

Zhi-Chao Yan

List of Publications by Year in descending order

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35
papers

937
citations

516215

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454577

30
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docs citations

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times ranked

1197
citing authors

#	ARTICLE	IF	CITATIONS
1	Multistimuli Responsive Dendritic Organogels Based on Azobenzene-Containing Poly(aryl ether) Dendron. <i>Chemistry of Materials</i> , 2012, 24, 3751-3757.	3.2	131
2	A relaxor ferroelectric polymer with an ultrahigh dielectric constant largely promotes the dissociation of lithium salts to achieve high ionic conductivity. <i>Energy and Environmental Science</i> , 2021, 14, 6021-6029.	15.6	115
3	Linear and Nonlinear Shear Rheology of a Marginally Entangled Ring Polymer. <i>Macromolecules</i> , 2016, 49, 1444-1453.	2.2	74
4	Macroscopic Organohydrogel Hybrid from Rapid Adhesion between Dynamic Covalent Hydrogel and Organogel. <i>ACS Macro Letters</i> , 2015, 4, 467-471.	2.3	69
5	Supramolecular polymer gel with multi stimuli responsive, self-healing and erasable properties generated by host-guest interactions. <i>Polymer</i> , 2013, 54, 6929-6935.	1.8	65
6	AI Egen-loaded nanofibrous membrane as photodynamic/photothermal antimicrobial surface for sunlight-triggered bioprotection. <i>Biomaterials</i> , 2021, 276, 121007.	5.7	53
7	A New Class of Dendritic Metallogels with Multiple Stimuli-Responsiveness and as Templates for the In Situ Synthesis of Silver Nanoparticles. <i>Chemistry - A European Journal</i> , 2014, 20, 533-541.	1.7	49
8	Viscoelastic Conjugated Polymer Fluids. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 9581-9585.	7.2	40
9	Crystallization and Rheology of Poly(ethylene oxide) in Imidazolium Ionic Liquids. <i>Macromolecules</i> , 2016, 49, 6106-6115.	2.2	37
10	N-Boc-Protected 1,2-Diphenylethylenediamine-Based Dendritic Organogels with Multiple-Stimulus-Responsive Properties. <i>Chemistry - an Asian Journal</i> , 2013, 8, 572-581.	1.7	36
11	Development and characterizations of novel aqueous-based LSCF suspensions for inkjet printing. <i>Ceramics International</i> , 2018, 44, 13381-13388.	2.3	29
12	Effect of a functional polymer on the rheology and microstructure of sodium alginate. <i>Carbohydrate Polymers</i> , 2018, 199, 58-67.	5.1	26
13	Facile preparations of layer-like and honeycomb-like films of poly(3,4-ethylenedioxythiophene)/carbon nanotube composites for thermoelectric application. <i>Composites Science and Technology</i> , 2021, 208, 108759.	3.8	25
14	A Systematic Study of Peripherally Multiple Aromatic Ester-Functionalized Poly(benzyl ether) Dendrons for the Fabrication of Organogels: Structure-Property Relationships and Thixotropic Property. <i>Chemistry - A European Journal</i> , 2014, 20, 7069-7082.	1.7	22
15	Fabrication of Highly Robust and Conductive Ion Gels Based on the Combined Strategies of Double-Network, Composite, and High-Functionality Cross-Linkers. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 49050-49060.	4.0	19
16	Consistent red luminescence in π -conjugated polymers with tuneable elastic moduli over five orders of magnitude. <i>Materials Horizons</i> , 2020, 7, 1421-1426.	6.4	19
17	Dynamics of Concentrated Polymer Solutions Revisited: Isomeric Friction Adjustment and Its Consequences. <i>Macromolecules</i> , 2014, 47, 4460-4470.	2.2	14
18	Chain dimensions and dynamic dilution in branched polymers. <i>Polymer</i> , 2016, 96, 35-44.	1.8	12

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19	Effect of tacticity and molecular weight on the rheological properties of poly(N-isopropylacrylamide) gels in benzyl alcohol. <i>Journal of Rheology</i> , 2017, 61, 1345-1357.	1.3	11
20	Classification of thermorheological complexity for linear and branched polyolefins. <i>Rheologica Acta</i> , 2018, 57, 377-388.	1.1	10
21	A DNA tetrahedron-loaded natural photosensitizer with aggregation-induced emission characteristics for boosting fluorescence imaging-guided photodynamic therapy. <i>Materials Chemistry Frontiers</i> , 2021, 5, 5410-5417.	3.2	10
22	Viscoelastic Properties of Unentangled Multicyclic Polystyrenes. <i>Polymers</i> , 2018, 10, 973.	2.0	9
23	Tacticity effect on the upper critical solution temperature behavior of Poly(N-isopropylacrylamide) in an imidazolium ionic liquid. <i>Polymer</i> , 2018, 155, 101-108.	1.8	8
24	Rheology of Concentrated Polymer/Ionic Liquid Solutions: An Anomalous Plasticizing Effect and a Universality in Nonlinear Shear Rheology. <i>Polymers</i> , 2019, 11, 877.	2.0	7
25	Rheological Study on the Thermoreversible Gelation of Stereo-Controlled Poly(N-Isopropylacrylamide) in an Imidazolium Ionic Liquid. <i>Polymers</i> , 2019, 11, 783.	2.0	6
26	Viskoelastische konjugierte polymere Fluide. <i>Angewandte Chemie</i> , 2019, 131, 9682-9686.	1.6	6
27	Topological Effect on Effective Local Concentration and Dynamics in Linear/Linear, Ring/Ring, and Linear/Ring Miscible Polymer Blends. <i>Macromolecules</i> , 2020, 53, 658-668.	2.2	6
28	Multiple interval thixotropic test (miTT) – an advanced tool for the rheological characterization of emulsions and other colloidal systems. <i>Rheologica Acta</i> , 2022, 61, 229-242.	1.1	5
29	Dynamic heterogeneity in homogeneous polymer melts. <i>Soft Matter</i> , 2021, 17, 6081-6087.	1.2	4
30	Rheology of Conjugated Polymers with Bulky and Flexible Side Chains. <i>Macromolecules</i> , 2021, 54, 4061-4069.	2.2	4
31	Synthesis of well-defined di- and triblock acrylic copolymers consisting of hard poly(dicyclopentanyl) and their glass transition behavior. <i>Polymer Chemistry</i> , 2021, 12, 3427-3440.	1.9	4
32	Dynamics of polymers in concentrated solutions: A weaker self-concentration effect. <i>Polymer</i> , 2018, 153, 33-42.	1.8	3
33	Linear and Nonlinear Dynamic Behavior of Polymer Micellar Assemblies Connected by Metallo-Supramolecular Interactions. <i>Polymers</i> , 2019, 11, 1532.	2.0	3
34	Quinoline-Cored Poly(Aryl Ether) Dendritic Organogels with Multiple Stimuli-Responsive and Adsorptive Properties. <i>Chemistry - an Asian Journal</i> , 2022, 17, .	1.7	3
35	Linear Viscoelastic Response of Comb/Linear Polymer Blends: A Three-Step Relaxation Process. <i>Macromolecules</i> , 2021, 54, 11047-11060.	2.2	3