

List of Publications by Citations

Source: <https://exaly.com/author-pdf/5084301/wei-yu-publications-by-citations.pdf>

Version: 2024-04-17

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.

123
papers

2,317
citations

25
h-index

42
g-index

130
ext. papers

2,776
ext. citations

4.1
avg, IF

5.47
L-index

#	Paper	IF	Citations
123	Isothermal cold crystallization kinetics of polylactide/nucleating agents. <i>Journal of Applied Polymer Science</i> , 2007 , 104, 310-317	2.9	153
122	Long chain branching polylactide: Structures and properties. <i>Polymer</i> , 2010 , 51, 5186-5197	3.9	135
121	Phase Behavior and its Viscoelastic Responses of Poly(methyl methacrylate) and Poly(styrene-co-maleic anhydride) Blend Systems. <i>Polymer Bulletin</i> , 2006 , 56, 455-466	2.4	90
120	Modeling of oscillatory shear flow of emulsions under small and large deformation fields. <i>Journal of Rheology</i> , 2002 , 46, 1401-1418	4.1	86
119	Quantitative relationship between rheology and morphology in emulsions. <i>Journal of Rheology</i> , 2002 , 46, 1381-1399	4.1	80
118	Crystallization behaviors of linear and long chain branched polypropylene. <i>Journal of Applied Polymer Science</i> , 2007 , 104, 3592-3600	2.9	75
117	Linear viscoelasticity of polymer blends with co-continuous morphology. <i>Polymer</i> , 2010 , 51, 2091-2098	3.9	68
116	General stress decomposition in nonlinear oscillatory shear flow. <i>Journal of Rheology</i> , 2009 , 53, 215-238	4.1	66
115	Rheological Characterization of Droplet-Matrix versus Co-Continuous Morphology. <i>Journal of Macromolecular Science - Physics</i> , 2006 , 45, 889-898	1.4	62
114	Phase separation of poly (methyl methacrylate) / poly (styrene-co-acrylonitrile) blends in the presence of silica nanoparticles. <i>Polymer</i> , 2012 , 53, 1772-1782	3.9	60
113	Solvents effects in the formation and viscoelasticity of DBS organogels. <i>Soft Matter</i> , 2013 , 9, 864-874	3.6	59
112	A Self-Cross-Linking Supramolecular Polymer Network Enabled by Crown-Ether-Based Molecular Recognition. <i>Journal of the American Chemical Society</i> , 2020 , 142, 2051-2058	16.4	58
111	The preparation and crystallization of long chain branching polylactide made by melt radicals reaction. <i>Journal of Applied Polymer Science</i> , 2013 , 129, 1959-1970	2.9	55
110	Crystallization Kinetics of Linear and Long-Chain Branched Polypropylene. <i>Journal of Macromolecular Science - Physics</i> , 2006 , 45, 969-985	1.4	53
109	Structure and linear viscoelasticity of polymer nanocomposites with agglomerated particles. <i>Polymer</i> , 2016 , 98, 190-200	3.9	44
108	Effect of flocculated structure on rheology of poly(butylene terephthalate)/clay nanocomposites. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2005 , 43, 2807-2818	2.6	44
107	Mesophase Separation and Rheology of Olefin Multiblock Copolymers. <i>Macromolecules</i> , 2014 , 47, 807-820	3.5	42

106	Influence of catalyst on transesterification between poly(lactic acid) and polycarbonate under flow field. <i>Polymer</i> , 2013 , 54, 310-319	3.9	38
105	Effect of thermally reduced graphite oxide (TrGO) on the polymerization kinetics of poly(butylene terephthalate) (pCBT)/TrGO nanocomposites prepared by in situ ring-opening polymerization of cyclic butylene terephthalate. <i>Polymer</i> , 2013 , 54, 1603-1611	3.9	31
104	Synergistic Covalent and Supramolecular Polymers for Mechanically Robust but Dynamic Materials. <i>Angewandte Chemie - International Edition</i> , 2020 , 59, 12139-12146	16.4	30
103	A coalescence mechanism for the coarsening behavior of polymer blends during a quiescent annealing process. I. Monodispersed particle system. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2000 , 38, 2378-2389	2.6	28
102	Viscoelastic and Dielectric Behavior of a Polyisoprene/Poly(4-tert-butyl styrene) Miscible Blend. <i>Macromolecules</i> , 2007 , 40, 5389-5399	5.5	27
101	Linear and nonlinear viscoelasticity of polymer/silica nanocomposites: an understanding from modulus decomposition. <i>Rheologica Acta</i> , 2016 , 55, 37-50	2.3	26
100	Muscle-Mimetic Synergistic Covalent and Supramolecular Polymers: Phototriggered Formation Leads to Mechanical Performance Boost. <i>Journal of the American Chemical Society</i> , 2021 , 143, 902-911	16.4	26
99	Polymer chain topological map as determined by linear viscoelasticity. <i>Journal of Rheology</i> , 2011 , 55, 545-570	4.1	25
98	Control on the topological structure of polyolefin elastomer by reactive processing. <i>Polymer</i> , 2009 , 50, 547-552	3.9	25
97	Onset Reduction and Stabilization of Cocontinuous Morphology in Immiscible Polymer Blends by Snowmanlike Janus Nanoparticles. <i>Langmuir</i> , 2018 , 34, 11092-11100	4	25
96	Biomimetic Impact Protective Supramolecular Polymeric Materials Enabled by Quadruple H-Bonding. <i>Journal of the American Chemical Society</i> , 2021 , 143, 1162-1170	16.4	24
95	Synthesis and properties of polystyrene/clay nanocomposites via in situ intercalative polymerization. <i>Journal of Applied Polymer Science</i> , 2005 , 97, 201-207	2.9	22
94	Dynamic rheological properties of wood polymer composites: from linear to nonlinear behaviors. <i>Polymer Bulletin</i> , 2011 , 66, 683-701	2.4	21
93	Control of the dispersed-to-continuous transition in polymer blends by viscoelastic asymmetry. <i>Polymer</i> , 2018 , 134, 254-262	3.9	21
92	Highly Stretchable and Self-Healing Strain Sensor Based on Gellan Gum Hybrid Hydrogel for Human Motion Monitoring. <i>ACS Applied Polymer Materials</i> , 2020 , 2, 1325-1334	4.3	20
91	Dynamic wall slip behavior of yield stress fluids under large amplitude oscillatory shear. <i>Journal of Rheology</i> , 2017 , 61, 627-641	4.1	19
90	Liquid-liquid phase separation and its effect on the crystallization in polylactic acid/poly(ethylene glycol) blends. <i>RSC Advances</i> , 2014 , 4, 55435-55444	3.7	19
89	A simple constitutive equation for immiscible blends. <i>Journal of Rheology</i> , 2007 , 51, 179-194	4.1	19

88	Rheokinetics of the cross-linking of melt polyethylene initiated by peroxide. <i>Polymer Engineering and Science</i> , 2005 , 45, 560-567	2.3	19
87	Investigation of Phase Separation in a Partially Miscible Polymer Blend by Rheology. <i>Journal of Macromolecular Science - Physics</i> , 2007 , 46, 1051-1062	1.4	18
86	Cluster size distribution of spherical nanoparticles in polymer nanocomposites: rheological quantification and evidence of phase separation. <i>Soft Matter</i> , 2017 , 13, 4088-4098	3.6	17
85	Coalescence of droplets in viscoelastic matrix with diffuse interface under simple shear flow. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2007 , 45, 1856-1869	2.6	17
84	Mechanical reinforcement in poly(propylene carbonate) nanocomposites using double percolation networks by dual volume exclusions. <i>Composites Science and Technology</i> , 2018 , 167, 364-370	8.6	16
83	Correlations between local flow mechanism and macroscopic rheology in concentrated suspensions under oscillatory shear. <i>Soft Matter</i> , 2011 , 7, 2433	3.6	16
82	Rheological properties of immiscible polymer blends under parallel superposition shear flow. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2008 , 46, 431-440	2.6	16
81	Slow Linear Viscoelastic Relaxation of Polymer Nanocomposites: Contribution from Confined Diffusion of Nanoparticles. <i>Macromolecules</i> , 2019 , 52, 9094-9104	5.5	15
80	Three-Dimensional Simulation of the Non-Isothermal Cast Film Process of Polymer Melts. <i>Journal of Polymer Research</i> , 2006 , 13, 433-440	2.7	15
79	Determination of interfacial tension by the retraction method of highly deformed drop. <i>Rheologica Acta</i> , 2004 , 43, 342	2.3	15
78	Dynamics of droplet with viscoelastic interface. <i>Soft Matter</i> , 2011 , 7, 6337	3.6	14
77	Simultaneously improved strength and toughness in Carrageenan/polyacrylamide double network hydrogel via synergistic interaction. <i>Carbohydrate Polymers</i> , 2020 , 230, 115596	10.3	14
76	Nonlinear rheological behavior of multiblock copolymers under large amplitude oscillatory shear. <i>Journal of Rheology</i> , 2016 , 60, 1161-1179	4.1	14
75	Rheology of miscible polymer blends with viscoelastic asymmetry and concentration fluctuation. <i>Polymer</i> , 2012 , 53, 881-890	3.9	13
74	A geometric average interpretation on the nonlinear oscillatory shear. <i>Journal of Rheology</i> , 2013 , 57, 1147-1175	4.1	13
73	Study on the Thermal Degradation Kinetics of Biodegradable Poly(propylene carbonate) during Melt Processing by Population Balance Model and Rheology. <i>Industrial & Engineering Chemistry Research</i> , 2014 , 53, 18411-18419	3.9	13
72	Entropically-driven ring-opening polymerization of cyclic butylene terephthalate: Rheology and kinetics. <i>Polymer Engineering and Science</i> , 2012 , 52, 91-101	2.3	13
71	Isothermal Crystallization Kinetics of Highly Filled Wood Plastic Composites: Effect of Wood Particles Content and Compatibilizer. <i>Journal of Macromolecular Science - Physics</i> , 2011 , 50, 2271-2289	1.4	13

70	The formation of crystal in long-chain branched polypropylene under supercritical carbon dioxide. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2008 , 46, 441-451	2.6	13
69	Rheology and relaxation processes in a melting thermotropic liquid-crystalline polymer. <i>Journal of Applied Polymer Science</i> , 2007 , 104, 3780-3787	2.9	12
68	A coalescence mechanism for the coarsening behavior of polymer blends during a quiescent annealing process. II. Polydispersed particle system. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2000 , 38, 2390-2399	2.6	12
67	Stress bifurcation in large amplitude oscillatory shear of yield stress fluids. <i>Journal of Rheology</i> , 2018 , 62, 89-106	4.1	12
66	Influence of Phase Separation on Performance of Graft Acrylic Pressure-Sensitive Adhesives with Various Copolyester Side Chains. <i>ACS Omega</i> , 2018 , 3, 6945-6954	3.9	11
65	Dynamic rheology of the immiscible blends of liquid crystalline polymers and flexible chain polymers. <i>Rheologica Acta</i> , 2005 , 45, 105-115	2.3	11
64	Stability of flow-induced precursors in poly-1-butene and copolymer of 1-butene and ethylene. <i>Journal of Rheology</i> , 2018 , 62, 725-737	4.1	10
63	Shear induced phase inversion of dilute smectic liquid crystal/polymer blends. <i>Soft Matter</i> , 2012 , 8, 2992-3006	3.6	10
62	Modeling of flow-induced crystallization in blends of isotactic polypropylene and poly(ethylene-co-octene). <i>Polymer International</i> , 2012 , 61, 1389-1393	3.3	10
61	Rheology of concentrated blends with immiscible components. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2005 , 43, 2534-2540	2.6	9
60	Role of Chain Dynamics in the Melt Memory Effect of Crystallization. <i>Macromolecules</i> , 2020 , 53, 7887-7898	3.8	9
59	Recyclable ethylene-vinyl acetate copolymer vitrimer foams. <i>Polymer</i> , 2021 , 222, 123662	3.9	9
58	Mechanism of Mechanical Reinforcement for Weakly Attractive Nanocomposites in Glassy and Rubbery States. <i>Macromolecules</i> , 2021 , 54, 824-834	5.5	9
57	Agglomeration of Crystals during Crystallization of Semicrystalline Polymers: A Suspension-Based Rheological Study. <i>Macromolecules</i> , 2019 , 52, 1042-1054	5.5	8
56	Non-isothermal crystallization behavior of dynamically vulcanized long chain branched polypropylene/ethylene-propylene-diene monomer blends. <i>Journal of Polymer Research</i> , 2015 , 22, 1	2.7	8
55	Selectivity of shear rate on chains in polymer combination reaction. <i>Journal of Applied Polymer Science</i> , 2006 , 100, 839-842	2.9	8
54	Dynamic interfacial properties between a flexible-chain polymer and a thermotropic liquid crystalline polymer investigated by an ellipsoidal drop retraction method. <i>Journal of Applied Polymer Science</i> , 2004 , 94, 1404-1410	2.9	8
53	Mechanically Interlocked Vitrimers.. <i>Journal of the American Chemical Society</i> , 2021 ,	16.4	8

52	Liquid-Solid transition in mesophase separated olefin multiblock copolymers during crystallization. <i>RSC Advances</i> , 2015 , 5, 40607-40619	3.7	7
51	Studies on the melt spinning process of noncircular fiber by numerical and experimental methods. <i>Polymer Engineering and Science</i> , 2010 , 50, 1935-1944	2.3	7
50	Comparison of Various Solvents for Poly(Phenylene Sulfide) Microporous Membrane Preparation via Thermally Induced Phase Separation. <i>Journal of Macromolecular Science - Physics</i> , 2014 , 53, 1477-1496	1.4	6
49	Quick Profile Die Balancing of Automotive Rubber Seal Extrusion by CAE Technology. <i>Journal of Macromolecular Science - Pure and Applied Chemistry</i> , 2008 , 45, 1028-1036	2.2	6
48	Component Chain Dynamics in a Miscible Blend of Low-M Poly(p-t-butyl styrene) and Polyisoprene. <i>Nihon Reoroji Gakkaishi</i> , 2008 , 36, 35-42	0.8	6
47	Synergistic Covalent and Supramolecular Polymers for Mechanically Robust but Dynamic Materials. <i>Angewandte Chemie</i> , 2020 , 132, 12237-12244	3.6	5
46	Elongational rheology of glass fiber-filled polymer composites. <i>Rheologica Acta</i> , 2016 , 55, 833-845	2.3	5
45	Computer-Aided Optimization of the Extrusion Process of Automobile Rubber Seal. <i>Journal of Macromolecular Science - Pure and Applied Chemistry</i> , 2007 , 44, 509-516	2.2	5
44	Thermal oxidation of metallocene-catalyzed poly(ethylene octene) by a rheological method. <i>Journal of Applied Polymer Science</i> , 2007 , 105, 846-852	2.9	5
43	The effect of interfacial viscosity on the droplet dynamics under flow field. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2008 , 46, 1505-1514	2.6	5
42	Effects of vibration blending on the subsequent crystallization behavior of polycarbonate/polypropylene blends. <i>Journal of Applied Polymer Science</i> , 2002 , 85, 92-103	2.9	5
41	Dynamics and rheology of immiscible polymer-liquid-crystal systems. <i>Journal of Chemical Physics</i> , 2005 , 123, 014906	3.9	5
40	Horizontal extensional rheometry (HER) for low viscosity polymer melts. <i>Journal of Rheology</i> , 2020 , 64, 177-190	4.1	5
39	Decoupled Polymer Dynamics in Weakly Attractive Poly(methyl methacrylate)/Silica Nanocomposites. <i>Macromolecules</i> , 2021 , 54, 5484-5497	5.5	5
38	Decoupling hydrodynamic and entanglement effects on the modulus reinforcement of grafted silica filled nanocomposites through Thermal and rheological features. <i>Polymer</i> , 2021 , 213, 123323	3.9	5
37	Abnormal crystallization behavior of high impact polypropylene under shear. <i>Polymer</i> , 2018 , 136, 17-26	3.9	4
36	Key factors in mechanical reinforcement by double percolation network: Particle migration and shear stability of filler network. <i>Polymer</i> , 2019 , 182, 121820	3.9	4
35	Three dimensional simulation of viscoelastic polymer melts flow in a cast film process. <i>Fibers and Polymers</i> , 2007 , 8, 50-59	2	4

34	A Rheological Model for the Interface of Immiscible Polymer Melt in Blending Process. <i>Canadian Journal of Chemical Engineering</i> , 2008 , 81, 1067-1074	2.3	4
33	Correlation between linear and nonlinear material functions under large amplitude oscillatory shear. <i>Physics of Fluids</i> , 2020 , 32, 093105	4.4	4
32	Shear-induced breakdown and agglomeration in nanoparticles filled polymer: The shift of phase boundary and kinetics. <i>Journal of Rheology</i> , 2021 , 65, 291-309	4.1	4
31	Rheology And Processing of Nanoparticle Filled Polymer Blend Nanocomposites 2016 , 491-550		4
30	Functionalized Graphene Oxide-Reinforced Chitosan Hydrogel as Biomimetic Dressing for Wound Healing. <i>Macromolecular Bioscience</i> , 2021 , 21, e2000432	5.5	4
29	Simultaneous Slowdown of Segmental and Terminal Relaxation of Both Components in Dynamically Asymmetric Poly(ϵ -caprolactone)/Poly(styrene-co-acrylonitrile) Blends. <i>Macromolecules</i> , 2018 , 51, 7338-7349	5.5	4
28	Strain accelerated mesophase separation during nonlinear stress relaxation of olefin multiblock copolymer. <i>Polymer</i> , 2017 , 115, 232-238	3.9	3
27	Liquid-to-solid transition of concentrated suspensions under complex transient shear histories. <i>Physical Review E</i> , 2009 , 80, 061404	2.4	3
26	Numerical Simulation of the Melt Spinning Process of Noncircular Fibers Incorporating Surface Tension. <i>Journal of Macromolecular Science - Physics</i> , 2006 , 45, 1099-1108	1.4	3
25	Linear and nonlinear rheology of oil in liquid crystal emulsions. <i>Rheologica Acta</i> , 2020 , 59, 783-795	2.3	3
24	Bioinspired Anisotropic Chitosan Hybrid Hydrogel.. <i>ACS Applied Bio Materials</i> , 2020 , 3, 6959-6966	4.1	3
23	Self-Contained Focus-Tunable Lenses Based on Transparent and Conductive Gels. <i>Macromolecular Materials and Engineering</i> , 2020 , 305, 2000393	3.9	3
22	Nonequilibrium Structure Diagram of Pendular Suspensions under Large-Amplitude Oscillatory Shear. <i>Langmuir</i> , 2021 , 37, 6208-6218	4	3
21	Two dimensional mechanical correlation analysis on nonlinear oscillatory shear flow of yield stress fluids 2016 , 28, 175-180		3
20	Modeling of nonlinear extensional and shear rheology of low-viscosity polymer melts. <i>Polymer Engineering and Science</i> , 2021 , 61, 1077-1086	2.3	3
19	Characteristic Rheological Behaviors in Startup Shear of Entangled Polymer Melts. <i>Nihon Reoroji Gakkaishi</i> , 2021 , 49, 1-5	0.8	3
18	A biomimetic skin-like sensor with multiple sensory capabilities based on hybrid ionogel. <i>Sensors and Actuators A: Physical</i> , 2021 , 330, 112855	3.9	3
17	Mechanically interlocked networks cross-linked by a molecular necklace.. <i>Nature Communications</i> , 2022 , 13, 1393	17.4	3

16	A New Solid-like State for Liquid/Liquid/Particle Mixtures with Bicontinuous Morphology of Concentrated Emulsion and Concentrated Suspension. <i>Langmuir</i> , 2019 , 35, 9529-9537	4	2
15	Weak Shear-Induced Slowdown in Crystallization of Less-Entangled Poly(ε-caprolactone). <i>Macromolecules</i> , 2021 , 54, 3347-3357	5.5	2
14	Vitrimer bead foams: Cell density control by cell splitting in weld-compression molding. <i>Polymer</i> , 2021 , 232, 124159	3.9	2
13	Wall effect on the rheology of short-fiber suspensions under shear. <i>Journal of Rheology</i> , 2021 , 65, 1169-1185	1.85	2
12	A coalescence mechanism for the coarsening behavior of polymer blends during a quiescent annealing process. I. Monodispersed particle system 2000 , 38, 2378		2
11	Shear-induced crystallization of olefin multiblock copolymers: Role of mesophase separation and hard-block content. <i>Polymer</i> , 2020 , 198, 122535	3.9	1
10	On-demand Direct Design of Polymeric Thermal Actuator by Machine Learning Algorithm. <i>Chinese Journal of Polymer Science (English Edition)</i> , 2020 , 38, 908-914	3.5	1
9	Viscoelastic characterization of compatibilized polymer blends 2020 , 435-452		1
8	Molecular constitutive equation for unentangled branch copolymers. <i>Rheologica Acta</i> , 2021 , 60, 439-455	2.3	1
7	Molecular Dynamics of Azobenzene Polymer with Photoreversible Glass Transition. <i>Macromolecules</i> , 2022 , 55, 3711-3722	5.5	1
6	An orientation-stretch coupled model for entangled comb polymers. <i>Journal of Rheology</i> , 2021 , 65, 113-128	1.28	0
5	Symmetry breakdown in the sol-gel transition of a Guar gum transient physical network. <i>Carbohydrate Polymers</i> , 2021 , 258, 117689	10.3	0
4	Dielectric Relaxation of Type-A Rouse Chains Undergoing Reversible End-Adsorption and Desorption. <i>Nihon Reoroji Gakkaishi</i> , 2020 , 48, 27-35	0.8	
3	Selectivity of shear flow on chains for the degradation reaction of melt polyolefin elastomer with dicumyl peroxide. <i>Colloid and Polymer Science</i> , 2014 , 292, 3261-3269	2.4	
2	Abnormal rotation of a deformed liquid crystal droplet immersed in an isotropic fluid after transient flow. <i>Rheologica Acta</i> , 2011 , 50, 601-611	2.3	
1	Dynamic interfacial tension between a thermotropic liquid-crystalline polymer and a flexible polymer. <i>Journal of Applied Polymer Science</i> , 2006 , 101, 3114-3120	2.9	