

Lei Chen

List of Publications by Year in descending order

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papers

606
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566801

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#	ARTICLE	IF	CITATIONS
1	Solvent polarity driven helicity inversion and circularly polarized luminescence in chiral aggregation induced emission fluorophores. <i>Chemical Science</i> , 2020, 11, 9989-9993.	3.7	81
2	Dual Stimuli-Responsive High-Efficiency Circularly Polarized Luminescence from Light-Emitting Chiral Nematic Liquid Crystals. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 56604-56614.	4.0	66
3	Preparation and properties of side chain liquid crystalline polymers with aggregation-induced emission enhancement characteristics. <i>Journal of Materials Chemistry C</i> , 2018, 6, 7119-7127.	2.7	38
4	Fast photoinduced deformation of hydrogen-bonded supramolecular polymers containing \pm -cyanostilbene derivative. <i>Journal of Materials Chemistry A</i> , 2019, 7, 2002-2008.	5.2	37
5	Electric field, temperature and light-triggered triple dynamic circularly polarized luminescence switching in fluorescent cholesteric liquid crystals with a large dissymmetry factor. <i>Journal of Materials Chemistry C</i> , 2021, 9, 6589-6596.	2.7	30
6	Influence of the spacer and molecular weight on the phase behavior of side-chain liquid crystalline polymers containing triphenylene discotic mesogen units as side groups. <i>Polymer Chemistry</i> , 2014, 5, 6558-6568.	1.9	24
7	Influence of alkoxy tail length on the self-organization of hairy-rod polymers based on mesogen-jacketed liquid crystalline polymers. <i>Journal of Polymer Science Part A</i> , 2012, 50, 3923-3935.	2.5	22
8	Steric hindrance effect on thermoresponsive behaviors of pyrrolidone-based polymers. <i>Polymer Chemistry</i> , 2013, 4, 1068-1076.	1.9	22
9	Preparation and property manipulation of high efficiency circularly polarized luminescent liquid crystal polypeptides. <i>Journal of Materials Chemistry C</i> , 2020, 8, 13632-13641.	2.7	20
10	Side-chain chiral fluorescent liquid crystal polymers with highly efficient circularly polarized luminescence emission in a glassy-state SmC^* film. <i>Polymer Chemistry</i> , 2021, 12, 2572-2579.	1.9	19
11	Synthesis, properties and photo-responsive behavior of luminescent side chain polymers containing \pm -cyanostilbene units. <i>Polymer Chemistry</i> , 2019, 10, 2706-2715.	1.9	18
12	Influence of alkoxy tail length on the properties of side chain liquid crystal polymers with aggregation-induced emission enhancement characteristics. <i>European Polymer Journal</i> , 2018, 105, 7-16.	2.6	16
13	Preparation of chiral luminescent liquid crystals and manipulation effect of phase structures on the circularly polarized luminescence property. <i>Journal of Materials Chemistry C</i> , 2021, 9, 1279-1286.	2.7	16
14	Unusual effect of molecular weight and concentration on thermoresponsive behaviors of well-defined water-soluble semirigid polymers. <i>Journal of Polymer Science Part A</i> , 2012, 50, 3664-3673.	2.5	15
15	Influence of main chain on the phase behaviors of side-chain liquid crystalline polymers with triphenylene mesogens of long alkyl tail substituents. <i>Journal of Polymer Science Part A</i> , 2017, 55, 754-766.	2.5	15
16	Preparation, photo-induced deformation behavior and application of hydrogen-bonded crosslinked liquid crystalline elastomers based on \pm -cyanostilbene. <i>Polymer Chemistry</i> , 2020, 11, 6047-6055.	1.9	15
17	Preparation, performances and applications of multi-functional photoluminescence form-stable phase change materials. <i>Polymer</i> , 2020, 189, 122211.	1.8	14
18	Molecular simulations of gas transport in hydrogenated nitrile butadiene rubber and ethylene-propylene diene rubber. <i>RSC Advances</i> , 2020, 10, 12475-12484.	1.7	14

#	ARTICLE	IF	CITATIONS
19	Design, synthesis and thermotropic self-organization of dendronized polystyrenes with different length alkyl tails. <i>Polymer Chemistry</i> , 2016, 7, 5445-5455.	1.9	13
20	Influence of flexible spacer length on self-organization behaviors and photophysical properties of hemiphasmidic liquid crystalline polymers containing cyanostilbene. <i>European Polymer Journal</i> , 2020, 123, 109459.	2.6	12
21	Steric hindrance effect on the thermo- and photo-responsive properties of pyrene-based polymers. <i>New Journal of Chemistry</i> , 2018, 42, 5698-5708.	1.4	11
22	Novel side-chain alternative copolymer combined FRET and DRET with large pseudo-Stokes shift and polarity-sensitive fluorescence behavior. <i>Journal of Materials Chemistry C</i> , 2019, 7, 11285-11292.	2.7	10
23	Self-organization behaviours of hemiphasmidic side-chain liquid-crystalline polymers with different spacer lengths. <i>New Journal of Chemistry</i> , 2017, 41, 7553-7561.	1.4	9
24	Influence of the spacer length on the phase behaviors of mesogen-jacketed liquid crystalline polymers with a bulk side-chain. <i>RSC Advances</i> , 2015, 5, 54920-54928.	1.7	8
25	Design, synthesis and properties of hemiphasmidic luminescent liquid crystal polymers with the AIEE effect. <i>New Journal of Chemistry</i> , 2019, 43, 4205-4215.	1.4	8
26	Steric hindrance effect on thermo-responsive behaviors of well-defined water-soluble semi-rigid polymers. <i>Journal of Polymer Science Part A</i> , 2013, 51, 3429-3438.	2.5	7
27	Influence of alkyl tail length on self-organisation of side-chain liquid crystalline polymers with biphenyl hemiphasmidic mesogens. <i>Liquid Crystals</i> , 2017, 44, 1031-1043.	0.9	7
28	Multiple hydrogen-bonded cross-linked photo-responsive liquid crystal elastomers with photo-responsive fluorescence. <i>Polymer</i> , 2021, 215, 123420.	1.8	7
29	Influence of the spacer on the phase behaviors of side-chain liquid crystalline copolymers based on triphenylene discotic mesogen unit. <i>RSC Advances</i> , 2016, 6, 38790-38796.	1.7	6
30	Preparation and characterization of a multistimuli-responsive photoluminescent monomer and its corresponding polymer. <i>Polymer Chemistry</i> , 2018, 9, 5521-5530.	1.9	6
31	Preparation, property manipulation and application of E^{t} -cyanostilbene-containing photoresponsive liquid crystal elastomers with different alkoxy tail length. <i>European Polymer Journal</i> , 2021, 147, 110332.	2.6	6
32	Multistimuli-responsive small-molecule compound with aggregation-induced emission enhancement characteristics: preparation, properties and applications. <i>New Journal of Chemistry</i> , 2018, 42, 20239-20248.	1.4	5
33	Synthesis and properties of Multi-Stimuli responsive Water-Soluble copolymers with high porphyrin content. <i>European Polymer Journal</i> , 2021, 163, 110925.	2.6	3
34	The preparation and properties of circularly polarized luminescent liquid crystal physical gels with self-supporting performance. <i>Soft Matter</i> , 2022, 18, 5483-5491.	1.2	3
35	A fluorescent alternative copolymer combined energy transfer and charge transfer with large and tunable Pseudo-Stokes shift. <i>Polymer</i> , 2021, 217, 123477.	1.8	2
36	Manipulated and Improved Photoinduced Deformation Property of Photoresponsive Liquid Crystal Elastomers by Copolymerization. <i>Macromolecular Rapid Communications</i> , 2022, 43, e2100717.	2.0	1