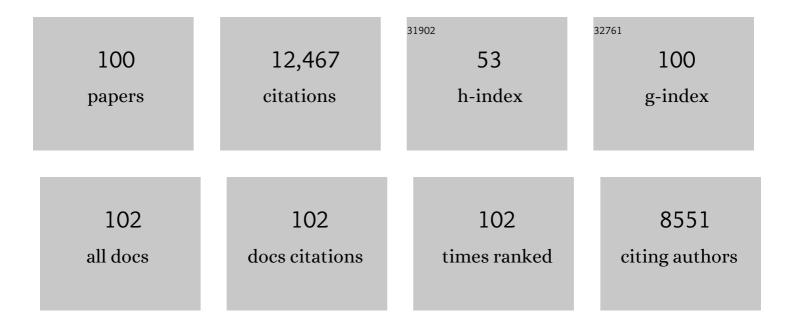
List of Publications by Year in descending order

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#	Article	IF	CITATIONS
1	Recent advances in organic thermally activated delayed fluorescence materials. Chemical Society Reviews, 2017, 46, 915-1016.	18.7	1,815
2	Recent advances in organic mechanofluorochromic materials. Chemical Society Reviews, 2012, 41, 3878.	18.7	1,575
3	Recent advances in mechanochromic luminescent metal complexes. Journal of Materials Chemistry C, 2013, 1, 3376.	2.7	570
4	Intermolecular Electronic Coupling of Organic Units for Efficient Persistent Roomâ€Temperature Phosphorescence. Angewandte Chemie - International Edition, 2016, 55, 2181-2185.	7.2	548
5	Whiteâ€Light Emission Strategy of a Single Organic Compound with Aggregationâ€Induced Emission and Delayed Fluorescence Properties. Angewandte Chemie - International Edition, 2015, 54, 7181-7184.	7.2	427
6	An Organic Molecule with Asymmetric Structure Exhibiting Aggregationâ€Induced Emission, Delayed Fluorescence, and Mechanoluminescence. Angewandte Chemie - International Edition, 2015, 54, 874-878.	7.2	378
7	Recent advances in mechano-responsive luminescence of tetraphenylethylene derivatives with aggregation-induced emission properties. Materials Chemistry Frontiers, 2018, 2, 861-890.	3.2	339
8	Linearly Tunable Emission Colors Obtained from a Fluorescent–Phosphorescent Dualâ€Emission Compound by Mechanical Stimuli. Angewandte Chemie - International Edition, 2015, 54, 6270-6273.	7.2	315
9	Piezofluorochromism of an Aggregationâ€Induced Emission Compound Derived from Tetraphenylethylene. Chemistry - an Asian Journal, 2011, 6, 808-811.	1.7	294
10	Very bright mechanoluminescence and remarkable mechanochromism using a tetraphenylethene derivative with aggregation-induced emission. Chemical Science, 2015, 6, 3236-3241.	3.7	281
11	End-group effects of piezofluorochromic aggregation-induced enhanced emission compounds containing distyrylanthracene. Journal of Materials Chemistry, 2012, 22, 18505.	6.7	273
12	Triphenylethylene carbazole derivatives as a new class of AIE materials with strong blue light emission and high glass transition temperature. Journal of Materials Chemistry, 2009, 19, 5541.	6.7	213
13	Achieving remarkable mechanochromism and white-light emission with thermally activated delayed fluorescence through the molecular heredity principle. Chemical Science, 2016, 7, 2201-2206.	3.7	210
14	Aggregation-induced emission enhancement compounds containing triphenylamine-anthrylenevinylene and tetraphenylethene moieties. Journal of Materials Chemistry, 2011, 21, 3760.	6.7	170
15	White-light emission from a single heavy atom-free molecule with room temperature phosphorescence, mechanochromism and thermochromism. Chemical Science, 2017, 8, 1909-1914.	3.7	168
16	A new ligand and its complex with multi-stimuli-responsive and aggregation-induced emission effects. Chemical Communications, 2011, 47, 11080.	2.2	166
17	An AlE-active luminophore with tunable and remarkable fluorescence switching based on the piezo and protonation–deprotonation control. Chemical Communications, 2014, 50, 7374-7377.	2.2	161
18	Synthesis and properties of novel aggregation-induced emission compounds with combined tetraphenylethylene and dicarbazolyl triphenylethylene moieties. Journal of Materials Chemistry, 2011, 21, 1788-1796.	6.7	157

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19	Intermolecular Electronic Coupling of Organic Units for Efficient Persistent Roomâ€Temperature Phosphorescence. Angewandte Chemie, 2016, 128, 2221-2225.	1.6	156
20	Piezofluorochromic and Aggregationâ€Inducedâ€Emission Compounds Containing Triphenylethylene and Tetraphenylethylene Moieties. Chemistry - an Asian Journal, 2011, 6, 1470-1478.	1.7	150
21	Metal-free organic dyes derived from triphenylethylene for dye-sensitized solar cells: tuning of the performance by phenothiazine and carbazole. Journal of Materials Chemistry, 2012, 22, 8994.	6.7	150
22	A Bulk Dielectric Polymer Film with Intrinsic Ultralow Dielectric Constant and Outstanding Comprehensive Properties. Chemistry of Materials, 2015, 27, 6543-6549.	3.2	131
23	Polyimide nanocomposites with boron nitride-coated multi-walled carbon nanotubes for enhanced thermal conductivity and electrical insulation. Journal of Materials Chemistry A, 2014, 2, 20958-20965.	5.2	130
24	An aggregation-induced emission luminophore with multi-stimuli single- and two-photon fluorescence switching and large two-photon absorption cross section. Chemical Communications, 2013, 49, 273-275.	2.2	126
25	Achieving very bright mechanoluminescence from purely organic luminophores with aggregation-induced emission by crystal design. Chemical Science, 2016, 7, 5307-5312.	3.7	125
26	Cross-linkable aggregation induced emission dye based red fluorescent organic nanoparticles and their cell imaging applications. Polymer Chemistry, 2013, 4, 5060.	1.9	124
27	High-Performance Functional Polyimides Containing Rigid Nonplanar Conjugated Triphenylethylene Moieties. Chemistry of Materials, 2012, 24, 1212-1222.	3.2	122
28	Facile preparation and cell imaging applications of fluorescent organic nanoparticles that combine AIE dye and ring-opening polymerization. Polymer Chemistry, 2014, 5, 318-322.	1.9	115
29	Intrinsic low dielectric constant polyimides: relationship between molecular structure and dielectric properties. Journal of Materials Chemistry C, 2017, 5, 12807-12815.	2.7	110
30	The HOF structures of nitrotetraphenylethene derivatives provide new insights into the nature of AIE and a way to design mechanoluminescent materials. Chemical Science, 2017, 8, 1163-1168.	3.7	110
31	A multi-sensing fluorescent compound derived from cyanoacrylic acid. Journal of Materials Chemistry, 2010, 20, 292-298.	6.7	101
32	Achieving Dualâ€Emissive and Timeâ€Dependent Evolutive Organic Afterglow by Bridging Molecules with Weak Intermolecular Hydrogen Bonding. Advanced Optical Materials, 2019, 7, 1801593.	3.6	101
33	Piezofluorochromism and morphology of a new aggregation-induced emission compound derived from tetraphenylethylene and carbazole. New Journal of Chemistry, 2012, 36, 685-693.	1.4	100
34	Mechano-induced persistent room-temperature phosphorescence from purely organic molecules. Chemical Science, 2018, 9, 3782-3787.	3.7	97
35	New aggregation-induced emission enhancement materials combined triarylamine and dicarbazolyl triphenylethylene moieties. Journal of Materials Chemistry, 2010, 20, 6103.	6.7	95
36	Combined aggregation induced emission (AIE), photochromism and photoresponsive wettability in simple dichloro-substituted triphenylethylene derivatives. Chemical Science, 2016, 7, 5302-5306.	3.7	95

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37	Facile Strategy for Intrinsic Low- <i>k</i> Dielectric Polymers: Molecular Design Based on Secondary Relaxation Behavior. Macromolecules, 2019, 52, 4601-4609.	2.2	91
38	A novel method for preparing AIE dye based cross-linked fluorescent polymeric nanoparticles for cell imaging. Polymer Chemistry, 2014, 5, 683-688.	1.9	90
39	High-Tg carbazole derivatives as a new class of aggregation-induced emission enhancement materials. Journal of Materials Chemistry, 2010, 20, 7352.	6.7	88
40	Hydrogenâ€Bondingâ€Assisted Intermolecular Charge Transfer: A New Strategy to Design Singleâ€Component White‣ightâ€Emitting Materials. Advanced Functional Materials, 2017, 27, 1703918.	7.8	84
41	A pH-responsive polymer based on dynamic imine bonds as a drug delivery material with pseudo target release behavior. Polymer Chemistry, 2018, 9, 878-884.	1.9	84
42	Whiteâ€Light Emission Strategy of a Single Organic Compound with Aggregationâ€Induced Emission and Delayed Fluorescence Properties. Angewandte Chemie, 2015, 127, 7287-7290.	1.6	83
43	Synthesis and properties of highly organosoluble and low dielectric constant polyimides containing non-polar bulky triphenyl methane moiety. Reactive and Functional Polymers, 2016, 108, 71-77.	2.0	79
44	Synthesis of novel triazine charring agent and its effect in intumescent flameâ€retardant polypropylene. Journal of Applied Polymer Science, 2012, 123, 3208-3216.	1.3	77
45	Deep-blue luminescent compound that emits efficiently both in solution and solid state with considerable blue-shift upon aggregation. Journal of Materials Chemistry C, 2014, 2, 1068-1075.	2.7	61
46	Exceptionally thermostable and soluble aromatic polyimides with special characteristics: intrinsic ultralow dielectric constant, static random access memory behaviors, transparency and fluorescence. Materials Chemistry Frontiers, 2017, 1, 326-337.	3.2	61
47	Thermally conductive, insulated polyimide nanocomposites by AlO(OH)-coated MWCNTs. Journal of Materials Chemistry, 2011, 21, 14563.	6.7	58
48	Amphiphilic Polymer-Mediated Aggregation-Induced Emission Nanoparticles for Highly Sensitive Organophosphorus Pesticide Biosensing. ACS Applied Materials & Interfaces, 2019, 11, 32689-32696.	4.0	58
49	Novel biocompatible cross-linked fluorescent polymeric nanoparticles based on an AIE monomer. Journal of Materials Chemistry C, 2014, 2, 816-820.	2.7	56
50	A new approach to switchable photochromic materials by combining photochromism and piezochromism together in an AIE-active molecule. Materials Chemistry Frontiers, 2017, 1, 1900-1904.	3.2	56
51	Synthesis and properties of highâ€performance functional polyimides containing rigid nonplanar conjugated tetraphenylethylene moieties. Journal of Polymer Science Part A, 2013, 51, 1302-1314.	2.5	54
52	Flexible and highly fluorescent aromatic polyimide: design, synthesis, properties, and mechanism. Journal of Materials Chemistry C, 2016, 4, 10509-10517.	2.7	51
53	Simple fluorescent probe derived from tetraphenylethylene and benzoquinone for instantaneous biothiol detection. Analytical Methods, 2012, 4, 3338.	1.3	49
54	Fluorescence-enhanced organogelators with mesomorphic andÂpiezofluorochromic properties based on tetraphenylethylene andÂgallic acid derivatives. Dyes and Pigments, 2014, 101, 74-84.	2.0	47

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55	Instrument-free and visual detection of organophosphorus pesticide using a smartphone by coupling aggregation-induced emission nanoparticle and two-dimension MnO2 nanoflake. Biosensors and Bioelectronics, 2020, 170, 112668.	5.3	46
56	Modified halloysite nanotube filled polyimide composites for film capacitors: high dielectric constant, low dielectric loss and excellent heat resistance. RSC Advances, 2018, 8, 10522-10531.	1.7	43
57	Effect of polyphenyl-substituted ethylene end-capped groups in metal-free organic dyes on performance of dye-sensitized solar cells. RSC Advances, 2012, 2, 7788.	1.7	40
58	Intrinsic high- <i>k</i> –low-loss dielectric polyimides containing <i>ortho</i> -position aromatic nitrile moieties: reconsideration on Clausius–Mossotti equation. Polymer Chemistry, 2021, 12, 2481-2489.	1.9	40
59	Synergistic effects of 4A zeolite on the flame retardant properties and thermal stability of a novel halogenâ€free PP/IFR composite. Polymers for Advanced Technologies, 2013, 24, 478-486.	1.6	39
60	The Preparations and Water Vapor Barrier Properties of Polyimide Films Containing Amide Moieties. Polymers, 2017, 9, 677.	2.0	38
61	Achieving tunable dual-emissive and high-contrast mechanochromic materials by manipulating steric hindrance effects. Journal of Materials Chemistry C, 2019, 7, 3300-3305.	2.7	38
62	Aggregation-induced emission luminogen@manganese dioxide core-shell nanomaterial-based paper analytical device for equipment-free and visual detection of organophosphorus pesticide. Journal of Hazardous Materials, 2021, 413, 125306.	6.5	36
63	A novel ultrasound-sensitive mechanofluorochromic AIE-compound with remarkable blue-shifting and enhanced emission. Journal of Materials Chemistry C, 2014, 2, 5812-5817.	2.7	35
64	Rigid Polyimides with Thermally Activated Delayed Fluorescence for Polymer Lightâ€Emitting Diodes with High External Quantum Efficiency up to 21 %. Angewandte Chemie - International Edition, 2021, 60, 7220-7226.	7.2	34
65	Flexible Multifunctional Aromatic Polyimide Film: Highly Efficient Photoluminescence, Resistive Switching Characteristic, and Electroluminescence. ACS Applied Materials & Interfaces, 2018, 10, 11430-11435.	4.0	33
66	Achieving Bright Mechanoluminescence in a Hydrogen-Bonded Organic Framework by Polar Molecular Rotor Incorporation. CCS Chemistry, 2022, 4, 1643-1653.	4.6	32
67	Multi-functional polyimides containing tetraphenyl fluorene moieties: fluorescence and resistive switching behaviors. Journal of Materials Chemistry C, 2017, 5, 6457-6466.	2.7	27
68	Phase stability and melting behavior of the ${\rm \hat{l}}\pm$ and ${\rm \hat{l}}^3$ phases of nylon 6. Journal of Applied Polymer Science, 2011, 120, 1885-1891.	1.3	26
69	New Strategy for Controlled Release of Drugs. Potential Pinpoint Targeting with Multiresponsive Tetraaniline Diblock Polymer Vesicles: Site-Directed Burst Release with Voltage. ACS Applied Materials & Interfaces, 2014, 6, 1470-1480.	4.0	25
70	Hydrogen bonding-assisted loosely packed crystals of a diaminomaleonitrile-modified tetraphenylethene compound and their photo- and mechano-responsive properties. Journal of Materials Chemistry C, 2017, 5, 11867-11872.	2.7	25
71	Fabricating high thermal conductivity rGO/polyimide nanocomposite films via a freeze-drying approach. RSC Advances, 2018, 8, 22169-22176.	1.7	24
72	Ultrahigh thermal and electric conductive graphite films prepared by g-C3N4 catalyzed graphitization of polyimide films. Chemical Engineering Journal, 2022, 430, 132530.	6.6	24

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73	A facile approach to surface modification on versatile substrates for biological applications. Journal of Materials Chemistry, 2012, 22, 17159.	6.7	23
74	Achievement of persistent and efficient organic room-temperature phosphorescence with temperature-response by adjusting the proportion of excited-state configurations in coupled molecules. Journal of Materials Chemistry C, 2019, 7, 8250-8254.	2.7	20
75	Preserving High-Efficiency Luminescence Characteristics of an Aggregation-Induced Emission-Active Fluorophore in Thermostable Amorphous Polymers. ACS Applied Materials & Interfaces, 2020, 12, 34198-34207.	4.0	20
76	Underwater bonding strength of marine mussel-inspired polymers containing DOPA-like units with amino groups. RSC Advances, 2012, 2, 8919.	1.7	19
77	An oxidation-induced fluorescence turn-on approach for non-luminescent flexible polyimide films. Journal of Materials Chemistry C, 2017, 5, 8545-8552.	2.7	19
78	Improving Dielectric Properties and Thermostability of CaCu <sub>3</sub> Ti <sub>4</sub> O <sub>12</sub> /Polyimide Composites by Employing Surface Hydroxylated CaCu <sub>3</sub> Ti <sub>4</sub> O <sub>12</sub> Particles. ACS Applied Polymer Materials, 2019, 1, 1263-1271.	2.0	19
79	Metal Oxide CrO <sub>x</sub> as a Promising Bilayer Electron Transport Material for Enhancing the Performance Stability of Planar Perovskite Solar Cells. Solar Rrl, 2018, 2, 1700245.	3.1	16
80	A simplified approach to achieve gecko-mimic nano-structural adhesives by a simple polymer. International Journal of Adhesion and Adhesives, 2011, 31, 583-586.	1.4	12
81	Synthesis and Characterization of Functional ABA Block Polymer Containing Aniline Trimer. Chemistry Letters, 2009, 38, 840-841.	0.7	10
82	Transparent Flexible Ultra‣ow Permeability Encapsulation Film: Fusible Glass Fired on Heatâ€Resistant Polyimide Membrane. Advanced Materials Interfaces, 2020, 7, 2001170.	1.9	10
83	Pseudo target release behavior of simvastatin through pH-responsive polymer based on dynamic imine bonds: Promotes rapid proliferation of osteoblasts. Materials Science and Engineering C, 2020, 113, 110979.	3.8	10
84	Achieving white-light emission in a single-component polymer with halogen-assisted interaction. Science China Chemistry, 2021, 64, 467-477.	4.2	10
85	Nonvolatile electrical switching behavior and mechanism of functional polyimides bearing a pyrrole unit: influence of different side groups. RSC Advances, 2016, 6, 52798-52809.	1.7	9
86	New Dopaâ€ <scp>AlE</scp> Compound Used as Fluorescence Sensor Material: Specificity and Quantification for Cu( <scp>II</scp> ). Chinese Journal of Chemistry, 2017, 35, 335-340.	2.6	9
87	Synthesis and Characterization of Polyureas from Aniline Trimer with TDI, MDI and HDI as pH Sensitive Materials. Chinese Journal of Chemistry, 2011, 29, 1036-1040.	2.6	8
88	Environmentâ€friendly silicone sealants by self atalytic crossâ€linking reaction of αâ€aminomethyl triethoxysilanes. Polymer Engineering and Science, 2011, 51, 1033-1040.	1.5	7
89	Rigid Polyimides with Thermally Activated Delayed Fluorescence for Polymer Lightâ€Emitting Diodes with High External Quantum Efficiency up to 21 %. Angewandte Chemie, 2021, 133, 7296-7302.	1.6	6
90	Synthesis and characterization of novel optically active poly(esterâ€imide)s with high <i>T</i> <sub>g</sub> and good thermal stability. Polymers for Advanced Technologies, 2013, 24, 807-813.	1.6	5

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91	Temperatureâ€Induced Transformation from Large Compound Vesicles to Wormâ€like Aggregates by ABC Triblock Copolymer. Chinese Journal of Chemistry, 2015, 33, 1338-1346.	2.6	5
92	Preparation of Nacreâ€Like Polyimide/Montmorillonite Composite Films with Excellent Water Vapor Barrier Properties by Gravityâ€Induced Deposition. Advanced Materials Interfaces, 2021, 8, 2001786.	1.9	5
93	Reinforcing and toughening on poly(ether imide) by a novel thermo tropic liquid crystalline poly(esterâ€imideâ€ketone) with low content. Polymer Engineering and Science, 2009, 49, 2046-2053.	1.5	3
94	Simple Method to Fabricate an Biocompatible Antibacterial Surface on a Versatile Substrate through an Antiadhesion Approach. Chemistry Letters, 2012, 41, 1655-1657.	0.7	3
95	Functional polyimides based on diamine containing diarylethylene moieties and their photochromic mechanism studies. Polymer Chemistry, 2020, 11, 6701-6707.	1.9	3
96	Accelerated Curing Speed of Ethyl <i>α</i> â€Cyanoacrylate by Polymer with Catecholamine Groups. Chinese Journal of Chemistry, 2012, 30, 2275-2280.	2.6	2
97	Synthesis of Novel Glycidol Copolymers with Pendant Alkene and Hydroxyl Groups. Chinese Journal of Chemistry, 2013, 31, 1315-1320.	2.6	2
98	"All Polyimide―Mixed Matrix Membranes for High Performance Gas Separation. Polymers, 2021, 13, 1329.	2.0	2
99	Metal Oxide CrOx as a Promising Bilayer Electron Transport Material for Enhancing the Performance Stability of Planar Perovskite Solar Cells (Solar RRL 6â^•2018). Solar Rrl, 2018, 2, 17700176.	3.1	0
100	Background noise analysis and improvement for the water vapor and oxygen transmission rate test of free-standing films. Review of Scientific Instruments, 2021, 92, 025124.	0.6	0