Ru-Jong Jeng

List of Publications by Year
in descending order

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227	6,007	76326	114465
papers	citations	40	63
		h-index	g-index

230	230	230	6334
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Preparation and thermal properties of epoxy-silica nanocomposites from nanoscale colloidal silica. Polymer, 2003, 44, 5159-5167.	3.8	242
2	Highly Efficient Carbazoleâ€Ï€â€Dimesitylborane Bipolar Fluorophores for Nondoped Blue Organic Lightâ€Emitting Diodes. Advanced Materials, 2008, 20, 3947-3952.	21.0	235
3	Microstructural and morphological characteristics of PSâ€“SiO2 nanocomposites. Polymer, 2000, 41, 2813-2825.	3.8	156
4	Phosphorus-containing epoxy for flame retardant. I. Synthesis, thermal, and flame-retardant properties. Journal of Applied Polymer Science, 1996, 61, 613-621.	2.6	136
5	Preparation and properties of biodegradable PBS/multi-walled carbon nanotube nanocomposites. Polymer, 2008, 49, 4602-4611.	3.8	123
6	Flame retardant epoxy polymers based on all phosphorus-containing components. European Polymer Journal, 2002, 38, 683-693.	5.4	121
7	Insight into the mechanism and outcoupling enhancement of excimer-associated white light generation. Chemical Science, 2016, 7, 3556-3563.	7.4	108
8	A facile strategy to achieve fully bio-based epoxy thermosets from eugenol. Green Chemistry, 2019, 21, 4475-4488.	9.0	95
9	Synthesis and flame-retardant properties of phosphorus-containing polymers based on poly(4-hydroxystyrene). Journal of Applied Polymer Science, 1996, 59, 1619-1625.	2.6	92
10	High-performance and high-durability perovskite photovoltaic devices prepared using ethylammonium iodide as an additive. Journal of Materials Chemistry A, 2015, 3, 9271-9277.	10.3	87
11	Expandable graphite systems for phosphorus-containing unsaturated polyesters. I. Enhanced thermal properties and flame retardancy. Polymer Degradation and Stability, 2004, 86, 339-348.	5.8	86
12	Carbon Nanodot Additives Realize Highâ€Performance Airâ€Stable pâ€“iâ€“n Perovskite Solar Cells Providing Efficiencies of up to 20.2%. Advanced Energy Materials, 2018, 8, 1802323.	19.5	86
13	Enhanced efficiency of organic and perovskite photovoltaics from shape-dependent broadband plasmonic effects of silver nanoplates. Solar Energy Materials and Solar Cells, 2015, 140, 224-231.	6.2	77
14	Stable second-order nonlinear optical polyimide/inorganic composite. Chemistry of Materials, 1992, 4, 1141-1144.	6.7	75
15	Polyurethane elastomers through multi-hydrogen-bonded association of dendritic structures. Polymer, 2005, 46, 11849-11857.	3.8	72
16	Biodegradable nanocomposites based on poly(butylene succinate)/organoclay. Journal of Polymers and the Environment, 2007, 15, 151-158.	5.0	69
17	Study on the Ring-Opening Polymerization of Benzoxazine through Multisubstituted Polybenzoxazine Precursors. Macromolecules, 2015, 48, 530-535.	4.8	68
18	Highly concentrated MoS₂ nanosheets in water achieved by thioglycolic acid as stabilizer and used as biomarkers. RSC Advances, 2014, 4, 42936-42941.	3.6	66

#	Article	IF	Citations
19	Second order optical nonlinearity on a modified sol-gel system at 100.degree.C. Chemistry of Materials, 1992, 4, 972-975.	6.7	65
20	Polymers for Electroâ€Optical Modulation. Journal of Macromolecular Science - Reviews in Macromolecular Chemistry and Physics, 2005, 45, 125-170.	2.2	63
21	Improved Blend Film Morphology and Free Carrier Generation Provide a High-Performance Ternary Polymer Solar Cell. ACS Applied Materials & Interfaces, 2021, 13, 1076-1085.	8.0	62
22	New photocrosslinkable polymers for second-order nonlinear optical processes. Die Makromolekulare Chemie Rapid Communications, 1991, 12, 607-612.	1.1	59
23	Novel Guestâ^'Host NLO Poly(ether imide) Based on a Two-Dimensional Carbazole Chromophore with Sulfonyl Acceptors. Macromolecules, 2001, 34, 2373-2384.	4.8	59
24	Effects of sulfonated polyol on the properties of the resultant aqueous polyurethane dispersions. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2006, 276, 176-185.	4.7	59
25	Single-Layered Graphene Oxide Nanosheet/Polyaniline Hybrids Fabricated Through Direct Molecular Exfoliation. Langmuir, 2011, 27, 14563-14569.	3.5	58
26	Triphenylphosphine oxide-based bismaleimide and poly(bismaleimide): Synthesis, characterization, and properties. Journal of Polymer Science Part A, 2001, 39, 1716-1725.	2.3	56
27	Thermally stable crosslinked NLO materials based on maleimides. Polymer, 2003, 44, 143-155.	3.8	56
28	Polythiophenes Comprising Conjugated Pendants for Polymer Solar Cells: A Review. Materials, 2014, 7, 2411-2439.	2.9	56
29	Preparation, characterization and crystallization kinetics of Kenaf fiber/multi-walled carbon nanotube/polylactic acid (PLA) green composites. Materials Chemistry and Physics, 2017, 196, 249-255.	4.0	56
30	100% Atom-Economy Efficiency of Recycling Polycarbonate into Versatile Intermediates. ACS Sustainable Chemistry and Engineering, 2018, 6, 8964-8975.	6.7	56
31	An interpenetrating polymer network as a stable second-order nonlinear optical material. Chemistry of Materials, 1993, 5, 592-594.	6.7	52
32	Phenoxysilicon polymer with stable second-order optical nonlinearity. Macromolecules, 1993, 26, 2530-2534.	4.8	51
33	Fabrication of Gold Nanoparticles/Graphene-PDDA Nanohybrids for Bio-detection by SERS Nanotechnology. Nanoscale Research Letters, 2015, 10, 397.	5.7	51
34	A New Class of Organicâ^'Inorganic Solâ^'Gel Materials for Second-Order Nonlinear Optics. Chemistry of Materials, 1997, 9, 883-888.	6.7	50
35	Effects of moisture on thermal and mechanical properties of nylon-6,6. Advances in Polymer Technology, 1989, 9, 157-163.	1.7	47
36	Flame retardant epoxy polymers using phosphorus-containing polyalkylene amines as curing agents. Journal of Applied Polymer Science, 2001, 82, 3526-3538.	2.6	42

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37	Water bamboo husk-reinforced poly(butylene succinate) biodegradable composites. Journal of Applied Polymer Science, 2006, 99, 188-199.	2.6	42
38	Synthesis ofN-aryl azetidine-2,4-diones and polymalonamides prepared from selective ring-opening reactions. Journal of Applied Polymer Science, 2007, 103, 3591-3599.	2.6	42
39	Nonlinear optical polyimide/montmorillonite nanocomposites consisting of azobenzene dyes. Dyes and Pigments, 2008, 77, 515-524.	3.7	42
40	Synthesis and montmorillonite-intercalated behavior of dendritic surfactants. Journal of Materials Chemistry, 2006, 16, 2056.	6.7	41
41	MoS₂â€“Gd Chelate Magnetic Nanomaterials with Coreâ€“Shell Structure Used as Contrast Agents in in Vivo Magnetic Resonance Imaging. ACS Applied Materials & Interfaces, 2016, 8, 1827-1835.	8.0	40
42	Thermally stable NLO poly(amideâ€“imide)s via sequential self-repetitive reaction. Polymer, 2007, 48, 2046-2055.	3.8	39
43	Synthesis and macroscopic second-order nonlinear optical properties of poly(ether imide)s containing a novel two-dimensional carbazole chromophore with nitro acceptors. Journal of Materials Chemistry, 2002, 12, 868-878.	6.7	38
44	Facile approach to polyurea/malonamide dendrons via a selective ring-opening addition reaction of azetidine-2,4-dione. Journal of Polymer Science Part A, 2005, 43, 682-688.	2.3	38
45	Efficient non-doped blue light emitting diodes based on novel carbazole-substituted anthracene derivatives. Organic Electronics, 2012, 13, 43-52.	2.6	37
46	Au Nanoparticles Immobilized on Honeycomb-Like Polymeric Films for Surface-Enhanced Raman Scattering (SERS) Detection. Polymers, 2017, 9, 93.	4.5	37
47	A Nearâ€Infrared Absorption Small Molecule Acceptor for Highâ€Performance Semitransparent and Colorful Binary and Ternary Organic Photovoltaics. ChemSusChem, 2020, 13, 903-913.	6.8	37
48	Preparation of epoxy resin/silica hybrid composites for epoxy molding compounds. Journal of Applied Polymer Science, 2003, 90, 4047-4053.	2.6	36
49	Enhanced thermal properties and flame retardancy from a thermosetting blend of a phosphorus-containing bismaleimide and epoxy resins. Polymers for Advanced Technologies, 2003, 14, 147-156.	3.2	36
50	Self-doping effects on the morphology, electrochemical and conductivity properties of self-assembled polyanilines. Thin Solid Films, 2008, 517, 500-505.	1.8	36
51	New carbazole-substituted anthracene derivatives based non-doped blue light-emitting devices with high brightness and efficiency. Dyes and Pigments, 2013, 99, 577-587.	3.7	36
52	Star-shaped organic semiconductors with planar triazine core and diketopyrrolopyrrole branches for solution-processed small-molecule organic solar cells. Dyes and Pigments, 2015, 115, 35-49.	3.7	36
53	Peripheral aryl-substituted pyrrole fluorophores for glassy blue-light-emitting diodes. Tetrahedron, 2007, 63, 7086-7096.	1.9	34
54	Superhydrophobic waxy-dendron-grafted polymer films via nanostructure manipulation. Journal of Materials Chemistry, 2009, 19, 4819.	6.7	34

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55	A new guest-host system: towards stable second-order optical nonlinearity. Optics Communications, 1992, 89, 212-216.	2.1	33
56	Relaxation behavior of a nonlinear optical polyimide/inorganic composite. Chemistry of Materials, 1993, 5, 743-746.	6.7	33
57	Side chain dendritic polyurethanes with shape-memory effect. Journal of Materials Chemistry, 2009, 19, 8484.	6.7	33
58	Identification of the reaction mechanism between phenyl methacrylate and epoxy and its application in preparing low-dielectric epoxy thermosets with flexibility. Polymer, 2018, 140, 225-232.	3.8	33
59	Preparation and characterization of hyperbranched polyaspartimides from bismaleimides and triamines. Journal of Polymer Science Part A, 2004, 42, 5921-5928.	2.3	32
60	High-Performance Semitransparent Organic Photovoltaics Featuring a Surface Phase-Matched Transmission-Enhancing Ag/ITO Electrode. ACS Applied Materials & Interfaces, 2020, 12, 39496-39504.	8.0	32
61	Phosphorus containing epoxy for flame retardant II: Curing reaction of bis-(3-glycidyloxy) phenylphosphine oxide. Journal of Applied Polymer Science, 1996, 61, 1789-1796.	2.6	31
62	Surface-enhanced Raman scattering of alkyne-conjugated MoS₂: a comparative study between metallic and semiconductor phases. Journal of Materials Chemistry C, 2018, 6, 1071-1082.	5.5	31
63	Stable Second-Order Nonlinear Optical Polymer Network Based on an Organosoluble Polyimide. Chemistry of Materials, 1994, 6, 884-887.	6.7	30
64	Bulky side-chain density effect on the photophysical, electrochemical and photovoltaic properties of polythiophene derivatives. Polymer, 2011, 52, 326-338.	3.8	30
65	Novel polythiophene derivatives functionalized with conjugated side-chain pendants comprising triphenylamine/carbazole moieties for photovoltaic cell applications. Polymer Chemistry, 2013, 4, 506-519.	3.9	30
66	Novel fluorescent chemosensory filter membranes composed of electrospun nanofibers with ultra-selective and reversible pH and Hg2+ sensing characteristics. Dyes and Pigments, 2017, 143, 129-142.	3.7	30
67	Floating SERS substrates of silver nanoparticles-graphene based nanosheets for rapid detection of biomolecules and clinical uremic toxins. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2019, 576, 36-42.	4.7	30
68	Synthesis, thermal properties, and flame retardancy of phosphorus containing polyimides. Journal of Applied Polymer Science, 1997, 63, 875-882.	2.6	29
69	All solâ€“gel organicâ€“inorganic nonlinear optical materials based on melamines and an alkoxysilane dye. Polymer, 1999, 40, 6417-6428.	3.8	29
70	Iterative Synthesis of Extenders of Uniform Chain Lengths for Making Thermo-Reversible Polyurethane Supramolecules. Macromolecules, 2008, 41, 682-690.	4.8	29
71	Synthesis of Surfactant-Free and Morphology-Controllable Vanadium Diselenide for Efficient Counter Electrodes in Dye-Sensitized Solar Cells. ACS Applied Materials & Interfaces, 2019, 11, 25090-25099.	8.0	29
72	Thermal degradation behaviour and kinetic analysis of unsaturated polyester-based composites and IPNs by conventional and modulated thermogravimetric analysis. Polymer Degradation and Stability, 2006, 91, 823-831.	5.8	28

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73	Organo-clay hybrids based on dendritic molecules: preparation and characterization. Nanotechnology, 2007, 18, 205606.	2.6	27
74	Low loss second-order nonlinear optical polymers based on all organic sol-gel materials. Journal of Applied Polymer Science, 1995, 55, 209-214.	2.6	26
75	Organic/Inorganic NLO materials based on reactive polyimides and a bulky alkoxysilane dye via sol/Gel process. Polymers for Advanced Technologies, 2003, 14, 66-75.	3.2	26
76	Using a breath-figure method to self-organize honeycomb-like polymeric films from dendritic side-chain polymers. Materials Chemistry and Physics, 2011, 128, 157-165.	4.0	26
77	Individual graphene oxide platelets through direct molecular exfoliation with globular amphiphilic hyperbranched polymers. Polymer Chemistry, 2012, 3, 1249.	3.9	26
78	IPNs based on unsaturated polyester/epoxy: IV. Investigation on hydrogen bonding, compatability and interaction behavior. Polymer International, 2004, 53, 1892-1898.	3.1	25
79	The role of Y6 as the third component in fullerene-free ternary organic photovoltaics. Dyes and Pigments, 2020, 181, 108613.	3.7	25
80	Silver nanoparticles embedded on mesoporous-silica modified reduced graphene-oxide nanosheets for SERS detection of uremic toxins and parathyroid hormone. Applied Surface Science, 2020, 521, 146372.	6.1	25
81	Dipolar relaxation in a second-order nonlinear optical interpenetrating polymer network. Macromolecules, 1993, 26, 7379-7381.	4.8	24
82	Carbon black containing IPNs based on unsaturated polyester/epoxy. I. Dynamic mechanical properties, thermal analysis, and morphology. Journal of Applied Polymer Science, 2002, 86, 1904-1910.	2.6	24
83	Second-order nonlinear optical hyperbranched polymers via facile ring-opening addition reaction of azetidine-2,4-dione. European Polymer Journal, 2007, 43, 3988-3996.	5.4	24
84	Enhanced thermal stability of organic photovoltaics via incorporating triphenylamine derivatives as additives. Solar Energy Materials and Solar Cells, 2016, 157, 666-675.	6.2	24
85	Optical Nonâ€Linearity from Montmorillonite Intercalated with a Chromophoreâ€Containing Dendritic Structure: A Selfâ€Assembly Approach. Macromolecular Rapid Communications, 2008, 29, 587-592.	3.9	23
86	Organic/Metallic Nanohybrids Based on Amphiphilic Dumbbell-Shaped Dendrimers. ACS Applied Materials & Interfaces, 2012, 4, 1897-1908.	8.0	23
87	Indacenodithiophene-based N-type conjugated polymers provide highly thermally stable ternary organic photovoltaics displaying a performance of 17.5%. Journal of Materials Chemistry A, 2021, 9, 9780-9790.	10.3	23
88	Photocrosslinkable polymers with stable second-order optical nonlinearity. Optics Communications, 1992, 88, 77-80.	2.1	22
89	Enhanced Temporal Stability of an NLO Polyurethane via a Two-Dimensional Chromophore. Macromolecular Rapid Communications, 2001, 22, 601-606.	3.9	22
90	Carbazole/fluorene copolymers with dimesitylboron pendants for blue light-emitting diodes. Polymer, 2011, 52, 976-986.	3.8	22

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91	Origin of the Rapid Trimerization of Cyanate Ester in a Benzoxazine/Cyanate Ester Blend. Macromolecules, 2015, 48, 2417-2421.	4.8	22
92	The robustness of a thermoset of a main-chain type polybenzoxazine precursor prepared through a strategy of Aâ€“A and Bâ€“B polycondensation. RSC Advances, 2016, 6, 18678-18684.	3.6	22
93	Manipulated interparticle gaps of silver nanoparticles by dendron-exfoliated reduced graphene oxide nanohybrids for SERS detection. Applied Surface Science, 2019, 469, 887-895.	6.1	22
94	Sequential self-repetitive reaction toward wholly aromatic polyimides with highly stable optical nonlinearity. Polymer Chemistry, 2011, 2, 685-693.	3.9	21
95	Synthesis and photovoltaic properties of two-dimensional conjugated polythiophene derivatives presenting conjugated triphenylamine/thiophene moieties. Polymer, 2012, 53, 4091-4103.	3.8	21
96	Enhanced shape memory performance of polyurethanes via the incorporation of organic or inorganic networks. RSC Advances, 2015, 5, 16897-16910.	3.6	21
97	Novel Side-Chain Dendritic Polyurethanes Based on Hydrogen Bonding Rich Polyurea/Malonamide Dendrons. Macromolecular Materials and Engineering, 2006, 291, 395-404.	3.6	20
98	Nanoscale organic/inorganic hybrids based on self-organized dendritic macromolecules on montmorillonites. Applied Clay Science, 2010, 48, 103-110.	5.2	20
99	Well-Defined Polyamide Synthesis from Diisocyanates and Diacids Involving Hindered Carbodiimide Intermediates. Macromolecules, 2011, 44, 46-59.	4.8	20
100	Metal-free efficient dye-sensitized solar cells based on thioalkylated bithiophenyl organic dyes. Journal of Materials Chemistry C, 2020, 8, 15322-15330.	5.5	20
101	Honeycomb-like polymeric films from dendritic polymers presenting reactive pendent moieties. Polymer, 2014, 55, 1481-1490.	3.8	19
102	Structureâ€“Property Relationship Study of Donor and Acceptor 2,6â€Disubstituted BODIPY Derivatives for High Performance Dyeâ€Sensitized Solar Cells. Chemistry - A European Journal, 2017, 23, 14747-14759.	3.3	19
103	Surface properties of buffer layers affect the performance of PM6:Y6â€“based organic photovoltaics. Organic Electronics, 2020, 87, 105944.	2.6	19
104	Carbon black-containing interpenetrating polymer networks based on unsaturated polyester/epoxyII. Thermal degradation behavior and kinetic analysis. Polymer Degradation and Stability, 2002, 77, 67-76.	5.8	18
105	Orderly Arranged NLO Materials Based on Chromophore-Containing Dendrons on Exfoliated Layered Templates. ACS Applied Materials & Interfaces, 2009, 1, 2371-2381.	8.0	18
106	Novel Multifunctional Luminescent Electrospun Fluorescent Nanofiber Chemosensor-Filters and Their Versatile Sensing of pH, Temperature, and Metal Ions. Polymers, 2018, 10, 1259.	4.5	18
107	Green poly-lysine as electron-extraction modified layer with over 15% power conversion efficiency and its application in bio-based flexible organic solar cells. Organic Electronics, 2020, 87, 105924.	2.6	18
108	Realizing Stable Highâ€Performance and Lowâ€Energyâ€Loss Ternary Photovoltaics through Judicious Selection of the Third Component. Solar Rrl, 2021, 5, 2100450.	5.8	18

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109	Small Molecules with Controllable Molecular Weights Passivate Surface Defects in Airâ€Stable pâ€iâ€n Perovskite Solar Cells. Advanced Electronic Materials, 2021, 7, 2000870.	5.1	18
110	Thin film processing of NLO materialsâ€"I. Studies on relaxation behaviour of corona poled aromatic dipolar molecules in a polymer matrix. European Polymer Journal, 1991, 27, 735-741.	5.4	17
111	Dielectric study of a ferroelectric side-chain liquid crystalline polysiloxane with a broad temperature range of the chiral smectic C phase: 2. Doping effect of a non-linear optically active dye. Polymer, 1997, 38, 887-895.	3.8	17
112	The facile synthesis and optical nonlinearity of hyperbranched polyaspartimides with azobenzene dyes. Dyes and Pigments, 2009, 82, 31-39.	3.7	17
113	Nonlinear optical, poly(amide-imide)â€"clay nanocomposites comprising an azobenzene moiety synthesised via sequential self-repetitive reaction. Dyes and Pigments, 2009, 82, 76-83.	3.7	17
114	A novel multifunctional polymer ionic liquid as an additive in iodide electrolyte combined with silver mirror coating counter electrodes for quasi-solid-state dye-sensitized solar cells. Journal of Materials Chemistry A, 2021, 9, 4907-4921.	10.3	17
115	Dielectric study of ferroelectric side-chain liquid crystalline polysiloxanes with broad temperature ranges of the chiral smectic c phase 1. Structure dependence of dielectric relaxation. Journal of Polymer Science, Part B: Polymer Physics, 1996, 34, 555-563.	2.1	16
116	Organic sol-gel materials for second-order nonlinear optics based on melamines. Journal of Polymer Science Part A, 1999, 37, 2503-2510.	2.3	16
117	Preparation and characterization of all organic NLO sol-gel materials based on amino azobenzene dyes. Macromolecular Chemistry and Physics, 2000, 201, 2336-2347.	2.2	16
118	Crossâ€linked and uncrossâ€linked biodegradable nanocomposites. I. Nonisothermal crystallization kinetics and gas permeability. Journal of Applied Polymer Science, 2008, 110, 1068-1079.	2.6	16
119	Facile synthetic route toward poly(vinyl benzyl amine) and its versatile intermediates. Polymer, 2008, 49, 1497-1505.	3.8	15
120	Nanocomposites with enhanced electrical properties based on biodegradable poly(butylene succinate) and polyetheramine modified carbon nanotube. Journal of the Taiwan Institute of Chemical Engineers, 2012, 43, 322-328.	5.3	15
121	A study on the co-reaction of benzoxazine and triazine through a triazine-containing benzoxazine. RSC Advances, 2016, 6, 17539-17545.	3.6	15
122	Embedding a Diketopyrrolopyrrole-Based Cross-linking Interfacial Layer Enhances the Performance of Organic Photovoltaics. ACS Applied Materials & Interfaces, 2018, 10, 8885-8892.	8.0	15
123	The green poly-lysine enantiomers as electron-extraction layers for high performance organic photovoltaics. Journal of Materials Chemistry C, 2019, 7, 12572-12579.	5.5	15
124	Si-Bridged Ladder-Type Small-Molecule Acceptors for High-Performance Organic Photovoltaics. ACS Applied Materials & Interfaces, 2019, 11, 1125-1134.	8.0	15
125	Iterative synthesis of monodisperse pendants for making comb-like polyurethanes. Polymer, 2017, 119, 1-12.	3.8	15
126	Low loss second-order non-linear optical crosslinked polymers based on a phosphorus-containing maleimide. Polymers for Advanced Technologies, 2004, 15, 587-592.	3.2	14

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127	Stable secondâ€order nonlinear optical poly(amideâ€“imide)/inorganic materials via simultaneous sequential selfâ€repetitive reaction and solâ€“gel process. Polymers for Advanced Technologies, 2008, 19, 984-992.	3.2	14
128	Tailored thermal and mechanical properties of epoxy resins prepared using multiply hydrogenâ€bonding reactive modifiers. Journal of Applied Polymer Science, 2011, 120, 2411-2420.	2.6	14
129	Preparation of Supramolecular Extenders with Precise Chain Lengths via Iterative Synthesis and Their Applications in Polyurethane Elastomers. Macromolecules, 2012, 45, 5358-5370.	4.8	14
130	Enhanced photovoltaic performance of inverted polymer solar cells by incorporating graphene nanosheet/AgNPs nanohybrids. RSC Advances, 2015, 5, 25192-25203.	3.6	14
131	Enhanced Device Performance and Stability of Organic Photovoltaics Incorporating a Star-Shaped Multifunctional Additive. ACS Applied Energy Materials, 2019, 2, 833-843.	5.1	14
132	Conjugated polyelectrolytes as promising hole transport materials for inverted perovskite solar cells: effect of ionic groups. Journal of Materials Chemistry A, 2020, 8, 25173-25177.	10.3	14
133	Size-dependent phase separation and thermomechanical properties of thermoplastic polyurethanes. Polymer, 2020, 210, 123075.	3.8	14
134	Robust thermoplastic polyurethane elastomers prepared from recycling polycarbonate. Polymer, 2021, 212, 123296.	3.8	14
135	Semi-Interpenetrating Polymer Network Electrolytes Based on a Spiro-Twisted Benzoxazine for All-Solid-State Lithium-Ion Batteries. ACS Applied Energy Materials, 2021, 4, 2663-2671.	5.1	14
136	Carbon black containing interpenetrating polymer networks based on unsaturated polyester/epoxy III: thermal and pyrolysis analysis. Journal of Analytical and Applied Pyrolysis, 2003, 70, 129-141.	5.5	13
137	Efficient and bright non-doped blue light-emitting diodes based on glassy styrylcarbazoles. Thin Solid Films, 2008, 516, 4145-4152.	1.8	13
138	Synthesis and Rapid Polymerizations of Aryl- and Alkyl-bis(azetidine-2,4-dione)s to Polymalonamide Elastomers. Macromolecules, 2008, 41, 9637-9642.	4.8	13
139	A reactive modifier that enhances the thermal mechanical properties of epoxy resin through the formation of multiple hydrogen-bonded network. Journal of Polymer Research, 2011, 18, 1169-1176.	2.4	13
140	Tailored honeycomb-like polymeric films based on amphiphilic poly(urea/malonamide) dendrons. RSC Advances, 2016, 6, 91981-91990.	3.6	13
141	Honeycomb Surface with Shape Memory Behavior Fabricated via Breath Figure Process. Macromolecular Materials and Engineering, 2018, 303, 1700433.	3.6	13
142	New addition reaction of polymers carrying pendent oxetane rings: Synthesis of a nonlinear optical polymer. Journal of Polymer Science Part A, 1994, 32, 3201-3204.	2.3	12
143	Facile Solution Dropping Method: A Green Process for Dyeing TiO₂ Electrodes of Dye-Sensitized Solar Cells with Enhanced Power Conversion Efficiency. ACS Sustainable Chemistry and Engineering, 2015, 3, 71-81.	6.7	12
144	Reduced graphene oxide nanosheets decorated with core-shell of Fe3O4-Au nanoparticles for rapid SERS detection and hyperthermia treatment of bacteria. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2022, 281, 121578.	3.9	12

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145	Enhancing the glass-transition temperature of polyimide copolymers containing 2,2?-bipyridine units by the coordination of nickel malenonitriledithiolate. Journal of Polymer Science Part A, 2000, 38, 498-503.	2.3	11
146	Stable second-order NLO semi-IPN system based on bipyridine-containing polyimide and alkoxysilane dye. Polymers for Advanced Technologies, 2005, 16, 515-523.	3.2	11
147	Synthesis of quaternized ammonium iodideâ€containing conjugated polymer electrolytes and their application in dyeâ€sensitized solar cells. Polymer International, 2011, 60, 483-492.	3.1	11
148	Synthesis and characterization of halogen-containing ferroelectric liquid crystals and side chain liquid crystalline polymers. Liquid Crystals, 2001, 28, 365-374.	2.2	10
149	Organically modified inorganic sol-gel materials for second-order nonlinear optics. Journal of Applied Polymer Science, 2001, 79, 1852-1859.	2.6	10
150	Functionalization of silica nanoparticles with 4-isocyanato-4â€²-(3,3â€²-dimethyl-2,4-dioxo-azetidino)diphenyl methane, surface chemical reactivity and nanohybrid preparation. Journal of Colloid and Interface Science, 2009, 336, 189-194.	9.4	10
151	Thermally stable hyperbranched nonlinear optical polyimides using an â€œA2+B3â€•approach. Materials Chemistry and Physics, 2011, 127, 107-113.	4.0	10
152	Polythiophene derivative comprising carbazoles as pendant groups for polymer solar cell applications. Thin Solid Films, 2011, 519, 5264-5269.	1.8	10
153	Orderly arranged NLO materials on exfoliated layered templates based on dendrons with alternating moieties at the periphery. Polymer Chemistry, 2013, 4, 2747.	3.9	10
154	Tough Polymer Electrolyte with an Intrinsically Stabilized Interface with Li Metal for All-Solid-State Lithium-Ion Batteries. Journal of Physical Chemistry C, 2021, 125, 26339-26347.	3.1	10
155	Nonlinear optical polyimides consisting of chromophoreâ€containing dendrons with siteâ€isolation effect. Polymers for Advanced Technologies, 2009, 20, 493-500.	3.2	9
156	Electrochemical impedance characterization and photovoltaic performance of N719 dyeâ€sensitized solar cells using quaternized ammonium iodide containing polyfluorene electrolyte solutions. Polymers for Advanced Technologies, 2011, 22, 1650-1657.	3.2	9
157	Polythiophenes comprising conjugated pendants toward long-term air-stable inverted polymer solar cells with high open circuit voltages. Journal of Materials Chemistry A, 2013, 1, 8950.	10.3	9
158	Dendrons with urea/malonamide linkages for gate insulators of n-channel organic thin film transistors. Reactive and Functional Polymers, 2016, 108, 86-93.	4.1	9
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