5002	5.0	11
338	Nanoporous Fe-MCM-22 Additive Effect on Magnetorheological Response of Magnetic Carbonyl Iron Suspension. <i>IEEE Transactions on Magnetics</i> , <b>2013</b> , 49, 3410-3413	2	6
337	Submicron Magnetic Particles of $\text{Mn}_{0.25}\text{Fe}_{2.75}\text{O}_4$ and Their Magnetorheological Characteristics. <i>IEEE Transactions on Magnetics</i> , <b>2013</b> , 49, 3406-3409	2	3
336	Optically transparent electrorheological fluid with urea-modified silica nanoparticles and its haptic display application. <i>Journal of Colloid and Interface Science</i> , <b>2013</b> , 404, 56-61	9.3	29
335	Recent progress in smart polymer composite particles in electric and magnetic fields. <i>Polymer International</i> , <b>2013</b> , 62, 147-151	3.3	24
334	Silica-coated carbonyl iron microsphere based magnetorheological fluid and its damping force characteristics. <i>Smart Materials and Structures</i> , <b>2013</b> , 22, 065022	3.4	28
333	Facile fabrication of Pickering emulsion polymerized polystyrene/laponite composite nanoparticles and their electrorheology. <i>Journal of Colloid and Interface Science</i> , <b>2013</b> , 394, 108-14	9.3	42
332	Generalized yield stress equation for electrorheological fluids. <i>Journal of Colloid and Interface Science</i> , <b>2013</b> , 409, 259-63	9.3	13

331	Pickering-emulsion-polymerized polystyrene/Fe <sub>2</sub> O <sub>3</sub> composite particles and their magneto-responsive characteristics. <i>Langmuir</i> , <b>2013</b> , 29, 4959-65	4	110
330	Ultrasonically prepared polystyrene/multi-walled carbon nanotube nanocomposites. <i>Journal of Materials Science</i> , <b>2013</b> , 48, 3088-3096	4.3	16
329	Xanthan gum-coated soft magnetic carbonyl iron composite particles and their magnetorheology. <i>Colloid and Polymer Science</i> , <b>2013</b> , 291, 963-969	2.4	13
328	Yield stress analysis of 1D calcium and titanium precipitate-based giant electrorheological fluids. <i>Colloid and Polymer Science</i> , <b>2013</b> , 291, 1267-1270	2.4	9
327	Enhanced Piezoelectric Properties of Electrospun Poly(vinylidene fluoride)/Multiwalled Carbon Nanotube Composites Due to High Phase Formation in Poly(vinylidene fluoride). <i>Journal of Physical Chemistry C</i> , <b>2013</b> , 117, 11791-11799	3.8	156
326	Fabrication and electrorheology of graphene oxide/ionic N-substituted copolyaniline composite. <i>Colloid and Polymer Science</i> , <b>2013</b> , 291, 1401-1408	2.4	10
325	Core-shell structured graphene oxide-adsorbed anisotropic poly(methyl methacrylate) microparticles and their electrorheology. <i>RSC Advances</i> , <b>2013</b> , 3, 11723	3.7	28
324	Physical characteristics of magnetorheological suspensions and their applications. <i>Journal of Industrial and Engineering Chemistry</i> , <b>2013</b> , 19, 394-406	6.3	137
323	Facile fabrication of self-assembled PMMA/graphene oxide composite particles and their electroresponsive properties. <i>Colloid and Polymer Science</i> , <b>2013</b> , 291, 955-962	2.4	31
322	Surface force arising from adsorbed graphene oxide in alumina suspensions with different shape and size. <i>AIChE Journal</i> , <b>2013</b> , 59, 3633-3641	3.6	9
321	Facile Fabrication of Chemically Grafted Graphene Oxide/Poly(glycidyl methacrylate) Composite Microspheres and Their Electrorheology. <i>Macromolecular Chemistry and Physics</i> , <b>2013</b> , 214, 1415-1422	2.6	25
320	Fabrication and characterization of core-shell structured black pigment particles for electrophoretic display. <i>Journal of Nanoscience and Nanotechnology</i> , <b>2013</b> , 13, 4279-82	1.3	3
319	Carbonyl iron particles dispersed in a polymer solution and their rheological characteristics under applied magnetic field. <i>Journal of Industrial and Engineering Chemistry</i> , <b>2012</b> , 18, 664-667	6.3	41
318	Thermodynamic interaction and mechanical characteristics of Nylon 6 and polyhedral oligomeric silsesquioxane nanohybrids. <i>Journal of Materials Science</i> , <b>2012</b> , 47, 308-314	4.3	16
317	New analysis of yield stress on giant electrorheological fluids. <i>Colloid and Polymer Science</i> , <b>2012</b> , 290, 189-192	2.4	20
316	Dynamic response of a graphene oxide-polyaniline composite suspension under an applied electric field. <i>Journal of the Korean Physical Society</i> , <b>2012</b> , 61, 1422-1425	0.6	5
315	Silica-graphene oxide hybrid composite particles and their electroresponsive characteristics. <i>Langmuir</i> , <b>2012</b> , 28, 7055-62	4	132
314	Polymeric colloidal magnetic composite microspheres and their magneto-responsive characteristics. <i>Macromolecular Research</i> , <b>2012</b> , 20, 1211-1218	1.9	21

313	Field-responsive smart composite particle suspension: materials and rheology <b>2012</b> , 24, 147-153		4
312	Graphene oxide added carbonyl iron microsphere system and its magnetorheology under applied magnetic fields. <i>Journal of Applied Physics</i> , <b>2012</b> , 111, 07E724	2.5	19
311	Carbon nanotube coated snowman-like particles and their electro-responsive characteristics. <i>Chemical Communications</i> , <b>2012</b> , 48, 136-8	5.8	49
310	A simplified model for analyzing the flow behavior of electrorheological fluids containing silica nanoparticle-decorated polyaniline nanofibers. <i>Soft Matter</i> , <b>2012</b> , 8, 4659	3.6	44
309	Analysis of Gas Permeability Characteristics of Poly(Lactic Acid)/Poly(Butylene Succinate) Nanocomposites. <i>Journal of Nanomaterials</i> , <b>2012</b> , 2012, 1-11	3.2	26
308	Multi-Walled Carbon Nanotube/Biodegradable Poly(butyleneadipate-co-butylene terephthalate) Nanocomposites and Their Physical Characteristics. <i>Journal of Macromolecular Science - Physics</i> , <b>2012</b> , 51, 125-133	1.4	18
307	Electrorheological fluids: smart soft matter and characteristics. <i>Soft Matter</i> , <b>2012</b> , 8, 11961	3.6	188
306	Magnetorheological response of soft-magnetic carbonyl iron microbeads dispersed in a poly(ethylene oxide) solution. <i>Journal of the Korean Physical Society</i> , <b>2012</b> , 61, 1413-1417	0.6	2
305	Carbon nanotube-coated silicated soft magnetic carbonyl iron microspheres and their magnetorheology. <i>Journal of Applied Physics</i> , <b>2012</b> , 111, 07B502	2.5	22
304	Carbon nanotube coated magnetic carbonyl iron microspheres prepared by solvent casting method and their magneto-responsive characteristics. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , <b>2012</b> , 412, 47-56	5.1	36
303	Surfactant effect on functionalized carbon nanotube coated snowman-like particles and their electro-responsive characteristics. <i>Materials Research Bulletin</i> , <b>2012</b> , 47, 2752-2755	5.1	6
302	Fabrication of semiconducting polyaniline-wrapped halloysite nanotube composite and its electrorheology. <i>Colloid and Polymer Science</i> , <b>2012</b> , 290, 1743-1748	2.4	26
301	Synthesis and characteristics of snowman-like fluorescent PMMA microbeads. <i>Colloid and Polymer Science</i> , <b>2012</b> , 290, 1703-1706	2.4	8
300	Conducting Material-incorporated Electrorheological Fluids: Core-shell Structured Spheres. <i>Australian Journal of Chemistry</i> , <b>2012</b> , 65, 1195	1.2	16
299	Electrorheology of graphene oxide. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2012</b> , 4, 2267-72	9.5	100
298	Ultrathin polydimethylsiloxane-coated carbonyl iron particles and their magnetorheological characteristics. <i>Colloid and Polymer Science</i> , <b>2012</b> , 290, 1093-1098	2.4	14
297	Magnetic field intensity effect on plane electric capacitor characteristics and viscoelasticity of magnetorheological elastomer. <i>Colloid and Polymer Science</i> , <b>2012</b> , 290, 1115-1122	2.4	69
296	Pickering emulsion polymerization of core-shell-structured polyaniline@SiO <sub>2</sub> nanoparticles and their electrorheological response. <i>Colloid and Polymer Science</i> , <b>2012</b> , 290, 855-860	2.4	27

295	Fabrication of semiconducting graphene oxide/polyaniline composite particles and their electrorheological response under an applied electric field. <i>Carbon</i> , <b>2012</b> , 50, 290-296	10.4	82
294	Transparent thiourea treated silica suspension through refractive index matching method and its electrorheology. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , <b>2012</b> , 397, 80-84	5.1	5
293	Controllable fabrication of silica encapsulated soft magnetic microspheres with enhanced oxidation-resistance and their rheology under magnetic field. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , <b>2012</b> , 403, 133-138	5.1	46
292	Polyphenylene Ether/Glycol Modified Polyethylene Terephthalate Blends and their Physical Characteristics. <i>Journal of Macromolecular Science - Physics</i> , <b>2012</b> , 51, 798-806	1.4	6
291	Effect of Medium Oil on Magnetorheology of Soft Carbonyl Iron Particles. <i>IEEE Transactions on Magnetics</i> , <b>2012</b> , 48, 3442-3445	2	42
290	Polyamide Coated Soft Magnetic Microspheres and Their Magnetorheology. <i>IEEE Transactions on Magnetics</i> , <b>2012</b> , 48, 3446-3449	2	6
289	Novel architecture of carbon nanotube decorated poly(methyl methacrylate) microbead vapour sensors assembled by spray layer by layer. <i>Journal of Materials Chemistry</i> , <b>2011</b> , 21, 4142		66
288	A review on melt-state viscoelastic properties of polymer nanocomposites. <i>Journal of Nanoscience and Nanotechnology</i> , <b>2011</b> , 11, 8421-49	1.3	19
287	Carboxylic acid functionalized MWNT coated poly(methyl methacrylate) microspheres and their electroresponse. <i>Diamond and Related Materials</i> , <b>2011</b> , 20, 275-278	3.5	16
286	Graphene oxide coated core-shell structured polystyrene microspheres and their electrorheological characteristics under applied electric field. <i>Journal of Materials Chemistry</i> , <b>2011</b> , 21, 6916		136
285	Core-shell structured carbonyl iron microspheres prepared via dual-step functionality coatings and their magnetorheological response. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2011</b> , 3, 3487-95	9.5	135
284	Well controlled core/shell type polymeric microspheres coated with conducting polyaniline: fabrication and electrorheology. <i>RSC Advances</i> , <b>2011</b> , 1, 1026	3.7	31
283	Fabrication and Thermal Characteristics of Liquid Crystalline Copolyester/OMMT Nanocomposite Films. <i>Journal of Macromolecular Science - Physics</i> , <b>2011</b> , 50, 614-623	1.4	1
282	Analysis of the flow behavior of electrorheological fluids with the aligned structure reformation. <i>Polymer</i> , <b>2011</b> , 52, 5695-5698	3.9	34
281	Magnetic Carbonyl Iron Particle Dispersed in Viscoelastic Fluid and Its Magnetorheological Property. <i>IEEE Transactions on Magnetics</i> , <b>2011</b> , 47, 3173-3176	2	21
280	Effect of polymer-surfactant interaction on its turbulent drag reduction. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , <b>2011</b> , 391, 125-129	5.1	24
279	Nano-sized Fe soft-magnetic particle and its magnetorheology. <i>Colloid and Polymer Science</i> , <b>2011</b> , 289, 79-83	2.4	22
278	Soft magnetic carbonyl iron microsphere dispersed in grease and its rheological characteristics under magnetic field. <i>Colloid and Polymer Science</i> , <b>2011</b> , 289, 381-386	2.4	52

277	Rheology of organoclay suspension. <i>Colloid and Polymer Science</i> , <b>2011</b> , 289, 1119-1125	2.4	28
276	Core-shell-structured silica-coated magnetic carbonyl iron microbead and its magnetorheology with anti-acidic characteristics. <i>Colloid and Polymer Science</i> , <b>2011</b> , 289, 1295-1298	2.4	70
275	Turbulent drag reduction characteristics of poly(acrylamide-co-acrylic acid) in a rotating disk apparatus. <i>Colloid and Polymer Science</i> , <b>2011</b> , 289, 1821-1827	2.4	17
274	Synthetic aliphatic biodegradable poly(butylene succinate)/clay nanocomposite foams with high blowing ratio and their physical characteristics. <i>Polymer Engineering and Science</i> , <b>2011</b> , 51, 1316-1324	2.3	29
273	Rectangular-Shaped Polyaniline Tubes Covered with Nanorods and their Electrorheology. <i>Macromolecular Chemistry and Physics</i> , <b>2011</b> , 212, 2300-2307	2.6	33
272	Core-shell structured monodisperse poly(3,4-ethylenedioxythiophene)/poly(styrenesulfonic acid) coated polystyrene microspheres and their electrorheological response. <i>Macromolecular Rapid Communications</i> , <b>2011</b> , 32, 881-6	4.8	46
271	Synthetic Aliphatic Biodegradable Poly(Butylene Succinate)/MWNT Nanocomposite Foams and Their Physical Characteristics. <i>Journal of Macromolecular Science - Physics</i> , <b>2011</b> , 50, 1171-1184	1.4	25
270	Smart monodisperse polystyrene/polyaniline core-shell structured hybrid microspheres fabricated by a controlled releasing technique and their electro-responsive characteristics. <i>Journal of Materials Chemistry</i> , <b>2011</b> , 21, 17396		91
269	Electrorheological Fluids: Materials and Rheology <b>2011</b> , 285-302		1
268	Fast and facile fabrication of a graphene oxide/titania nanocomposite and its electro-responsive characteristics. <i>Chemical Communications</i> , <b>2011</b> , 47, 12286-8	5.8	78
267	Silica nanoparticle decorated polyaniline nanofiber and its electrorheological response. <i>Soft Matter</i> , <b>2011</b> , 7, 2782	3.6	78
266	Magnetic carbonyl iron suspension with organoclay additive and its magnetorheological properties. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , <b>2011</b> , 377, 103-109	5.1	66
265	Fabrication of semiconducting polyaniline/nano-silica nanocomposite particles and their enhanced electrorheological and dielectric characteristics. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , <b>2011</b> , 381, 17-22	5.1	30
264	Preparation of poly(4-vinylphenol)/titanium dioxide composite and its application as a gate dielectric for organic thin-film transistors. <i>Journal of Nanoscience and Nanotechnology</i> , <b>2011</b> , 11, 4466-70 <sup>1-3</sup>		3
263	Comment on 'Fabrication of uniform core-shell structural calcium and titanium precipitation particles and enhanced electrorheological activities'. <i>Nanotechnology</i> , <b>2010</b> , 21, 378001	3.4	5
262	Conducting Nanostructured Polymer Materials and their Electrorheological Application. <i>Journal of Polymer Engineering</i> , <b>2010</b> , 30,	1.4	1
261	Phase transition of conducting polymer/clay nanocomposite suspensions under an electric field. <i>Philosophical Magazine</i> , <b>2010</b> , 90, 2507-2517	1.6	1
260	Electrical Characteristics of Organic Thin-Film Transistors with Polystyrene/Sol-Gel Derived Titania Composite Insulator. <i>Molecular Crystals and Liquid Crystals</i> , <b>2010</b> , 519, 222-226	0.5	2

259	Effects of Moisture on Pentacene Field-Effect Transistors with Polyvinylpyrrolidone Gate Insulator. <i>Molecular Crystals and Liquid Crystals</i> , <b>2010</b> , 531, 14/[314]-20/[320]	0.5	1
258	Polyaniline nanoparticle-carbon nanotube hybrid network vapour sensors with switchable chemo-electrical polarity. <i>Nanotechnology</i> , <b>2010</b> , 21, 255501	3.4	43
257	Effect of Clay on Thermal, Mechanical and Gas Barrier Properties of Biodegradable Poly(lactic acid)/Poly(butylene succinate) (PLA/PBS) Nanocomposites. <i>International Polymer Processing</i> , <b>2010</b> , 25, 5-14	1	36
256	Colloidal graphene oxide/polyaniline nanocomposite and its electrorheology. <i>Chemical Communications</i> , <b>2010</b> , 46, 5596-8	5.8	165
255	Miniemulsion fabricated Fe <sub>3</sub> O <sub>4</sub> /poly(methyl methacrylate) composite particles and their magnetorheological characteristics. <i>Journal of Applied Physics</i> , <b>2010</b> , 107, 09A506	2.5	16
254	Rheological properties of Ag suspended fluid for inkjet printing. <i>Journal of Applied Physics</i> , <b>2010</b> , 108, 102803	2.5	12
253	Synthesis and electrorheological characteristics of polyaniline/organoclay nanoparticles via Pickering emulsion polymerization. <i>Smart Materials and Structures</i> , <b>2010</b> , 19, 124002	3.4	16
252	Sequential coating of magnetic carbonyliron particles with polystyrene and multiwalled carbon nanotubes and its effect on their magnetorheology. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2010</b> , 2, 54-60	9.5	104
251	Fabrication and Physical Characterization of Biodegradable Poly(butylene succinate)/Carbon Nanofiber Nanocomposite Foams. <i>Journal of Macromolecular Science - Physics</i> , <b>2010</b> , 50, 100-110	1.4	20
250	Core-shell structured semiconducting PMMA/polyaniline snowman-like anisotropic microparticles and their electrorheology. <i>Langmuir</i> , <b>2010</b> , 26, 12849-54	4	116
249	Magnetorheology: materials and application. <i>Soft Matter</i> , <b>2010</b> , 6, 5246	3.6	371
248	Novel fabrication of polyaniline particles wrapped by exfoliated clay sheets and their electrorheology. <i>Journal of Nanoscience and Nanotechnology</i> , <b>2010</b> , 10, 285-9	1.3	12
247	Polymer-coated magnetic carbonyl iron microparticles and their magnetorheological characteristics. <i>Korean Journal of Chemical Engineering</i> , <b>2010</b> , 27, 716-722	2.8	22
246	Fabrication of multiwalled carbon nanotube-wrapped magnetic carbonyl iron microspheres and their magnetorheology. <i>Colloid and Polymer Science</i> , <b>2010</b> , 288, 79-84	2.4	48
245	Two-layer coating with polymer and carbon nanotube on magnetic carbonyl iron particle and its magnetorheology. <i>Colloid and Polymer Science</i> , <b>2010</b> , 288, 359-363	2.4	52
244	Electrorheologically intelligent polyaniline and its composites. <i>Macromolecular Research</i> , <b>2010</b> , 18, 99-1129		42
243	Fabrication of poly(methyl methacrylate) microsphere added pressure-sensitive adhesives and their physical characteristics. <i>Journal of Materials Science</i> , <b>2010</b> , 45, 429-434	4.3	2
242	Poly(ethylene terephthalate) and polyhedral oligomeric silsesquioxane nanohybrids and their physical characteristics. <i>Journal of Materials Science</i> , <b>2010</b> , 45, 5984-5987	4.3	10

241	Silica nanoparticle decorated conducting polyaniline fibers and their electrorheology. <i>Materials Letters</i> , <b>2010</b> , 64, 154-156	3.3	40
240	Ternary Poly(styrene-co-acrylonitrile)/Poly(vinyl chloride) Blend Composites with Multi-Walled Carbon Nanotubes and Enhanced Physical Characteristics. <i>Macromolecular Materials and Engineering</i> , <b>2010</b> , 295, 329-335	3.9	13
239	Rheology and Physical Characteristics of Synthetic Biodegradable Aliphatic Polymer Blends Dispersed with MWNTs. <i>Macromolecular Materials and Engineering</i> , <b>2010</b> , 295, 320-328	3.9	59
238	Comment on "Universal yield stress equation for transient response of zeolite based electrorheological fluid". <i>Journal of Colloid and Interface Science</i> , <b>2010</b> , 345, 554-5	9.3	2
237	Anti-static additive for pressure-sensitive adhesives and its effect on light leakage in liquid crystal display. <i>Journal of Industrial and Engineering Chemistry</i> , <b>2010</b> , 16, 162-165	6.3	8
236	Polyhedral oligomeric silsesquioxane and polyethylene nanocomposites and their physical characteristics. <i>Journal of Industrial and Engineering Chemistry</i> , <b>2010</b> , 16, 189-192	6.3	24
235	Comment on Synthesis and electrorheological characteristics of titanate nanotube suspensions under oscillatory shear. <i>Journal of Industrial and Engineering Chemistry</i> , <b>2010</b> , 16, 651-653	6.3	6
234	Rheological analysis of oligomeric perfluoropolyethers. <i>Polymer</i> , <b>2010</b> , 51, 1882-1886	3.9	12
233	Electrorheology of a mesoporous silica having conducting polypyrrole inside expanded pores. <i>Microporous and Mesoporous Materials</i> , <b>2010</b> , 130, 338-343	5.3	27
232	Preparation and interaction characteristics of exfoliated ABS/organoclay nanocomposite. <i>Polymer Engineering and Science</i> , <b>2010</b> , 50, 504-512	2.3	25
231	Preparation of polystyrene/polyaniline composite particles and their electrorheology. <i>Journal of Physics: Conference Series</i> , <b>2009</b> , 149, 012017	0.3	4
230	Pentacene TFT With Reduced Threshold Voltage Using PMMA-co-MAA/Sol-Gel-Derived $\text{TiO}_2$ Composite Insulator. <i>IEEE Electron Device Letters</i> , <b>2009</b> , 30, 1146-1148	4.4	10
229	MAGNETORHEOLOGICAL CHARACTERIZATION OF HOLLOW POLYMER/MAGNETITE MICROSPHERICAL COMPOSITE. <i>International Journal of Modern Physics B</i> , <b>2009</b> , 23, 3613-3618	1.1	3
228	Magnetorheological carbonyl iron particles doubly wrapped with polymer and carbon nanotube. <i>Journal of Applied Physics</i> , <b>2009</b> , 105, 07E703	2.5	47
227	Carboxylic acid functionalized multi-walled carbon nanotube-adsorption onto poly(methyl methacrylate) microspheres. <i>Journal of Nanoscience and Nanotechnology</i> , <b>2009</b> , 9, 1058-61	1.3	8
226	Magnetorheological characteristics of carbon nanotube wrapped carbonyl iron particles. <i>Journal of Physics: Conference Series</i> , <b>2009</b> , 149, 012047	0.3	
225	Magnetic carbonyl iron nanoparticle based magnetorheological suspension and its characteristics. <i>Materials Letters</i> , <b>2009</b> , 63, 1350-1352	3.3	75
224	Fabrication and magnetorheological property of core/shell structured magnetic composite particle encapsulated with cross-linked poly(methyl methacrylate). <i>Materials Letters</i> , <b>2009</b> , 63, 2178-2180	3.3	22

223	Synthesis and Magnetorheological Characterization of Magnetite Nanoparticle and Poly(Vinyl Butyral) Composite. <i>IEEE Transactions on Magnetics</i> , <b>2009</b> , 45, 2460-2463	2	11
222	Magnetorheological Characteristics of Polymer Coated Magnetite Particle Composites With Carbon Nanotube Nanohybrid. <i>IEEE Transactions on Magnetics</i> , <b>2009</b> , 45, 2503-2506	2	8
221	Fabrication of Carbonyl Iron Embedded Polycarbonate Composite Particles and Magnetorheological Characterization. <i>IEEE Transactions on Magnetics</i> , <b>2009</b> , 45, 2507-2510	2	26
220	Effect of Magnetic Nanoparticle Additive on Characteristics of Magnetorheological Fluid. <i>IEEE Transactions on Magnetics</i> , <b>2009</b> , 45, 4045-4048	2	57
219	Structures of Polyaniline Bases: Semi-Empirical Computations. <i>Macromolecular Theory and Simulations</i> , <b>2009</b> , 18, 287-298	1.5	18
218	Electrorheological characteristics of solvent-cast polypyrrole/clay nanocomposite. <i>Journal of Applied Polymer Science</i> , <b>2009</b> , 112, 1365-1371	2.9	10
217	An investigation of melt rheology and thermal stability of poly(lactic acid)/ poly(butylene succinate) nanocomposites. <i>Journal of Applied Polymer Science</i> , <b>2009</b> , 114, 2837-2847	2.9	44
216	Bingham characteristics of polymer-based electrorheological fluids with different electrode gaps and materials. <i>Journal of Applied Polymer Science</i> , <b>2009</b> , 114, 3636-3644	2.9	11
215	Effects of medium oil on electroresponsive characteristics of chitosan suspensions. <i>Colloid and Polymer Science</i> , <b>2009</b> , 287, 583-589	2.4	18
214	Atom transfer radical polymerized PMMA/magnetite nanocomposites and their magnetorheology. <i>Colloid and Polymer Science</i> , <b>2009</b> , 287, 501-504	2.4	24
213	Synthesis and electrorheological response of nano-sized laponite stabilized poly(methyl methacrylate) spheres. <i>Colloid and Polymer Science</i> , <b>2009</b> , 287, 745-749	2.4	36
212	Polymer modified hematite nanoparticles for electrophoretic display. <i>Journal of Electroceramics</i> , <b>2009</b> , 23, 474-477	1.5	10
211	Comment on "Preparation and electrorheology of new mesoporous polypyrrole/MCM-41 suspensions" <i>Journal of Materials Science</i> , <b>2009</b> , 44, 2999-3001	4.3	4
210	Comment on "Study on electrorheological properties of novel polymer-Ce <sup>4+</sup> complex" <i>Journal of Materials Science</i> , <b>2009</b> , 44, 4503-4506	4.3	1
209	Piezoelectric composite forming and its characterization. <i>International Journal of Material Forming</i> , <b>2009</b> , 2, 869-871	2	1
208	Preparation of PE/MWNT nanocomposites by In-situ metallocene polymerization. <i>International Journal of Material Forming</i> , <b>2009</b> , 2, 873-875	2	2
207	Morphological and rheological characterization of multi-walled carbon nanotube/PLA/PBAT blend nanocomposites. <i>Polymer Bulletin</i> , <b>2009</b> , 63, 125-134	2.4	79
206	Pentacene thin-film transistor with poly(methyl methacrylate-co-methacrylic acid)/TiO <sub>2</sub> nanocomposite gate insulator. <i>Thin Solid Films</i> , <b>2009</b> , 518, 588-590	2.2	21



205	Synthesis of core-shell structured PS/Fe <sub>3</sub> O <sub>4</sub> microbeads and their magnetorheology. <i>Polymer</i> , <b>2009</b> , 50, 2290-2293	3.9	105
204	The role of acidic m-cresol in polyaniline doped by camphorsulfonic acid. <i>Polymer</i> , <b>2009</b> , 50, 4372-4377	3.9	51
203	Magnetorheology of soft magnetic carbonyl iron suspension with single-walled carbon nanotube additive and its yield stress scaling function. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , <b>2009</b> , 351, 46-51	5.1	139
202	Electroactive response of mesoporous silica and its nanocomposites with conducting polymers. <i>Composites Science and Technology</i> , <b>2009</b> , 69, 2088-2092	8.6	37
201	Synthesis and Electrophoretic Properties of Poly(acrylamide-co-methylmethacrylate) Coated Organic Pigments. <i>Molecular Crystals and Liquid Crystals</i> , <b>2009</b> , 499, 305/[627]-310/[632]	0.5	1
200	Electrorheology of polymers and nanocomposites. <i>Soft Matter</i> , <b>2009</b> , 5, 1562	3.6	269
199	Sonochemical preparation of polymer nanocomposites. <i>Molecules</i> , <b>2009</b> , 14, 2095-110	4.8	57
198	Effect of Glass Transition Temperature of Pressure Sensitive Adhesives on Light Leakage in LCD Panel. <i>Journal of Macromolecular Science - Pure and Applied Chemistry</i> , <b>2009</b> , 46, 1142-1150	2.2	9
197	Core-shell typed polymer coated-carbonyl iron suspensions and their magnetorheology. <i>Journal of Physics: Conference Series</i> , <b>2009</b> , 149, 012078	0.3	19
196	Effect of preparation method of multi-walled carbon nanotube/poly(methyl methacrylate) nanocomposite on its characteristics. <i>Journal of Nanoscience and Nanotechnology</i> , <b>2009</b> , 9, 6089-95	1.3	5
195	Microemulsion polymerized polyaniline/montmorillonite nanocomposite and its electrorheology. <i>Journal of Nanoscience and Nanotechnology</i> , <b>2009</b> , 9, 1501-4	1.3	4
194	Magnetic composites of conducting polyaniline/nano-sized magnetite and their magnetorheology. <i>Materials Letters</i> , <b>2008</b> , 62, 2897-2899	3.3	80
193	PREPARATION AND ELECTRO-THERMOCONDUCTIVE CHARACTERISTICS OF MAGNETORHEOLOGICAL SUSPENSIONS. <i>International Journal of Modern Physics B</i> , <b>2008</b> , 22, 5041-5064	1.1	66
192	Comment on "Transient overshoot of the electrorheological responses of conducting polymer-coated polyethylene suspensions in mineral oil" <i>Synthetic Metals</i> , <b>2008</b> , 158, 72-74	3.6	7
191	Effect of Polymer Encapsulation on Electrophoretic Property of Organic Pigment. <i>Molecular Crystals and Liquid Crystals</i> , <b>2008</b> , 492, 257/[621]-261/[625]	0.5	
190	Magnetorheological Characteristics of Carbonyl Iron Embedded Suspension Polymerized Poly(Methyl Methacrylate) Micro-Bead. <i>IEEE Transactions on Magnetics</i> , <b>2008</b> , 44, 3867-3870	2	6
189	Noncovalent self-assembly of carbon nanotube wrapped carbonyl iron particles and their magnetorheology. <i>Journal of Applied Physics</i> , <b>2008</b> , 103, 07A301	2.5	44
188	Novel Magnetic Composite Particles of Carbonyl Iron Embedded in Polystyrene and Their Magnetorheological Characteristics. <i>IEEE Transactions on Magnetics</i> , <b>2008</b> , 44, 4533-4536	2	25

187	Intercalated conducting polyaniline/clay nanocomposites and their electrical characteristics. <i>Journal of Physics and Chemistry of Solids</i> , <b>2008</b> , 69, 1383-1385	3.9	22
186	Comment on: Preparation, microstructure, and electrorheological property of nano-sized TiO <sub>2</sub> particle materials doped with metal oxides. <i>Journal of Materials Science</i> , <b>2008</b> , 43, 5702-5704	4.3	8
185	Rotating disk apparatus for polymer-induced turbulent drag reduction. <i>Journal of Mechanical Science and Technology</i> , <b>2008</b> , 22, 1908-1913	1.6	4
184	Nano-Rheology of Single Unentangled Polymeric Lubricant Films. <i>Macromolecular Theory and Simulations</i> , <b>2008</b> , 17, 454-459	1.5	26
183	Intercalated polypropylene/clay nanocomposite and its physical characteristics. <i>Journal of Physics and Chemistry of Solids</i> , <b>2008</b> , 69, 1375-1378	3.9	30
182	Electrorheological characteristics of conducting polypyrrole/swollen MCM-41 nanocomposite. <i>Journal of Industrial and Engineering Chemistry</i> , <b>2008</b> , 14, 18-21	6.3	17
181	Real-time observation of electrorheological fluids using synchrotron X-ray imaging. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , <b>2008</b> , 313-314, 557-561	5.1	1
180	Conducting Polymer/Clay Nanocomposites and Their Applications. <i>Journal of Nanoscience and Nanotechnology</i> , <b>2008</b> , 8, 1559-1581	1.3	20
179	Poly(vinyl acetate)/Clay Nanocomposite Materials for Organic Thin Film Transistor Application. <i>Journal of Nanoscience and Nanotechnology</i> , <b>2008</b> , 8, 2676-2679	1.3	8
178	Conducting polymer/clay nanocomposites and their applications. <i>Journal of Nanoscience and Nanotechnology</i> , <b>2008</b> , 8, 1559-81	1.3	6
177	Molecular Rheology of Perfluoropolyether Lubricant via Nonequilibrium Molecular Dynamics Simulation. <i>IEEE Transactions on Magnetics</i> , <b>2007</b> , 43, 903-905	2	10
176	Shear Stress and Dielectric Analysis of H <sub>3</sub> PO <sub>4</sub> Doped Polyaniline Based Electrorheological Fluid. <i>Journal of Macromolecular Science - Physics</i> , <b>2007</b> , 46, 683-692	1.4	5
175	COLE-COLE ANALYSIS ON DIELECTRIC SPECTRA OF ELECTORRHEOLOGICAL SUSPENSIONS. <i>International Journal of Modern Physics B</i> , <b>2007</b> , 21, 4974-4980	1.1	29
174	Organic/inorganic hybrid of polyaniline/BaTiO <sub>3</sub> composites and their electrorheological and dielectric characteristics. <i>Journal of Applied Polymer Science</i> , <b>2007</b> , 105, 1853-1860	2.9	49
173	Dispersion-Polymerized Carbon Nanotube/Poly(methyl methacrylate) Composite Particles and their Electrorheological Characteristics. <i>Macromolecular Chemistry and Physics</i> , <b>2007</b> , 208, 514-519	2.6	40
172	Comment on Preparation and electrorheological properties of polyquin(2,3-b)acridine-12,14(5,7)dione-based suspensions. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , <b>2007</b> , 295, 288-290	5.1	2
171	Comment on Two roles of guest and crosslinked degree on hydrosoluble cyclodextrin polymer electrorheological fluids. by Z. Gao and X. Zhao. <i>Polymer</i> , <b>2007</b> , 48, 917-919	3.9	2
170	Emulsion polymerized polyaniline synthesized with dodecylbenzene-sulfonic acid and its electrorheological characteristics: Temperature effect. <i>Polymer</i> , <b>2007</b> , 48, 6622-6631	3.9	132

169	Micromechanical deformation processes in PA/layered silicate nanocomposites: Correlation of structure and properties. <i>Polymer Engineering and Science</i> , <b>2007</b> , 47, 1235-1245	2.3	15
168	Preparation and physical characterization of polyacrylamide coated magnetite particles. <i>Physica Status Solidi (A) Applications and Materials Science</i> , <b>2007</b> , 204, 4182-4185	1.6	17
167	PMMA coated carbonyl iron microbeads and their magnetic characteristics. <i>Physica Status Solidi (A) Applications and Materials Science</i> , <b>2007</b> , 204, 4198-4201	1.6	14
166	Coating of magnetic particle with polystyrene and its magnetorheological characterization. <i>Physica Status Solidi (A) Applications and Materials Science</i> , <b>2007</b> , 204, 4178-4181	1.6	18
165	Novel carbonyl iron/polystyrene (CI/PS) composites synthesized via solvent casting and their magnetorheology. <i>Physica Status Solidi (A) Applications and Materials Science</i> , <b>2007</b> , 204, 4186-4189	1.6	16
164	Polymeric nanobead coated carbonyl iron particles and their magnetic property. <i>Physica Status Solidi (A) Applications and Materials Science</i> , <b>2007</b> , 204, 4190-4193	1.6	30
163	Bulk polymerized polystyrene in the presence of multiwalled carbon nanotubes. <i>Colloid and Polymer Science</i> , <b>2007</b> , 285, 593-598	2.4	89
162	Preparation and electrophoretic response of poly(methyl methacrylate-co-methacrylic acid) coated TiO <sub>2</sub> nanoparticles for electronic paper application. <i>Current Applied Physics</i> , <b>2007</b> , 7, 349-351	2.6	43
161	MAGNETORHEOLOGY OF CARBONYL-IRON SUSPENSION WITH IRON/MCM-41 ADDITIVE. <i>International Journal of Modern Physics B</i> , <b>2007</b> , 21, 4981-4987	1.1	6
160	PREPARATION AND MAGNETORHEOLOGICAL CHARACTERIZATION OF CI/PVB CORE/SHELL PARTICLE SUSPENDED MR FLUIDS. <i>International Journal of Modern Physics B</i> , <b>2007</b> , 21, 4996-5002	1.1	13
159	Emulsion Polymerized Polystyrene/Montmorillonite Nanocomposite and its Viscoelastic Characteristics. <i>Journal of Macromolecular Science - Physics</i> , <b>2007</b> , 46, 341-354	1.4	42
158	Effect of Surfactant on Preparation of Poly(4-Vinylphenol)/Titanium Dioxide Composite for a Gate Insulator of Organic Thin Film Transistors. <i>Molecular Crystals and Liquid Crystals</i> , <b>2007</b> , 471, 173-179	0.5	9
157	Multi-walled carbon nanotube/polystyrene composites prepared by in-situ bulk sonochemical polymerization. <i>Journal of Nanoscience and Nanotechnology</i> , <b>2007</b> , 7, 3400-3	1.3	25
156	Carbon Nanotube-Organized Polymeric Fibers and Measurement of Their Electrical Conductivity. <i>Molecular Crystals and Liquid Crystals</i> , <b>2007</b> , 464, 15/[597]-21/[603]	0.5	3
155	Synthesis and Characterization of Polyaniline-Na <sup>+</sup> -Montmorillonite Nanocomposite by Microemulsion Polymerization. <i>Molecular Crystals and Liquid Crystals</i> , <b>2007</b> , 463, 221/[503]-225/[507]	0.5	5
154	Encapsulation of Carbonyl Iron Particles with Poly(Vinyl Butyral) and their Magnetorheology. <i>Key Engineering Materials</i> , <b>2007</b> , 334-335, 193-196	0.4	
153	Field Test on Vibration Control of Vehicle Suspension System Featuring ER Shock Absorbers. <i>Journal of Intelligent Material Systems and Structures</i> , <b>2007</b> , 18, 1169-1174	2.3	18
152	PREPARATION AND ELECTORHEOLOGICAL CHARACTERISTICS OF PANI/MWNT NANOCOMPOSITE <b>2007</b> ,		1

151	DNA Dynamics under Turbulent Flow. <i>Macromolecular Symposia</i> , <b>2007</b> , 249-250, 472-477	0.8	2
150	Polymer turbulent drag reduction near the theta point. <i>Europhysics Letters</i> , <b>2007</b> , 80, 58003	1.6	21
149	Preparation and Rheological Characteristics of Ethylene-Vinyl Acetate Copolymer/Organoclay Nanocomposites. <i>Journal of Macromolecular Science - Physics</i> , <b>2007</b> , 46, 261-273	1.4	29
148	PREPARATION AND ELECTORRHEOLOGICAL CHARACTERISTICS OF PANI/MWNT NANOCOMPOSITE. <i>International Journal of Modern Physics B</i> , <b>2007</b> , 21, 5003-5009	1.1	7
147	Comment on The electrorheological properties of nano-sized SiO <sub>2</sub> particle materials doped with rare earths. <i>Scripta Materialia</i> , <b>2006</b> , 55, 415-417	5.6	3
146	Compatibility effect of reactive copolymers on polypropylene/polyamide 6 blends from commingled plastic wastes. <i>Journal of Applied Polymer Science</i> , <b>2006</b> , 101, 1188-1193	2.9	13
145	Ordering Behavior of Layered Silicate Nanocomposites with a Cylindrical Triblock Copolymer. <i>Macromolecular Chemistry and Physics</i> , <b>2006</b> , 207, 444-455	2.6	31
144	DNA-Induced Turbulent Drag Reduction and Their Molecular Characteristics. <i>AIP Conference Proceedings</i> , <b>2006</b> ,	0	1
143	Effect of Surface Characteristics on Polystyrene/Clay Nanocomposite via Emulsion Polymerization. <i>Solid State Phenomena</i> , <b>2006</b> , 111, 187-190	0.4	1
142	Preparation and Characterization of Poly(Methyl Methacrylate) Coated TiO <sub>2</sub> Nanoparticles. <i>Journal of Macromolecular Science - Physics</i> , <b>2006</b> , 45, 53-60	1.4	31
141	Effect of interfacial interaction on the structure and rheological properties of polyamide-6/clay nanocomposites. <i>Composite Interfaces</i> , <b>2006</b> , 13, 773-782	2.3	11
140	Microencapsulation of Electrophoretic TiO <sub>2</sub> Nanoparticles for Electronic Ink. <i>Molecular Crystals and Liquid Crystals</i> , <b>2006</b> , 445, 43/[333]-48/[338]	0.5	5
139	Shear Stress and Dielectric Characteristics of Polyaniline/TiO <sub>2</sub> Composite-Based Electrorheological Fluid. <i>Journal of Macromolecular Science - Physics</i> , <b>2006</b> , 45, 923-932	1.4	25
138	Comment on Preparation and Enhanced Electrorheological Activity of TiO <sub>2</sub> Doped with Chromium Ion. <i>Chemistry of Materials</i> , <b>2006</b> , 18, 2771-2772	9.6	21
137	Synthesis and Electrorheological Characterization of Polyaniline/Barium Titanate Hybrid Suspension. <i>Macromolecular Symposia</i> , <b>2006</b> , 242, 49-54	0.8	11
136	Rheological Properties of Polystyrene-Organophilic Layered Silicate Nanocomposites. <i>Macromolecular Symposia</i> , <b>2006</b> , 245-246, 199-207	0.8	7
135	Comment on Synthesis and electrorheological characterization of polymer containing amino and carboxy groups. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , <b>2006</b> , 276, 232-234	5.1	2
134	Comment on Preparation of high performance electrorheological fluids with coke-like particles from FCC slurry conversion. <i>Fuel</i> , <b>2006</b> , 85, 2680-2682	7.1	

133	Comment on "Preparation and electrorheological property of rare earth modified amorphous Ba(x)Sr(1-x)TiO <sub>3</sub> gel electrorheological fluid". <i>Journal of Colloid and Interface Science</i> , <b>2006</b> , 295, 291-3	9.3	14
132	Comment on "Electrorheological behavior of copper phthalocyanine-doped mesoporous TiO <sub>2</sub> suspensions". <i>Journal of Colloid and Interface Science</i> , <b>2006</b> , 300, 818-9	9.3	7
131	Comment on "An enhanced polarization mechanism for the metal cations modified amorphous TiO <sub>2</sub> based electrorheological materials" by Qing Wu, Bin Yuan Zhao, Chen Fang and Ke Ao Hu. <i>European Physical Journal E</i> , <b>2006</b> , 21, 387-9	1.5	
130	Electrophoretic TiO <sub>2</sub> nanoparticle modified with poly (methyl methacrylate). <i>Journal of Electroceramics</i> , <b>2006</b> , 17, 1031-1033	1.5	9
129	Viscoelastic properties of exfoliated polyamide-6/layered silicate nanocomposite. <i>Journal of Materials Science</i> , <b>2006</b> , 41, 1843-1846	4.3	7
128	Comment on Synthesis and electrorheological effect of PANBaTiO <sub>3</sub> nanocomposite. <i>Journal of Materials Science</i> , <b>2006</b> , 41, 5782-5783	4.3	1
127	Synthesis and characteristics of microcapsules containing electrophoretic particle suspensions. <i>Colloid and Polymer Science</i> , <b>2006</b> , 284, 813-816	2.4	35
126	Effect of pH on Physical Characteristics of Conducting Poly(O-Ethoxyaniline) Nanocomposites. <i>Journal of Macromolecular Science - Physics</i> , <b>2005</b> , 44, 365-375	1.4	9
125	Role of organic coating on carbonyl iron suspended particles in magnetorheological fluids. <i>Journal of Applied Physics</i> , <b>2005</b> , 97, 10Q912	2.5	106
124	Formation of Two-Dimensional Array of Multiwalled Carbon Nanotubes in Polystyrene/Poly(methyl methacrylate) Thin Film. <i>Macromolecules</i> , <b>2005</b> , 38, 10623-10626	5.5	25
123	Carbon Nanotube-Adsorbed Polystyrene and Poly(methyl methacrylate) Microspheres. <i>Chemistry of Materials</i> , <b>2005</b> , 17, 4034-4037	9.6	138
122	Electrorheology Of Conducting Polyaniline Composite Particles. <i>Materials Research Innovations</i> , <b>2005</b> , 9, 6-7	1.9	3
121	Rheological, Thermal, and Morphological Characteristics of Plasticized Cellulose Acetate Composite with Natural Fibers. <i>Macromolecular Symposia</i> , <b>2005</b> , 224, 297-308	0.8	13
120	P-4: Synthesis and Applications of PVP-TiO <sub>2</sub> Composite as a Gate Insulator for Organic Thin-Film Transistors. <i>Digest of Technical Papers SID International Symposium</i> , <b>2005</b> , 36, 236	0.5	2
119	Effect of Solubility Parameter of Polymer-Solvent Pair on Turbulent Drag Reduction. <i>Macromolecular Symposia</i> , <b>2005</b> , 222, 169-174	0.8	5
118	Shear stress analysis of a semiconducting polymer based electrorheological fluid system. <i>Polymer</i> , <b>2005</b> , 46, 11484-11488	3.9	218
117	Universal yield stress function for biocompatible chitosan based-electrorheological fluid: Effect of particle concentration. <i>Polymer</i> , <b>2005</b> , 46, 12359-12365	3.9	26
116	Viscoelasticity and solution viscosity of perfluoropolyether lubricants. <i>Tribology International</i> , <b>2005</b> , 38, 682-686	4.9	15

115	Polymer blend/organoclay nanocomposite with poly(ethylene oxide) and poly(methyl methacrylate). <i>European Polymer Journal</i> , <b>2005</b> , 41, 679-685	5.2	63
114	Biocompatible Polysaccharide-Based Electrorheological Suspensions. <i>Journal of Macromolecular Science - Physics</i> , <b>2005</b> , 44, 573-581	1.4	4
113	Phosphorylation of potato starch and its electrorheological suspension. <i>Biomacromolecules</i> , <b>2005</b> , 6, 2182-8	6.9	52
112	Magnetorheological characterization of carbonyl iron-organoclay suspensions. <i>IEEE Transactions on Magnetics</i> , <b>2005</b> , 41, 3745-3747	2	65
111	Preparation and mechanical characteristics of poly(methylaniline) based electrorheological fluid. <i>Journal of Applied Polymer Science</i> , <b>2005</b> , 96, 1924-1929	2.9	14
110	Effect of Turbulent Flow on Coil-Globule Transition of EDNA. <i>Macromolecular Rapid Communications</i> , <b>2005</b> , 26, 1237-1240	4.8	15
109	Electrorheology of Multiwalled Carbon Nanotube/Poly(methyl methacrylate) Nanocomposites. <i>Macromolecular Rapid Communications</i> , <b>2005</b> , 26, 1563-1566	4.8	74
108	Preparation of polyaniline coated poly(methyl methacrylate) microsphere by graft polymerization and its electrorheology. <i>Polymer</i> , <b>2005</b> , 46, 1317-1321	3.9	71
107	Synthesis and characterization of TiO <sub>2</sub> /polystyrene hybrid nanoparticles via admicellar polymerization. <i>Journal of Materials Science</i> , <b>2005</b> , 40, 3021-3024	4.3	31
106	Polypropylene/polyamide-6 blends based on commingled plastic wastes. <i>Journal of Materials Science</i> , <b>2005</b> , 40, 3857-3859	4.3	5
105	Biodegradable aliphatic polyester-poly (epichlorohydrin) blend/organoclay nanocomposites; synthesis and rheological characterization. <i>Journal of Materials Science</i> , <b>2005</b> , 40, 3981-3985	4.3	22
104	Preparation and physical characteristics of solvent intercalated poly(o-ethoxyaniline)/organoclay nanocomposites. <i>Journal of Materials Science</i> , <b>2005</b> , 40, 4951-4953	4.3	3
103	Synthesis of microcapsule containing oil phase via in-situ polymerization. <i>Journal of Materials Science</i> , <b>2005</b> , 40, 1031-1033	4.3	20
102	Polyaniline and its modification for electroresponsive material under applied electric fields. <i>Polymers for Advanced Technologies</i> , <b>2005</b> , 16, 352-356	3.2	21
101	Preparation and electrorheological property of conducting copolyaniline/MCM-41 nanocomposite. <i>Studies in Surface Science and Catalysis</i> , <b>2005</b> , 517-522	1.8	3
100	MAGNETORHEOLOGICAL CHARACTERIZATION OF ORGANOCCLAY ADDED CARBONYL-IRON SUSPENSIONS. <i>International Journal of Modern Physics B</i> , <b>2005</b> , 19, 1142-1148	1.1	25
99	ELECTRORHEOLOGICAL RESPONSE OF POLYANILINE-TIO <sub>2</sub> COMPOSITE SUSPENSIONS. <i>International Journal of Modern Physics B</i> , <b>2005</b> , 19, 1128-1134	1.1	9
98	ELECTRORHEOLOGY OF MONODISPERSE CORE/SHELL STRUCTURED PARTICLE SUSPENSIONS. <i>International Journal of Modern Physics B</i> , <b>2005</b> , 19, 1077-1082	1.1	1

97	PREISACH MODEL OF ER FLUIDS CONSIDERING TEMPERATURE VARIATIONS. <i>International Journal of Modern Physics B</i> , <b>2005</b> , 19, 1325-1331	1.1	2
96	SYNTHESIS AND ELECTORRHEOLOGY OF PHOSPHORIC ACID DOPED POLYANILINE SUSPENSIONS. <i>International Journal of Modern Physics B</i> , <b>2005</b> , 19, 1149-1155	1.1	2
95	Magnetorheology of carbonyl-iron Suspensions with submicron-sized filler. <i>IEEE Transactions on Magnetics</i> , <b>2004</b> , 40, 3033-3035	2	63
94	Magnetorheological Characterization of Polymer-Iron Composite Suspensions. <i>Materials Science Forum</i> , <b>2004</b> , 449-452, 1201-1204	0.4	9
93	Polystyrene-b-Poly(Ethylene-r-butylene)-b-Polystyrene Triblock Copolymer/Organoclay Nanocomposites and Their Phase Characteristics. <i>Journal of Macromolecular Science - Physics</i> , <b>2004</b> , 43, 577-589	1.4	15
92	Turbulent drag reduction characteristics of amylopectin and its derivative. <i>E-Polymers</i> , <b>2004</b> , 4,	2.7	3
91	Linear viscoelasticity of semiconducting polyaniline based electrorheological suspensions. <i>Journal of Materials Science</i> , <b>2004</b> , 39, 1377-1382	4.3	30
90	Synthesis and electrorheology of aniline/pyrrole copolymer. <i>Journal of Materials Science</i> , <b>2004</b> , 39, 1883-1885	4.3	21
89	Preparation and characterization of poly(vinyl butyral)/Na <sup>+</sup> -montmorillonite nanocomposite. <i>Journal of Materials Science</i> , <b>2004</b> , 39, 3151-3153	4.3	12
88	Electroresponsive characteristics of highly substituted phosphate starch. <i>Journal of Materials Science</i> , <b>2004</b> , 39, 6083-6086	4.3	8
87	Preparation and characterization of plasticized cellulose acetate biocomposite with natural fiber. <i>Journal of Materials Science</i> , <b>2004</b> , 39, 6631-6633	4.3	11
86	Magnetorheological characterization of carbonyl iron based suspension stabilized by fumed silica. <i>Journal of Magnetism and Magnetic Materials</i> , <b>2004</b> , 282, 170-173	2.8	125
85	Synthesis and electrorheology of potato starch phosphate. <i>Journal of Applied Polymer Science</i> , <b>2004</b> , 91, 1770-1773	2.9	13
84	Rod-climbing characteristics of $\gamma$ -Fe <sub>2</sub> O <sub>3</sub> suspended polyisobutylene/polybutene solution. <i>Journal of Applied Polymer Science</i> , <b>2004</b> , 92, 1548-1552	2.9	2
83	Synthesis and electrical properties of polymer composites with polyaniline nanoparticles. <i>Materials Science and Engineering C</i> , <b>2004</b> , 24, 15-18	8.3	169
82	Synthesis and electrorheological characteristics of microencapsulated conducting polymer. <i>Designed Monomers and Polymers</i> , <b>2004</b> , 7, 101-110	3.1	15
81	Turbulent Drag Reduction Efficiency and Mechanical Degradation of Poly(Acrylamide). <i>Journal of Macromolecular Science - Physics</i> , <b>2004</b> , 43, 507-518	1.4	21
80	Conducting poly(methyl methacrylate)/polyaniline (core/shell) particles for electrorheological fluids. <i>Designed Monomers and Polymers</i> , <b>2004</b> , 7, 111-117	3.1	8

79	Nanofibrous Membranes Prepared by Multiwalled Carbon Nanotube/Poly(methyl methacrylate) Composites. <i>Macromolecules</i> , <b>2004</b> , 37, 9899-9902	5.5	216
78	Polymer/organoclay nanocomposites with biodegradable aliphatic polyester and its blends: preparation and characterization. <i>E-Polymers</i> , <b>2004</b> , 4,	2.7	3
77	Viscoelasticity and relaxation characteristics of polystyrene/clay nanocomposite. <i>Journal of Materials Science</i> , <b>2003</b> , 38, 1849-1852	4.3	38
76	Liquid crystal added electrorheological fluid. <i>Journal of Materials Science Letters</i> , <b>2003</b> , 22, 807-809		8
75	Synthesis and characterization of soluble polypyrrole and polypyrrole/organoclay nanocomposites. <i>Journal of Materials Science Letters</i> , <b>2003</b> , 22, 1299-1302		33
74	Fabrication and viscoelastic properties of biodegradable polymer/organophilic clay nanocomposites. <i>Journal of Materials Science Letters</i> , <b>2003</b> , 22, 53-55		10
73	Effect of a reactive-type flame retardant on rheological and mechanical properties of PC/ABS blends. <i>Journal of Materials Science</i> , <b>2003</b> , 38, 1485-1491	4.3	25
72	Electrorheology of chitosan polysaccharide suspensions in soybean oil. <i>Colloid and Polymer Science</i> , <b>2003</b> , 281, 1196-1200	2.4	21
71	Polyaniline microsphere encapsulated by poly(methyl methacrylate) and investigation of its electrorheological properties. <i>Colloid and Polymer Science</i> , <b>2003</b> , 282, 198-202	2.4	29
70	Synthesis and characterization of polysaccharide phosphates based electrorheological fluids. <i>Materials Research Innovations</i> , <b>2003</b> , 7, 161-166	1.9	14
69	Synthesis and Dispersion Characteristics of Multi-Walled Carbon Nanotube Composites with Poly(methyl methacrylate) Prepared by In-Situ Bulk Polymerization. <i>Macromolecular Rapid Communications</i> , <b>2003</b> , 24, 1070-1073	4.8	255
68	Preparation and rheological characterization of intercalated polystyrene/organophilic montmorillonite nanocomposite. <i>Journal of Applied Polymer Science</i> , <b>2003</b> , 87, 2106-2112	2.9	93
67	Scaling functions of polymer-induced turbulent drag reduction focusing on the polymer/solvent interaction. <i>Journal of Applied Polymer Science</i> , <b>2003</b> , 88, 1836-1839	2.9	2
66	Physical and electroresponsive characteristics of the intercalated styrene-acrylonitrile copolymer/clay nanocomposite under applied electric fields. <i>Journal of Applied Polymer Science</i> , <b>2003</b> , 89, 821-827	2.9	22
65	Solidlike transition of melt-intercalated biodegradable polymer/clay nanocomposites. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , <b>2003</b> , 41, 2052-2061	2.6	67
64	EDNA Induced Turbulent Drag Reduction and Its Characteristics. <i>Macromolecules</i> , <b>2003</b> , 36, 5348-5354	5.5	37
63	Preparation and Physical Characterization of Polyepichlorohydrin Elastomer/Clay Nanocomposites. <i>Journal of Macromolecular Science - Physics</i> , <b>2003</b> , 42, 1197-1208	1.4	16
62	EFFECT OF POLY (SODIUM 4-STYRENESULFONATE) STABILIZER ON SYNTHESIS AND CHARACTERIZATION OF POLYANILINE NANOPARTICLES. <i>Molecular Crystals and Liquid Crystals</i> , <b>2003</b> , 407, 7-13	0.5	4



61	Synthesis and Rheology of Intercalated Polystyrene/Na <sup>+</sup> -Montmorillonite Nanocomposites. <i>Macromolecular Rapid Communications</i> , <b>2002</b> , 23, 191-195	4.8	173
60	Synthesis and Electrorheology of Semiconducting Poly(naphthalene quinone) Radical Particles. <i>Macromolecular Chemistry and Physics</i> , <b>2002</b> , 203, 1135	2.6	21
59	Characterization of drag reducing guar gum in a rotating disk flow. <i>Journal of Applied Polymer Science</i> , <b>2002</b> , 83, 2938-2944	2.9	27
58	The effect of particle concentration of poly(p-phenylene) on electrorheological response. <i>Journal of Applied Polymer Science</i> , <b>2002</b> , 84, 2397-2403	2.9	12
57	Mechanical degradation of polyisobutylene under turbulent flow. <i>Colloid and Polymer Science</i> , <b>2002</b> , 280, 779-782	2.4	22
56	Electrorheological characterization of polyaniline-coated poly(methyl methacrylate) suspensions. <i>Colloid and Polymer Science</i> , <b>2002</b> , 280, 1062-1066	2.4	35
55	Electrorheology of undoped poly(p-phenylene) particle-based suspension. <i>Journal of Materials Science</i> , <b>2002</b> , 37, 4057-4061	4.3	8
54	Turbulent drag reduction and degradation of DNA. <i>Physical Review Letters</i> , <b>2002</b> , 89, 088302	7.4	73
53	Application of Emulsion Intercalated Conducting Polymer-Clay Nanocomposite. <i>Molecular Crystals and Liquid Crystals</i> , <b>2002</b> , 377, 333-336	0.5	8
52	SYNTHESIS AND ELECTORRHEOLOGY OF PHOSPHATE CELLULOSE SUSPENSIONS. <i>International Journal of Modern Physics B</i> , <b>2002</b> , 16, 2487-2493	1.1	7
51	CHARACTERISTICS OF A YIELD STRESS SCALING FUNCTION FOR ELECTORRHEOLOGICAL FLUIDS. <i>International Journal of Modern Physics B</i> , <b>2002</b> , 16, 2636-2642	1.1	4
50	Electrorheological Semi-Active Damper: Polyaniline Based ER System. <i>Journal of Intelligent Material Systems and Structures</i> , <b>2002</b> , 13, 509-513	2.3	22
49	Preparation and Interaction Characteristics of Organically Modified Montmorillonite Nanocomposite with Miscible Polymer Blend of Poly(Ethylene Oxide) and Poly(Methyl Methacrylate). <i>Chemistry of Materials</i> , <b>2002</b> , 14, 1989-1994	9.6	115
48	Synthesis and electrorheology of camphorsulfonic acid doped polyaniline suspensions. <i>Colloid and Polymer Science</i> , <b>2001</b> , 279, 823-827	2.4	59
47	Electrorheological characteristics of phosphate cellulose-based suspensions. <i>Polymer</i> , <b>2001</b> , 42, 5005-5012	3.2	81
46	Viscoelasticity of biodegradable polymer blends of poly(3-hydroxybutyrate) and poly(ethylene oxide). <i>Polymer</i> , <b>2001</b> , 42, 5737-5742	3.9	70
45	Electrorheological fluid characterization via a vertical oscillation rheometer. <i>Polymer Testing</i> , <b>2001</b> , 20, 913-918	4.5	11
44	Viscoelastic characterization of semiconducting dodecylbenzenesulfonic acid doped polyaniline electrorheological suspensions. <i>Journal of Applied Polymer Science</i> , <b>2001</b> , 79, 108-114	2.9	37

- 43 Crystallization behavior and mechanical properties of poly(ethylene oxide)/poly(L-lactide)/poly(vinyl acetate) blends. *Journal of Applied Polymer Science*, **2001**, 82, 3618-3626<sup>2.9</sup> 60
- 42 Preparation and Rheological Characteristics of Solvent-Cast Poly(ethylene oxide)/Montmorillonite Nanocomposites. *Macromolecular Rapid Communications*, **2001**, 22, 320-325 4.8 127
- 41 Preparation and Characterization of Phosphate Cellulose-Based Electrorheological Fluids. *Macromolecular Chemistry and Physics*, **2001**, 202, 521-526 2.6 33
- 40 Rheological and Mechanical Characterization of Biodegradable Aliphatic Polyester and Poly(epichlorohydrin) Blends. *Macromolecular Chemistry and Physics*, **2001**, 202, 2634-2640 2.6 8
- 39 Electrorheological fluids based on chitosan particles. *Journal of Materials Science Letters*, **2001**, 20, 1029-1031 8
- 38 Drag-reduction effectiveness of xanthan gum in a rotating disk apparatus. *Carbohydrate Polymers*, **2001**, 45, 61-68 10.3 60
- 37 SYNTHESIS AND VISCOELASTIC BEHAVIORS OF POLY(ANILINE-CO-O-ETHOXYANILINE) PARTICLES SUSPENDED ELECTORRHEOLOGICAL FLUID. *International Journal of Modern Physics B*, **2001**, 15, 649-656<sup>1.1</sup> 10
- 36 ELECTORRHEOLOGICAL BEHAVIOR OF CARBONACEOUS PARTICLE-BASED SUSPENSIONS. *International Journal of Modern Physics B*, **2001**, 15, 634-640 1.1 14
- 35 EFFECT OF IONIC AND NONIONIC SUBSTITUENTS ON THE ELECTORRHEOLOGICAL CHARACTERISTICS OF POLYANILINE DERIVATIVES. *International Journal of Modern Physics B*, **2001**, 15, 988-995 1.1 16
- 34 SYNTHESIS AND ELECTORRHEOLOGICAL CHARACTERIZATION OF POLYANILINE AND NA+-MONTMORILLONITE CLAY NANOCOMPOSITE. *International Journal of Modern Physics B*, **2001**, 15, 657-664 1.1 61
- 33 Crystallization behavior and mechanical properties of poly(ethylene oxide)/poly(L-lactide)/poly(vinyl acetate) blends **2001**, 82, 3618 1
- 32 Effects of acrylonitrile content on PC/ABS alloy systems with a flame retardant. *Journal of Applied Polymer Science*, **2000**, 75, 417-423 2.9 25
- 31 Rod-climbing in a particle-suspended polymeric liquid. *Journal of Applied Polymer Science*, **2000**, 75, 572-575 2
- 30 A high-precision rotating disk apparatus for drag reduction characterization. *Polymer Testing*, **2000**, 20, 43-48 4.5 43
- 29 Mechanical degradation of dilute polymer solutions under turbulent flow. *Polymer*, **2000**, 41, 7611-7615<sup>3.9</sup> 58
- 28 Synthesis and electrorheological characteristics of SAN/clay composite suspensions. *Polymer*, **2000**, 41, 1229-1231 3.9 72
- 27 Effects of shear rate and particle concentration on rheological properties of magnetic particle suspensions. *Journal of Materials Science*, **2000**, 35, 889-894 4.3 44
- 26 Microencapsulated polyaniline particles for electrorheological materials. *Journal of Materials Science Letters*, **2000**, 19, 533-535 58

25	Aqueous ferric chloride doped poly(p-phenylene) for electrorheological material. <i>Journal of Materials Science Letters</i> , <b>2000</b> , 19, 1629-1631		8
24	Miscibility of biodegradable aliphatic polyester and poly(vinyl acetate) blends. <i>Journal of Applied Polymer Science</i> , <b>2000</b> , 77, 1348-1352	2.9	19
23	Universal drag reduction characteristics of saline water-soluble poly(ethylene oxide) in a rotating disk apparatus. <i>Colloid and Polymer Science</i> , <b>2000</b> , 278, 701-705	2.4	16
22	Synthesis and electrorheological characterization of emulsion-polymerized dodecylbenzenesulfonic acid doped polyaniline-based suspensions. <i>Colloid and Polymer Science</i> , <b>2000</b> , 278, 894-898	2.4	63
21	Electrorheological characteristics of polyaniline and its copolymer suspensions with ionic and nonionic substituents. <i>Colloid and Polymer Science</i> , <b>2000</b> , 278, 61-64	2.4	19
20	Synthesis and electrorheological characterization of emulsion polymerized SAN-clay nanocomposite suspensions. <i>Macromolecular Symposia</i> , <b>2000</b> , 155, 229-237	0.8	20
19	Rod-Climbing characterization of kaolinite suspended polyisobutylene solutions. <i>Polymer Engineering and Science</i> , <b>1999</b> , 39, 469-473	2.3	2
18	Electrorheological characterization of semiconducting polyaniline suspension. <i>Polymer Engineering and Science</i> , <b>1999</b> , 39, 493-499	2.3	30
17	Universal drag reduction characteristics of polyisobutylene in a rotating disk apparatus. <i>Polymer</i> , <b>1999</b> , 40, 4527-4530	3.9	34
16	Miscibility of biodegradable synthetic aliphatic polyester and poly(epichlorohydrin) blends. <i>Polymer</i> , <b>1999</b> , 40, 6873-6876	3.9	27
15	Synthesis and electrorheological characterization of carbonaceous particle suspensions. <i>Journal of Materials Science Letters</i> , <b>1999</b> , 18, 1445-1447		17
14	Effect of polymerization temperature on polyaniline based electrorheological suspensions. <i>Colloid and Polymer Science</i> , <b>1999</b> , 277, 73-76	2.4	57
13	Synthesis and electrorheological properties of polyaniline-Na <sup>+</sup> -montmorillonite suspensions. <i>Macromolecular Rapid Communications</i> , <b>1999</b> , 20, 450-452	4.8	191
12	Drag reduction characteristics of polysaccharide xanthan gum. <i>Macromolecular Rapid Communications</i> , <b>1998</b> , 19, 419-422	4.8	46
11	Drag reduction characteristics of polysaccharide xanthan gum <b>1998</b> , 19, 419		1
10	Drag reduction characteristics of polysaccharide xanthan gum <b>1998</b> , 19, 419		1
9	Universal Characteristics of Drag Reducing Polyisobutylene in Kerosene. <i>Journal of Macromolecular Science - Pure and Applied Chemistry</i> , <b>1997</b> , 34, 705-711	2.2	10
8	N-substituted copolyaniline for electrorheological material. <i>Journal of Materials Science Letters</i> , <b>1997</b> , 16, 672-673		11

7	Microrheological Study of Magnetic Particle Suspensions. <i>Industrial &amp; Engineering Chemistry Research</i> , <b>1996</b> , 35, 3027-3031	3.9	13
6	Rheological Characterization of Polyisobutylene Solutions from Rod-Climbing Experimentation. <i>International Journal of Polymer Analysis and Characterization</i> , <b>1996</b> , 3, 75-88	1.7	6
5	Dynamics of the formation of an aureole in the bursting of soap films. <i>Physical Review E</i> , <b>1996</b> , 54, R3117-R3120	2.4	10
4	Rheological study on poly-D(-)(3-hydroxybutyrate) and its blends with poly(ethylene oxide). <i>Polymer Engineering and Science</i> , <b>1995</b> , 35, 1636-1642	2.3	49
3	Rheological Study on Biodegradable Poly(3-Hydroxybutyrate) and Its Copolymer. <i>Journal of Macromolecular Science - Pure and Applied Chemistry</i> , <b>1995</b> , 32, 843-852	2.2	8
2	Characterization of turbulent drag reduction in rotating disk system. <i>Korean Journal of Chemical Engineering</i> , <b>1994</b> , 11, 8-13	2.8	9
1	Drag reducing effects of polymer additives on Coal-Water Mixture in rotating disk system. <i>Journal of Mechanical Science and Technology</i> , <b>1993</b> , 7, 48-54		2