

# Ying Dan Liu

## List of Publications by Year in descending order

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65  
papers

2,688  
citations

159358

30  
h-index

182168

51  
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65  
all docs

65  
docs citations

65  
times ranked

1881  
citing authors

#	ARTICLE	IF	CITATIONS
1	Electrorheological fluids: smart soft matter and characteristics. <i>Soft Matter</i> , 2012, 8, 11961.	1.2	223
2	Physical characteristics of magnetorheological suspensions and their applications. <i>Journal of Industrial and Engineering Chemistry</i> , 2013, 19, 394-406.	2.9	166
3	Core-Shell Structured Carbonyl Iron Microspheres Prepared via Dual-Step Functionality Coatings and Their Magnetorheological Response. <i>ACS Applied Materials &amp; Interfaces</i> , 2011, 3, 3487-3495.	4.0	149
4	Graphene oxide coated core-shell structured polystyrene microspheres and their electrorheological characteristics under applied electric field. <i>Journal of Materials Chemistry</i> , 2011, 21, 6916.	6.7	145
5	Core-Shell Structured Semiconducting PMMA/Polyaniline Snowman-like Anisotropic Microparticles and Their Electrorheology. <i>Langmuir</i> , 2010, 26, 12849-12854.	1.6	122
6	Pickering-Emulsion-Polymerized Polystyrene/Fe <sub>2</sub> O <sub>3</sub> Composite Particles and Their Magneto-responsive Characteristics. <i>Langmuir</i> , 2013, 29, 4959-4965.	1.6	122
7	Electrorheology of Graphene Oxide. <i>ACS Applied Materials &amp; Interfaces</i> , 2012, 4, 2267-2272.	4.0	109
8	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> , 2011, 21, 17396.	6.7	96
9	Fabrication of semiconducting graphene oxide/polyaniline composite particles and their electrorheological response under an applied electric field. <i>Carbon</i> , 2012, 50, 290-296.	5.4	87
10	Growth of Polyaniline Nanoneedles on MoS <sub>2</sub> Nanosheets, Tunable Electroresponse, and Electromagnetic Wave Attenuation Analysis. <i>Journal of Physical Chemistry C</i> , 2017, 121, 4989-4998.	1.5	84
11	Silica nanoparticle decorated polyaniline nanofiber and its electrorheological response. <i>Soft Matter</i> , 2011, 7, 2782.	1.2	82
12	Magnetic field intensity effect on plane electric capacitor characteristics and viscoelasticity of magnetorheological elastomer. <i>Colloid and Polymer Science</i> , 2012, 290, 1115-1122.	1.0	80
13	Core-shell-structured silica-coated magnetic carbonyl iron microbead and its magnetorheology with anti-acidic characteristics. <i>Colloid and Polymer Science</i> , 2011, 289, 1295-1298.	1.0	77
14	Carbonyl iron particles dispersed in a polymer solution and their rheological characteristics under applied magnetic field. <i>Journal of Industrial and Engineering Chemistry</i> , 2012, 18, 664-667.	2.9	53
15	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> , 2012, 403, 133-138.	2.3	52
16	Carbon nanotube coated snowman-like particles and their electro-responsive characteristics. <i>Chemical Communications</i> , 2012, 48, 136-138.	2.2	51
17	Core-shell-structured cross-linked poly(glycidyl methacrylate)-coated carbonyl iron microspheres and their magnetorheology. <i>Journal of Materials Science</i> , 2014, 49, 1345-1352.	1.7	51
18	Enhanced magnetorheology of soft magnetic carbonyl iron suspension with hard magnetic $\hat{3}$ -Fe <sub>2</sub> O <sub>3</sub> nanoparticle additive. <i>Colloid and Polymer Science</i> , 2015, 293, 641-647.	1.0	51

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19	Core-Shell Structured Monodisperse Poly(3,4-Ethylenedioxythiophene)/Poly(Styrenesulfonic Acid) Coated Polystyrene Microspheres and Their Electrorheological Response. <i>Macromolecular Rapid Communications</i> , 2011, 32, 881-886.	2.0	47
20	Silica nanoparticle decorated conducting polyaniline fibers and their electrorheology. <i>Materials Letters</i> , 2010, 64, 154-156.	1.3	42
21	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> , 2012, 412, 47-56.	2.3	42
22	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> , 2019, 69, 106-115.	2.9	40
23	Core-Shell-Structured Monodisperse Copolymer/Silica Particle Suspension and Its Electrorheological Response. <i>Langmuir</i> , 2014, 30, 1729-1734.	1.6	39
24	Urchin-like polyaniline microspheres fabricated from self-assembly of polyaniline nanowires and their electro-responsive characteristics. <i>Chemical Engineering Journal</i> , 2014, 235, 186-190.	6.6	33
25	Well controlled core/shell type polymeric microspheres coated with conducting polyaniline: fabrication and electrorheology. <i>RSC Advances</i> , 2011, 1, 1026.	1.7	32
26	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> , 2011, 381, 17-22.	2.3	32
27	Pickering emulsion polymerization of core-shell-structured polyaniline@SiO <sub>2</sub> nanoparticles and their electrorheological response. <i>Colloid and Polymer Science</i> , 2012, 290, 855-860.	1.0	32
28	Electrorheological and magnetorheological response of polypyrrole/magnetite nanocomposite particles. <i>Colloid and Polymer Science</i> , 2013, 291, 1781-1786.	1.0	32
29	Core-shell structured graphene oxide-adsorbed anisotropic poly(methyl methacrylate) microparticles and their electrorheology. <i>RSC Advances</i> , 2013, 3, 11723.	1.7	32
30	Fabrication of imidazolium-based poly(ionic liquid) microspheres and their electrorheological responses. <i>Journal of Materials Science</i> , 2017, 52, 5778-5787.	1.7	32
31	Carbonyl iron suspension with halloysite additive and its magnetorheology. <i>Applied Clay Science</i> , 2013, 80-81, 366-371.	2.6	30
32	Optically transparent electrorheological fluid with urea-modified silica nanoparticles and its haptic display application. <i>Journal of Colloid and Interface Science</i> , 2013, 404, 56-61.	5.0	30
33	Magnetorheology of core-shell typed dual-coated carbonyl iron particle fabricated by a sol-gel and self-assembly process. <i>Materials Research Bulletin</i> , 2015, 69, 92-97.	2.7	29
34	Fabrication of Carbonyl Iron Embedded Polycarbonate Composite Particles and Magnetorheological Characterization. <i>IEEE Transactions on Magnetics</i> , 2009, 45, 2507-2510.	1.2	27
35	Polymeric colloidal magnetic composite microspheres and their magneto-responsive characteristics. <i>Macromolecular Research</i> , 2012, 20, 1211-1218.	1.0	24
36	Recent progress in smart polymer composite particles in electric and magnetic fields. <i>Polymer International</i> , 2013, 62, 147-151.	1.6	24

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37	Brake performance of core-shell structured carbonyl iron/silica based magnetorheological suspension. <i>Journal of Magnetism and Magnetic Materials</i> , 2014, 367, 69-74.	1.0	24
38	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> , 2015, 440, 9-15.	5.0	23
39	Novel electrorheological properties of a metal-organic framework Cu <sub>3</sub> (BTC) <sub>2</sub> . <i>Chemical Communications</i> , 2012, 48, 5635.	2.2	19
40	Conducting Material-incorporated Electrorheological Fluids: Core-shell Structured Spheres. <i>Australian Journal of Chemistry</i> , 2012, 65, 1195.	0.5	18
41	Fabrication of ammonium persulfate coated silica microsphere via chemical grafting and its electrorheology. <i>Journal of Materials Science</i> , 2014, 49, 2618-2623.	1.7	17
42	Highly transparent electrorheological fluids of silica nanoparticles: the effect of urea modification. <i>Journal of Materials Chemistry C</i> , 2016, 4, 7875-7882.	2.7	16
43	Generalized yield stress equation for electrorheological fluids. <i>Journal of Colloid and Interface Science</i> , 2013, 409, 259-263.	5.0	14
44	Enhanced effect of dopant on polyaniline nanofiber based electrorheological response. <i>Materials Chemistry and Physics</i> , 2014, 147, 843-849.	2.0	14
45	Synthesis and characteristics of snowman-like fluorescent PMMA microbeads. <i>Colloid and Polymer Science</i> , 2012, 290, 1703-1706.	1.0	11
46	Graphene oxide nanocomposites and their electrorheology. <i>Materials Research Bulletin</i> , 2013, 48, 4997-5002.	2.7	11
47	Yield stress analysis of 1D calcium and titanium precipitate-based giant electrorheological fluids. <i>Colloid and Polymer Science</i> , 2013, 291, 1267-1270.	1.0	11
48	The Electric Field Responses of Inorganic Ionogels and Poly(ionic liquid)s. <i>Molecules</i> , 2020, 25, 4547.	1.7	11
49	Preparation of Cellulose/Laponite Composite Particles and Their Enhanced Electrorheological Responses. <i>Molecules</i> , 2021, 26, 1482.	1.7	11
50	Ionic-liquid-modified TiO <sub>2</sub> spheres and their enhanced electrorheological responses. <i>Journal of Molecular Liquids</i> , 2021, 338, 116696.	2.3	11
51	Transparent thiourea treated silica suspension through refractive index matching method and its electrorheology. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2012, 397, 80-84.	2.3	10
52	Iron oxide/MCM-41 mesoporous nanocomposites and their magnetorheology. <i>Colloid and Polymer Science</i> , 2013, 291, 1895-1901.	1.0	8
53	Nanoporous Fe-MCM-22 Additive Effect on Magnetorheological Response of Magnetic Carbonyl Iron Suspension. <i>IEEE Transactions on Magnetics</i> , 2013, 49, 3410-3413.	1.2	8
54	Field-responsive smart composite particle suspension: materials and rheology. <i>Korea Australia Rheology Journal</i> , 2012, 24, 147-153.	0.7	7

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55	Fabrication of anisotropic snowman-like magnetic particles and their magnetorheological response. <i>Journal of Applied Physics</i> , 2014, 115, 17B529.	1.1	7
56	Comment on "Synthesis and electrorheological characteristics of titanate nanotube suspensions under oscillatory shear". <i>Journal of Industrial and Engineering Chemistry</i> , 2010, 16, 651-653.	2.9	6
57	Surfactant effect on functionalized carbon nanotube coated snowman-like particles and their electro-responsive characteristics. <i>Materials Research Bulletin</i> , 2012, 47, 2752-2755.	2.7	6
58	Magnetorheology of iron associated magnetic metal-organic framework nanoparticle. <i>Journal of Applied Physics</i> , 2015, 117, 17C732.	1.1	6
59	Enhanced Electrorheological Response of Cellulose: A Double Effect of Modification by Urea-Terminated Silane. <i>Polymers</i> , 2018, 10, 867.	2.0	6
60	Titanium Dioxide Nanoparticles Modified with Disulfonic Acid Functionalized Imidazolium Ionic Liquids for Use as Electrorheological Materials. <i>ACS Applied Nano Materials</i> , 2021, 4, 12382-12392.	2.4	5
61	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> , 2013, 49, 3406-3409.	1.2	3
62	Magnetorheological response of soft-magnetic carbonyl iron microbeads dispersed in a poly(ethylene) Tj ETQq0 0 0 rgBT /Overlock 10 T	0.8	2
63	Direct evidence of entropy driven fluid-like "glass-like transition in microgel suspensions. <i>Applied Physics Letters</i> , 2017, 110, 071902.	1.5	2
64	Electrorheological Responses of Acid-Hydrolyzed Cellulose Suspensions. <i>Current Smart Materials</i> , 2018, 3, 58-67.	0.5	1
65	Silica-based ionogels containing imidazolium ionic liquids and their electrorheological responses at room and elevated temperatures. <i>Materials Today Communications</i> , 2021, 28, 102532.	0.9	1