

# Ru-Jong Jeng

## List of Publications by Year in descending order

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224  
papers

6,007  
citations

76294

40  
h-index

114418

63  
g-index

230  
all docs

230  
docs citations

230  
times ranked

6334  
citing authors

#	ARTICLE	IF	CITATIONS
1	Preparation and thermal properties of epoxy-silica nanocomposites from nanoscale colloidal silica. <i>Polymer</i> , 2003, 44, 5159-5167.	1.8	242
2	Highly Efficient Carbazole-Dimesitylborane Bipolar Fluorophores for Nondoped Blue Organic Light-Emitting Diodes. <i>Advanced Materials</i> , 2008, 20, 3947-3952.	11.1	235
3	Microstructural and morphological characteristics of PS-SiO <sub>2</sub> nanocomposites. <i>Polymer</i> , 2000, 41, 2813-2825.	1.8	156
4	Phosphorus-containing epoxy for flame retardant. I. Synthesis, thermal, and flame-retardant properties. <i>Journal of Applied Polymer Science</i> , 1996, 61, 613-621.	1.3	136
5	Preparation and properties of biodegradable PBS/multi-walled carbon nanotube nanocomposites. <i>Polymer</i> , 2008, 49, 4602-4611.	1.8	123
6	Flame retardant epoxy polymers based on all phosphorus-containing components. <i>European Polymer Journal</i> , 2002, 38, 683-693.	2.6	121
7	Insight into the mechanism and outcoupling enhancement of excimer-associated white light generation. <i>Chemical Science</i> , 2016, 7, 3556-3563.	3.7	108
8	A facile strategy to achieve fully bio-based epoxy thermosets from eugenol. <i>Green Chemistry</i> , 2019, 21, 4475-4488.	4.6	95
9	Synthesis and flame-retardant properties of phosphorus-containing polymers based on poly(4-hydroxystyrene). <i>Journal of Applied Polymer Science</i> , 1996, 59, 1619-1625.	1.3	92
10	High-performance and high-durability perovskite photovoltaic devices prepared using ethylammonium iodide as an additive. <i>Journal of Materials Chemistry A</i> , 2015, 3, 9271-9277.	5.2	87
11	Expandable graphite systems for phosphorus-containing unsaturated polyesters. I. Enhanced thermal properties and flame retardancy. <i>Polymer Degradation and Stability</i> , 2004, 86, 339-348.	2.7	86
12	Carbon Nanodot Additives Realize High-Performance Air-Stable perovskite Solar Cells Providing Efficiencies of up to 20.2%. <i>Advanced Energy Materials</i> , 2018, 8, 1802323.	10.2	86
13	Enhanced efficiency of organic and perovskite photovoltaics from shape-dependent broadband plasmonic effects of silver nanoplates. <i>Solar Energy Materials and Solar Cells</i> , 2015, 140, 224-231.	3.0	77
14	Stable second-order nonlinear optical polyimide/inorganic composite. <i>Chemistry of Materials</i> , 1992, 4, 1141-1144.	3.2	75
15	Polyurethane elastomers through multi-hydrogen-bonded association of dendritic structures. <i>Polymer</i> , 2005, 46, 11849-11857.	1.8	72
16	Biodegradable nanocomposites based on poly(butylene succinate)/organoclay. <i>Journal of Polymers and the Environment</i> , 2007, 15, 151-158.	2.4	69
17	Study on the Ring-Opening Polymerization of Benzoxazine through Multisubstituted Polybenzoxazine Precursors. <i>Macromolecules</i> , 2015, 48, 530-535.	2.2	68
18	Highly concentrated MoS <sub>2</sub> nanosheets in water achieved by thioglycolic acid as stabilizer and used as biomarkers. <i>RSC Advances</i> , 2014, 4, 42936-42941.	1.7	66

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19	Second order optical nonlinearity on a modified sol-gel system at 100.degree.C. Chemistry of Materials, 1992, 4, 972-975.	3.2	65
20	Polymers for Electro-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.	4.0	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 Guest-Host NLO Poly(ether imide) Based on a Two-Dimensional Carbazole Chromophore with Sulfonyl Acceptors. Macromolecules, 2001, 34, 2373-2384.	2.2	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.	2.3	59
25	Single-Layered Graphene Oxide Nanosheet/Polyaniline Hybrids Fabricated Through Direct Molecular Exfoliation. Langmuir, 2011, 27, 14563-14569.	1.6	58
26	Triphenylphosphine oxide-based bismaleimide and poly(bismaleimide): Synthesis, characterization, and properties. Journal of Polymer Science Part A, 2001, 39, 1716-1725.	2.5	56
27	Thermally stable crosslinked NLO materials based on maleimides. Polymer, 2003, 44, 143-155.	1.8	56
28	Polythiophenes Comprising Conjugated Pendants for Polymer Solar Cells: A Review. Materials, 2014, 7, 2411-2439.	1.3	56
29	Preparation, characterization and crystallization kinetics of Kenaf fiber/multi-walled carbon nanotube/poly(lactic acid) (PLA) green composites. Materials Chemistry and Physics, 2017, 196, 249-255.	2.0	56
30	100% Atom-Economy Efficiency of Recycling Polycarbonate into Versatile Intermediates. ACS Sustainable Chemistry and Engineering, 2018, 6, 8964-8975.	3.2	56
31	An interpenetrating polymer network as a stable second-order nonlinear optical material. Chemistry of Materials, 1993, 5, 592-594.	3.2	52
32	Phenoxysilicon polymer with stable second-order optical nonlinearity. Macromolecules, 1993, 26, 2530-2534.	2.2	51
33	Fabrication of Gold Nanoparticles/Graphene-PDDA Nanohybrids for Bio-detection by SERS Nanotechnology. Nanoscale Research Letters, 2015, 10, 397.	3.1	51
34	A New Class of Organic-Inorganic Sol-Gel Materials for Second-Order Nonlinear Optics. Chemistry of Materials, 1997, 9, 883-888.	3.2	50
35	Effects of moisture on thermal and mechanical properties of nylon-6,6. Advances in Polymer Technology, 1989, 9, 157-163.	0.8	47
36	Flame retardant epoxy polymers using phosphorus-containing polyalkylene amines as curing agents. Journal of Applied Polymer Science, 2001, 82, 3526-3538.	1.3	42

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37	Water bamboo husk-reinforced poly(butylene succinate) biodegradable composites. <i>Journal of Applied Polymer Science</i> , 2006, 99, 188-199.	1.3	42
38	Synthesis of N-aryl azetidine-2,4-diones and polymalonamides prepared from selective ring-opening reactions. <i>Journal of Applied Polymer Science</i> , 2007, 103, 3591-3599.	1.3	42
39	Nonlinear optical polyimide/montmorillonite nanocomposites consisting of azobenzene dyes. <i>Dyes and Pigments</i> , 2008, 77, 515-524.	2.0	42
40	Synthesis and montmorillonite-intercalated behavior of dendritic surfactants. <i>Journal of Materials Chemistry</i> , 2006, 16, 2056.	6.7	41
41	MoS <sub>2</sub> Gd Chelate Magnetic Nanomaterials with Core-Shell Structure Used as Contrast Agents in <i>in Vivo</i> Magnetic Resonance Imaging. <i>ACS Applied Materials &amp; Interfaces</i> , 2016, 8, 1827-1835.	4.0	40
42	Thermally stable NLO poly(amide-imide)s via sequential self-repetitive reaction. <i>Polymer</i> , 2007, 48, 2046-2055.	1.8	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. <i>Journal of Materials Chemistry</i> , 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. <i>Journal of Polymer Science Part A</i> , 2005, 43, 682-688.	2.5	38
45	Efficient non-doped blue light emitting diodes based on novel carbazole-substituted anthracene derivatives. <i>Organic Electronics</i> , 2012, 13, 43-52.	1.4	37
46	Au Nanoparticles Immobilized on Honeycomb-Like Polymeric Films for Surface-Enhanced Raman Scattering (SERS) Detection. <i>Polymers</i> , 2017, 9, 93.	2.0	37
47	A Near-Infrared Absorption Small Molecule Acceptor for High-Performance Semitransparent and Colorful Binary and Ternary Organic Photovoltaics. <i>ChemSusChem</i> , 2020, 13, 903-913.	3.6	37
48	Preparation of epoxy resin/silica hybrid composites for epoxy molding compounds. <i>Journal of Applied Polymer Science</i> , 2003, 90, 4047-4053.	1.3	36
49	Enhanced thermal properties and flame retardancy from a thermosetting blend of a phosphorus-containing bismaleimide and epoxy resins. <i>Polymers for Advanced Technologies</i> , 2003, 14, 147-156.	1.6	36
50	Self-doping effects on the morphology, electrochemical and conductivity properties of self-assembled polyanilines. <i>Thin Solid Films</i> , 2008, 517, 500-505.	0.8	36
51	New carbazole-substituted anthracene derivatives based non-doped blue light-emitting devices with high brightness and efficiency. <i>Dyes and Pigments</i> , 2013, 99, 577-587.	2.0	36
52	Star-shaped organic semiconductors with planar triazine core and diketopyrrolopyrrole branches for solution-processed small-molecule organic solar cells. <i>Dyes and Pigments</i> , 2015, 115, 35-49.	2.0	36
53	Peripheral aryl-substituted pyrrole fluorophores for glassy blue-light-emitting diodes. <i>Tetrahedron</i> , 2007, 63, 7086-7096.	1.0	34
54	Superhydrophobic waxy-dendron-grafted polymer films via nanostructure manipulation. <i>Journal of Materials Chemistry</i> , 2009, 19, 4819.	6.7	34

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55	A new guest-host system: towards stable second-order optical nonlinearity. <i>Optics Communications</i> , 1992, 89, 212-216.	1.0	33
56	Relaxation behavior of a nonlinear optical polyimide/inorganic composite. <i>Chemistry of Materials</i> , 1993, 5, 743-746.	3.2	33
57	Side chain dendritic polyurethanes with shape-memory effect. <i>Journal of Materials Chemistry</i> , 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. <i>Polymer</i> , 2018, 140, 225-232.	1.8	33
59	Preparation and characterization of hyperbranched polyaspartimides from bismaleimides and triamines. <i>Journal of Polymer Science Part A</i> , 2004, 42, 5921-5928.	2.5	32
60	High-Performance Semitransparent Organic Photovoltaics Featuring a Surface Phase-Matched Transmission-Enhancing Ag/ITO Electrode. <i>ACS Applied Materials &amp; Interfaces</i> , 2020, 12, 39496-39504.	4.0	32
61	Phosphorus containing epoxy for flame retardant II: Curing reaction of bis-(3-glycidylloxy) phenylphosphine oxide. <i>Journal of Applied Polymer Science</i> , 1996, 61, 1789-1796.	1.3	31
62	Surface-enhanced Raman scattering of alkyne-conjugated MoS <sub>2</sub> : a comparative study between metallic and semiconductor phases. <i>Journal of Materials Chemistry C</i> , 2018, 6, 1071-1082.	2.7	31
63	Stable Second-Order Nonlinear Optical Polymer Network Based on an Organosoluble Polyimide. <i>Chemistry of Materials</i> , 1994, 6, 884-887.	3.2	30
64	Bulky side-chain density effect on the photophysical, electrochemical and photovoltaic properties of polythiophene derivatives. <i>Polymer</i> , 2011, 52, 326-338.	1.8	30
65	Novel polythiophene derivatives functionalized with conjugated side-chain pendants comprising triphenylamine/carbazole moieties for photovoltaic cell applications. <i>Polymer Chemistry</i> , 2013, 4, 506-519.	1.9	30
66	Novel fluorescent chemosensory filter membranes composed of electrospun nanofibers with ultra-selective and reversible pH and Hg <sup>2+</sup> sensing characteristics. <i>Dyes and Pigments</i> , 2017, 143, 129-142.	2.0	30
67	Floating SERS substrates of silver nanoparticles-graphene based nanosheets for rapid detection of biomolecules and clinical uremic toxins. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2019, 576, 36-42.	2.3	30
68	Synthesis, thermal properties, and flame retardancy of phosphorus containing polyimides. <i>Journal of Applied Polymer Science</i> , 1997, 63, 875-882.	1.3	29
69	All sol-gel organic-inorganic nonlinear optical materials based on melamines and an alkoxy silane dye. <i>Polymer</i> , 1999, 40, 6417-6428.	1.8	29
70	Iterative Synthesis of Extenders of Uniform Chain Lengths for Making Thermo-Reversible Polyurethane Supramolecules. <i>Macromolecules</i> , 2008, 41, 682-690.	2.2	29
71	Synthesis of Surfactant-Free and Morphology-Controllable Vanadium Diselenide for Efficient Counter Electrodes in Dye-Sensitized Solar Cells. <i>ACS Applied Materials &amp; Interfaces</i> , 2019, 11, 25090-25099.	4.0	29
72	Thermal degradation behaviour and kinetic analysis of unsaturated polyester-based composites and IPNs by conventional and modulated thermogravimetric analysis. <i>Polymer Degradation and Stability</i> , 2006, 91, 823-831.	2.7	28

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73	Organo-clay hybrids based on dendritic molecules: preparation and characterization. <i>Nanotechnology</i> , 2007, 18, 205606.	1.3	27
74	Low loss second-order nonlinear optical polymers based on all organic sol-gel materials. <i>Journal of Applied Polymer Science</i> , 1995, 55, 209-214.	1.3	26
75	Organic/Inorganic NLO materials based on reactive polyimides and a bulky alkoxysilane dye via sol/Gel process. <i>Polymers for Advanced Technologies</i> , 2003, 14, 66-75.	1.6	26
76	Using a breath-figure method to self-organize honeycomb-like polymeric films from dendritic side-chain polymers. <i>Materials Chemistry and Physics</i> , 2011, 128, 157-165.	2.0	26
77	Individual graphene oxide platelets through direct molecular exfoliation with globular amphiphilic hyperbranched polymers. <i>Polymer Chemistry</i> , 2012, 3, 1249.	1.9	26
78	IPNs based on unsaturated polyester/epoxy: IV. Investigation on hydrogen bonding, compatability and interaction behavior. <i>Polymer International</i> , 2004, 53, 1892-1898.	1.6	25
79	The role of Y6 as the third component in fullerene-free ternary organic photovoltaics. <i>Dyes and Pigments</i> , 2020, 181, 108613.	2.0	25
80	Silver nanoparticles embedded on mesoporous-silica modified reduced graphene-oxide nanosheets for SERS detection of uremic toxins and parathyroid hormone. <i>Applied Surface Science</i> , 2020, 521, 146372.	3.1	25
81	Dipolar relaxation in a second-order nonlinear optical interpenetrating polymer network. <i>Macromolecules</i> , 1993, 26, 7379-7381.	2.2	24
82	Carbon black containing IPNs based on unsaturated polyester/epoxy. I. Dynamic mechanical properties, thermal analysis, and morphology. <i>Journal of Applied Polymer Science</i> , 2002, 86, 1904-1910.	1.3	24
83	Second-order nonlinear optical hyperbranched polymers via facile ring-opening addition reaction of azetidine-2,4-dione. <i>European Polymer Journal</i> , 2007, 43, 3988-3996.	2.6	24
84	Enhanced thermal stability of organic photovoltaics via incorporating triphenylamine derivatives as additives. <i>Solar Energy Materials and Solar Cells</i> , 2016, 157, 666-675.	3.0	24
85	Optical Nonlinearity from Montmorillonite Intercalated with a Chromophore-Containing Dendritic Structure: A Self-Assembly Approach. <i>Macromolecular Rapid Communications</i> , 2008, 29, 587-592.	2.0	23
86	Organic/Metallic Nanohybrids Based on Amphiphilic Dumbbell-Shaped Dendrimers. <i>ACS Applied Materials &amp; Interfaces</i> , 2012, 4, 1897-1908.	4.0	23
87	Indacenodithiophene-based N-type conjugated polymers provide highly thermally stable ternary organic photovoltaics displaying a performance of 17.5%. <i>Journal of Materials Chemistry A</i> , 2021, 9, 9780-9790.	5.2	23
88	Photocrosslinkable polymers with stable second-order optical nonlinearity. <i>Optics Communications</i> , 1992, 88, 77-80.	1.0	22
89	Enhanced Temporal Stability of an NLO Polyurethane via a Two-Dimensional Chromophore. <i>Macromolecular Rapid Communications</i> , 2001, 22, 601-606.	2.0	22
90	Carbazole/fluorene copolymers with dimesitylboron pendants for blue light-emitting diodes. <i>Polymer</i> , 2011, 52, 976-986.	1.8	22

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91	Origin of the Rapid Trimerization of Cyanate Ester in a Benzoxazine/Cyanate Ester Blend. <i>Macromolecules</i> , 2015, 48, 2417-2421.	2.2	22
92	The robustness of a thermoset of a main-chain type polybenzoxazine precursor prepared through a strategy of A-B and B-B polycondensation. <i>RSC Advances</i> , 2016, 6, 18678-18684.	1.7	22
93	Manipulated interparticle gaps of silver nanoparticles by dendron-exfoliated reduced graphene oxide nanohybrids for SERS detection. <i>Applied Surface Science</i> , 2019, 469, 887-895.	3.1	22
94	Sequential self-repetitive reaction toward wholly aromatic polyimides with highly stable optical nonlinearity. <i>Polymer Chemistry</i> , 2011, 2, 685-693.	1.9	21
95	Synthesis and photovoltaic properties of two-dimensional conjugated polythiophene derivatives presenting conjugated triphenylamine/thiophene moieties. <i>Polymer</i> , 2012, 53, 4091-4103.	1.8	21
96	Enhanced shape memory performance of polyurethanes via the incorporation of organic or inorganic networks. <i>RSC Advances</i> , 2015, 5, 16897-16910.	1.7	21
97	Novel Side-Chain Dendritic Polyurethanes Based on Hydrogen Bonding Rich Polyurea/Malonamide Dendrons. <i>Macromolecular Materials and Engineering</i> , 2006, 291, 395-404.	1.7	20
98	Nanoscale organic/inorganic hybrids based on self-organized dendritic macromolecules on montmorillonites. <i>Applied Clay Science</i> , 2010, 48, 103-110.	2.6	20
99	Well-Defined Polyamide Synthesis from Diisocyanates and Diacids Involving Hindered Carbodiimide Intermediates. <i>Macromolecules</i> , 2011, 44, 46-59.	2.2	20
100	Metal-free efficient dye-sensitized solar cells based on thioalkylated bithiophenyl organic dyes. <i>Journal of Materials Chemistry C</i> , 2020, 8, 15322-15330.	2.7	20
101	Honeycomb-like polymeric films from dendritic polymers presenting reactive pendent moieties. <i>Polymer</i> , 2014, 55, 1481-1490.	1.8	19
102	Structure-Property Relationship Study of Donor and Acceptor 2,6-Disubstituted BODIPY Derivatives for High Performance Dye-Sensitized Solar Cells. <i>Chemistry - A European Journal</i> , 2017, 23, 14747-14759.	1.7	19
103	Surface properties of buffer layers affect the performance of PM6:Y6-based organic photovoltaics. <i>Organic Electronics</i> , 2020, 87, 105944.	1.4	19
104	Carbon black-containing interpenetrating polymer networks based on unsaturated polyester/epoxy. Thermal degradation behavior and kinetic analysis. <i>Polymer Degradation and Stability</i> , 2002, 77, 67-76.	2.7	18
105	Orderly Arranged NLO Materials Based on Chromophore-Containing Dendrons on Exfoliated Layered Templates. <i>ACS Applied Materials &amp; Interfaces</i> , 2009, 1, 2371-2381.	4.0	18
106	Novel Multifunctional Luminescent Electrospun Fluorescent Nanofiber Chemosensor-Filters and Their Versatile Sensing of pH, Temperature, and Metal Ions. <i>Polymers</i> , 2018, 10, 1259.	2.0	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. <i>Organic Electronics</i> , 2020, 87, 105924.	1.4	18
108	Realizing Stable High-Performance and Low-Energy-Loss Ternary Photovoltaics through Judicious Selection of the Third Component. <i>Solar Rrl</i> , 2021, 5, 2100450.	3.1	18

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109	Small Molecules with Controllable Molecular Weights Passivate Surface Defects in Air-Stable Perovskite Solar Cells. <i>Advanced Electronic Materials</i> , 2021, 7, 2000870.	2.6	18
110	Thin film processing of NLO materials. I. Studies on relaxation behaviour of corona poled aromatic dipolar molecules in a polymer matrix. <i>European Polymer Journal</i> , 1991, 27, 735-741.	2.6	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. <i>Polymer</i> , 1997, 38, 887-895.	1.8	17
112	The facile synthesis and optical nonlinearity of hyperbranched polyaspartimides with azobenzene dyes. <i>Dyes and Pigments</i> , 2009, 82, 31-39.	2.0	17
113	Nonlinear optical, poly(amide-imide)-clay nanocomposites comprising an azobenzene moiety synthesised via sequential self-repetitive reaction. <i>Dyes and Pigments</i> , 2009, 82, 76-83.	2.0	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. <i>Journal of Materials Chemistry A</i> , 2021, 9, 4907-4921.	5.2	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. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 1996, 34, 555-563.	2.4	16
116	Organic sol-gel materials for second-order nonlinear optics based on melamines. <i>Journal of Polymer Science Part A</i> , 1999, 37, 2503-2510.	2.5	16
117	Preparation and characterization of all organic NLO sol-gel materials based on amino azobenzene dyes. <i>Macromolecular Chemistry and Physics</i> , 2000, 201, 2336-2347.	1.1	16
118	Cross-linked and uncross-linked biodegradable nanocomposites. I. Nonisothermal crystallization kinetics and gas permeability. <i>Journal of Applied Polymer Science</i> , 2008, 110, 1068-1079.	1.3	16
119	Facile synthetic route toward poly(vinyl benzyl amine) and its versatile intermediates. <i>Polymer</i> , 2008, 49, 1497-1505.	1.8	15
120	Nanocomposites with enhanced electrical properties based on biodegradable poly(butylene succinate) and polyetheramine modified carbon nanotube. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2012, 43, 322-328.	2.7	15
121	A study on the co-reaction of benzoxazine and triazine through a triazine-containing benzoxazine. <i>RSC Advances</i> , 2016, 6, 17539-17545.	1.7	15
122	Embedding a Diketopyrrolopyrrole-Based Cross-linking Interfacial Layer Enhances the Performance of Organic Photovoltaics. <i>ACS Applied Materials &amp; Interfaces</i> , 2018, 10, 8885-8892.	4.0	15
123	The green poly-lysine enantiomers as electron-extraction layers for high performance organic photovoltaics. <i>Journal of Materials Chemistry C</i> , 2019, 7, 12572-12579.	2.7	15
124	Si-Bridged Ladder-Type Small-Molecule Acceptors for High-Performance Organic Photovoltaics. <i>ACS Applied Materials &amp; Interfaces</i> , 2019, 11, 1125-1134.	4.0	15
125	Iterative synthesis of monodisperse pendants for making comb-like polyurethanes. <i>Polymer</i> , 2017, 119, 1-12.	1.8	15
126	Low loss second-order non-linear optical crosslinked polymers based on a phosphorus-containing maleimide. <i>Polymers for Advanced Technologies</i> , 2004, 15, 587-592.	1.6	14



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127	Stable second-order nonlinear optical poly(amide-imide)/inorganic materials via simultaneous sequential self-repetitive reaction and sol-gel process. <i>Polymers for Advanced Technologies</i> , 2008, 19, 984-992.	1.6	14
128	Tailored thermal and mechanical properties of epoxy resins prepared using multiply hydrogen-bonding reactive modifiers. <i>Journal of Applied Polymer Science</i> , 2011, 120, 2411-2420.	1.3	14
129	Preparation of Supramolecular Extenders with Precise Chain Lengths via Iterative Synthesis and Their Applications in Polyurethane Elastomers. <i>Macromolecules</i> , 2012, 45, 5358-5370.	2.2	14
130	Enhanced photovoltaic performance of inverted polymer solar cells by incorporating graphene nanosheet/AgNPs nanohybrids. <i>RSC Advances</i> , 2015, 5, 25192-25203.	1.7	14
131	Enhanced Device Performance and Stability of Organic Photovoltaics Incorporating a Star-Shaped Multifunctional Additive. <i>ACS Applied Energy Materials</i> , 2019, 2, 833-843.	2.5	14
132	Conjugated polyelectrolytes as promising hole transport materials for inverted perovskite solar cells: effect of ionic groups. <i>Journal of Materials Chemistry A</i> , 2020, 8, 25173-25177.	5.2	14
133	Size-dependent phase separation and thermomechanical properties of thermoplastic polyurethanes. <i>Polymer</i> , 2020, 210, 123075.	1.8	14
134	Robust thermoplastic polyurethane elastomers prepared from recycling polycarbonate. <i>Polymer</i> , 2021, 212, 123296.	1.8	14
135	Semi-Interpenetrating Polymer Network Electrolytes Based on a Spiro-Twisted Benzoxazine for All-Solid-State Lithium-Ion Batteries. <i>ACS Applied Energy Materials</i> , 2021, 4, 2663-2671.	2.5	14
136	Carbon black containing interpenetrating polymer networks based on unsaturated polyester/epoxy III: thermal and pyrolysis analysis. <i>Journal of Analytical and Applied Pyrolysis</i> , 2003, 70, 129-141.	2.6	13
137	Efficient and bright non-doped blue light-emitting diodes based on glassy styrylcarbazoles. <i>Thin Solid Films</i> , 2008, 516, 4145-4152.	0.8	13
138	Synthesis and Rapid Polymerizations of Aryl- and Alkyl-bis(azetidine-2,4-dione)s to Polymalonamide Elastomers. <i>Macromolecules</i> , 2008, 41, 9637-9642.	2.2	13
139	A reactive modifier that enhances the thermal mechanical properties of epoxy resin through the formation of multiple hydrogen-bonded network. <i>Journal of Polymer Research</i> , 2011, 18, 1169-1176.	1.2	13
140	Tailored honeycomb-like polymeric films based on amphiphilic poly(urea/malonamide) dendrons. <i>RSC Advances</i> , 2016, 6, 91981-91990.	1.7	13
141	Honeycomb Surface with Shape Memory Behavior Fabricated via Breath Figure Process. <i>Macromolecular Materials and Engineering</i> , 2018, 303, 1700433.	1.7	13
142	New addition reaction of polymers carrying pendent oxetane rings: Synthesis of a nonlinear optical polymer. <i>Journal of Polymer Science Part A</i> , 1994, 32, 3201-3204.	2.5	12
143	Facile Solution Dropping Method: A Green Process for Dyeing TiO <sub>2</sub> Electrodes of Dye-Sensitized Solar Cells with Enhanced Power Conversion Efficiency. <i>ACS Sustainable Chemistry and Engineering</i> , 2015, 3, 71-81.	3.2	12
144	Reduced graphene oxide nanosheets decorated with core-shell of Fe <sub>3</sub> O <sub>4</sub> -Au nanoparticles for rapid SERS detection and hyperthermia treatment of bacteria. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2022, 281, 121578.	2.0	12

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