

Danming Chao

List of Publications by Year in descending order

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71
papers

1,663
citations

304743

22
h-index

315739

38
g-index

71
all docs

71
docs citations

71
times ranked

1310
citing authors

#	ARTICLE	IF	CITATIONS
1	Single-chain polymer nanoparticles via reversible disulfide bridges. <i>Polymer Chemistry</i> , 2012, 3, 3068.	3.9	150
2	Intra-chain Photodimerization of Pendant Anthracene Units as an Efficient Route to Single-chain Nanoparticle Fabrication. <i>Macromolecular Rapid Communications</i> , 2014, 35, 249-253.	3.9	126
3	Controlled folding of a novel electroactive polyolefin via multiple sequential orthogonal intra-chain interactions. <i>Chemical Communications</i> , 2013, 49, 4178-4180.	4.1	80
4	New method of synthesis of electroactive polyamide with amine-capped aniline pentamer in the main chain. <i>Journal of Polymer Science Part A</i> , 2006, 44, 477-482.	2.3	76
5	Synthesis and characterization of electroactive polyamide with amine-capped aniline pentamer and ferrocene in the main chain by oxidative coupling polymerization. <i>Polymer</i> , 2006, 47, 2643-2648.	3.8	74
6	Highly stable electrochromic and electrofluorescent dual-switching polyamide containing bis(diphenylamino)-fluorene moieties. <i>Polymer Chemistry</i> , 2016, 7, 6055-6063.	3.9	60
7	Synthesis of novel poly(amic acid) and polyimide with oligoaniline in the main chain and their thermal, electrochemical, and dielectric properties. <i>Polymer</i> , 2010, 51, 4518-4524.	3.8	59
8	Synthesis and properties of novel electroactive poly(amic acid) and polyimide copolymers bearing pendant oligoaniline groups. <i>Polymer Chemistry</i> , 2011, 2, 1300.	3.9	53
9	Novel electroactive poly(arylene ether sulfone) copolymers containing pendant oligoaniline groups: Synthesis and properties. <i>Journal of Polymer Science Part A</i> , 2011, 49, 1605-1614.	2.3	50
10	Multiple Stimuli-Responsive Fluorescence Behavior of Novel Polyamic Acid Bearing Oligoaniline, Triphenylamine, and Fluorene Groups. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 6497-6503.	8.0	48
11	High-Performance Emission/Color Dual-Switchable Polymer-Bearing Pendant Tetraphenylethylene (TPE) and Triphenylamine (TPA) Moieties. <i>Macromolecules</i> , 2019, 52, 5131-5139.	4.8	40
12	Electroactive (A3+B2)-type hyperbranched polyimides with highly stable and multistage electrochromic behaviors. <i>Electrochimica Acta</i> , 2017, 256, 119-128.	5.2	36
13	Bioinspired Catechol-Grafting PEDOT Cathode for an All-Polymer Aqueous Proton Battery with High Voltage and Outstanding Rate Capacity. <i>Advanced Science</i> , 2022, 9, e2103896.	11.2	32
14	Aggregation-enhanced emission (AEE)-active polyamides with methylsulfonyltriphenylamine units for electrofluorochromic applications. <i>Dyes and Pigments</i> , 2017, 141, 356-362.	3.7	31
15	Novel aromatic polyamides containing 2-(diphenylamino)-(9,9-dimethylamine) units as multicolored electrochromic and high-contrast electrofluorescent materials. <i>Journal of Polymer Science Part A</i> , 2017, 55, 213-222.	2.3	31
16	Synthesis and properties of shape memory poly(aryl ether ketone)s. <i>European Polymer Journal</i> , 2019, 116, 336-341.	5.4	29
17	A novel poly(aryl ether) containing azobenzene chromophore and pendant oligoaniline: Synthesis and electrochromic properties. <i>Electrochimica Acta</i> , 2012, 60, 253-258.	5.2	28
18	New triphenylamine-based poly(amine-imide)s with carbazole-substituents for electrochromic applications. <i>Organic Electronics</i> , 2014, 15, 1422-1431.	2.6	28

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19	Electrochromic and electrofluorochromic behavior of novel polyurea bearing oligoaniline and triphenylamine units. <i>Polymer</i> , 2018, 134, 1-7.	3.8	28
20	Electroactive polyurea bearing oligoaniline pendants: Electrochromic and anticorrosive properties. <i>Polymer</i> , 2015, 58, 60-66.	3.8	27
21	Fabrication of electroactive oligoaniline functionalized poly(amic acid) nanofibers for application as an ammonia sensor. <i>RSC Advances</i> , 2013, 3, 4059.	3.6	25
22	Efficient fabrication of polymer nanoparticles via sonogashira cross-linking of linear polymers in dilute solution. <i>Journal of Polymer Science Part A</i> , 2016, 54, 209-217.	2.3	24
23	Multifunctional hyperbranched polyamide: Synthesis and properties. <i>Polymer</i> , 2013, 54, 3223-3229.	3.8	23
24	A cytocompatible conductive polydopamine towards electrochromic energy storage device. <i>Electrochimica Acta</i> , 2021, 374, 137961.	5.2	22
25	Electroactive polymer with oligoanilines in the main chain and azo chromophores in the side chain: synthesis, characterization and dielectric properties. <i>Journal of Materials Chemistry</i> , 2011, 21, 1852-1858.	6.7	21
26	The high performance of polydopamine-coated electrospun poly(ether sulfone) nanofibrous separator for lithium-ion batteries. <i>Macromolecular Research</i> , 2016, 24, 965-972.	2.4	20
27	Characterization of single-chain polymer folding using size exclusion chromatography with multiple modes of detection. <i>Applied Petrochemical Research</i> , 2015, 5, 9-17.	1.3	19
28	Oligoaniline-functionalized polysiloxane/Prussian blue composite towards bifunctional electrochromic supercapacitors. <i>New Journal of Chemistry</i> , 2020, 44, 8138-8147.	2.8	19
29	Fabrication of electrochemically responsive surface relief diffraction gratings based on a multifunctional polyamide containing oligoaniline and azo groups. <i>Journal of Materials Chemistry</i> , 2011, 21, 18317.	6.7	18
30	Poly(aryl ether ketone) composite membrane as a high-performance lithium-ion batteries separator. <i>Journal of Polymer Science Part A</i> , 2016, 54, 2714-2721.	2.3	18
31	Design and synthesis of multicolor electrochromic polymers based on oligoaniline and viologen/phenothiazine groups. <i>European Polymer Journal</i> , 2020, 138, 109979.	5.4	18
32	The elastic properties and piezochromism of polyimide films under high pressure. <i>Polymer</i> , 2016, 90, 1-8.	3.8	16
33	Electrochromic/Electrofluorochromic Supercapacitor Based on a Network Polysiloxane Bearing Oligoaniline and Cyanophenethylene Groups. <i>ACS Applied Polymer Materials</i> , 2020, 2, 3024-3033.	4.4	16
34	Synthesis and properties of multifunctional poly(amic acid) with oligoaniline and fluorene groups. <i>Colloid and Polymer Science</i> , 2013, 291, 2631-2637.	2.1	15
35	Tuning the Fluorescent Response of a Novel Electroactive Polymer with Multiple Stimuli. <i>Macromolecular Rapid Communications</i> , 2013, 34, 1648-1653.	3.9	15
36	Multicolor electrochromic performance of electroactive poly(amic acid) containing pendant oligoaniline, azobenzene and sulfonic acid groups. <i>Electrochimica Acta</i> , 2013, 89, 594-599.	5.2	15

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37	Poly(aryl ether) bearing electroactive tetraaniline pendants and allyl groups: Synthesis, photo-crosslinking and electrochemical properties. <i>Journal of Polymer Science Part A</i> , 2016, 54, 2321-2330.	2.3	15
38	Dual functional electrochromic and electrofluorochromic network polymer film prepared from two hydrolysable crosslinked siloxane monomers. <i>Journal of Electroanalytical Chemistry</i> , 2018, 823, 672-677.	3.8	15
39	Synthesis and characterization of a dual electrochromic and electrofluorochromic crosslinked polymer. <i>European Polymer Journal</i> , 2018, 106, 169-174.	5.4	15
40	Crosslinked sulfonated poly(arylene ether ketone) with pendant carboxylic acid group via poly(ethylene glycol) for proton exchange membrane. <i>Journal of Applied Polymer Science</i> , 2010, 118, 3318-3323.	2.6	14
41	An efficient fluorescent sensor for redox active species based on novel poly(aryl ether) containing electroactive pendant. <i>Journal of Materials Chemistry</i> , 2012, 22, 3028.	6.7	14
42	Synthesis and electrochromic performance of oligoaniline containing polyureas capped with various functional groups. <i>Journal of Polymer Science Part A</i> , 2018, 56, 412-419.	2.3	14
43	New electrofluorochromic polymer bearing oligoaniline, carbazole, and polyhedral oligomeric silsesquioxane: Synthesis and properties. <i>Journal of Polymer Science Part A</i> , 2017, 55, 3968-3972.	2.3	13
44	Dual-electrochromic polymer bearing oligoaniline and viologen pendants: Synthesis and properties. <i>European Polymer Journal</i> , 2019, 111, 43-48.	5.4	12
45	Performance enhancement of shape memory poly(aryl ether ketone) via photodimerization of pendant anthracene units. <i>European Polymer Journal</i> , 2020, 123, 109413.	5.4	11
46	Electroactive self-doped poly(amic acid) with oligoaniline and sulfonic acid groups: Synthesis and electrochemical properties. <i>Journal of Colloid and Interface Science</i> , 2014, 423, 7-12.	9.4	10
47	Densely Functionalized Pendant Oligoaniline Bearing Poly(oxanorbornenes): Synthesis and Electronic Properties. <i>Macromolecules</i> , 2015, 48, 5054-5057.	4.8	10
48	In situ determination of mechanical properties for poly(ether ether ketone) film under extreme conditions. <i>RSC Advances</i> , 2017, 7, 8670-8676.	3.6	10
49	Synthesis and electrochemical characterization of polyamic acid containing oligoaniline and triphenylamine. <i>Journal of Polymer Science Part A</i> , 2017, 55, 1669-1673.	2.3	10
50	A multifunctional poly(aryl ether) with oligoaniline and fluorene pendants: Synthesis, electrochromic performance, and tunable fluorescent properties. <i>Journal of Polymer Science Part A</i> , 2012, 50, 2330-2336.	2.3	9
51	Synthesis and electrochromic properties of a graphene oxide/silicon dioxide/oligoaniline interpenetrating network composite. <i>New Journal of Chemistry</i> , 2019, 43, 3829-3834.	2.8	9
52	Electrochemical performance of electroactive poly(amic acid)-Cu ²⁺ composites. <i>Applied Surface Science</i> , 2017, 392, 1-7.	6.1	8
53	Rationally-designed multi responsive fluorescent switching polymer films. <i>Dyes and Pigments</i> , 2019, 167, 77-82.	3.7	8
54	Synthesis and properties of novel electroactive poly(aryl ether ketone) bearing oligoaniline segments. <i>Journal of Polymer Research</i> , 2012, 19, 1.	2.4	7

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55	Synthesis and Properties of a Novel Electroactive Poly(aryl ether ketone) Bearing Pendant Aniline Tetramer. <i>Macromolecular Chemistry and Physics</i> , 2012, 213, 1475-1481.	2.2	7
56	Novel electroactive aromatic polyamide with oligoanilines and azo groups in the backbone: synthesis, characterization and dielectric properties. <i>Journal of Polymer Research</i> , 2012, 19, 1.	2.4	7
57	Electrochromic/electrofluorochromic poly(urea-urethane) bearing oligoaniline and tetraphenylethylene groups: Synthesis, characterization, and H ₂ O ₂ visualized determination. <i>Dyes and Pigments</i> , 2021, 194, 109594.	3.7	7
58	Hyperbranched electroactive azo polyamide based on oligoaniline: Synthesis, characterization, and dielectric properties. <i>Macromolecular Research</i> , 2011, 19, 1127-1133.	2.4	6
59	Synthesis and electronic properties of comb-like polyamides bearing different contents of tetraaniline pendant groups. <i>RSC Advances</i> , 2016, 6, 50529-50533.	3.6	6
60	Flexible and Robust Electrochromic/Optically Responsive Films Based on Novel Silica/Oligoaniline/Carbon Dots Composite. <i>ChemElectroChem</i> , 2019, 6, 5293-5300.	3.4	6
61	Synthesis and tunable properties of oligoaniline-functionalized polyamides. <i>Journal of Polymer Science Part A</i> , 2016, 54, 3343-3349.	2.3	5
62	Synthesis and properties of a novel multifunctional hyperbranched polyamide. <i>Journal of Polymer Research</i> , 2013, 20, 1.	2.4	4
63	Novel poly(aryl ether) bearing oligoaniline and carbazole pendants: synthesis and properties. <i>Journal of Materials Science</i> , 2013, 48, 5946-5952.	3.7	3
64	Synthesis and anticorrosive properties of a novel electroactive polyurea containing oligoaniline pendants. <i>Colloid and Polymer Science</i> , 2015, 293, 2217-2227.	2.1	3
65	Fabrication and electrochemically-modulated optical properties of viologen and carbon dots hybrid glass composite films. <i>Dyes and Pigments</i> , 2020, 174, 108048.	3.7	3
66	Fabrication and Electrochromic Performance of Silica/Tetraaniline/Carbon Nanotubes Composite Film. <i>Macromolecular Research</i> , 2020, 28, 721-726.	2.4	3
67	Multi-stimuli-responsive color/fluorescence dual-switching behavior of a hyperbranched polyamidoamine bearing viologen and adamantane units. <i>European Polymer Journal</i> , 2022, 176, 111404.	5.4	3
68	Synthesis and electrochemical properties of a novel poly(ether sulfone) with oligoaniline pendants. <i>Chemical Research in Chinese Universities</i> , 2015, 31, 1066-1071.	2.6	2
69	Synthesis and Characteristics of Thermo-Photo Staged-Response Shape Memory Poly(aryl ether) Tj ETQq1 1 0.784314 rgBT /Qverlock	2.4	2
70	Synthesis and characterization of electrochromic polyurea containing oligoanilines and silicon groups. <i>Macromolecular Research</i> , 2017, 25, 1153-1157.	2.4	1
71	Water-soluble Hyperbranched Polyamidoamine bearing Viologen Groups towards Electrochromic/Electrofluorochromic Dual-mode Aqueous Phase Device. <i>Macromolecular Materials and Engineering</i> , 0, , 2100977.	3.6	1