

Takuma Yasuda

List of Publications by Year in descending order

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papers

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143
all docs

143
docs citations

143
times ranked

7654
citing authors

#	ARTICLE	IF	CITATIONS
1	High-efficiency organic light-emitting diodes with fluorescent emitters. Nature Communications, 2014, 5, 4016.	12.8	869
2	Nearly 100% Internal Quantum Efficiency in Undoped Electroluminescent Devices Employing Pure Organic Emitters. Advanced Materials, 2015, 27, 2096-2100.	21.0	495
3	Luminous Butterflies: Efficient Exciton Harvesting by Benzophenone Derivatives for Full-Color Delayed Fluorescence OLEDs. Angewandte Chemie - International Edition, 2014, 53, 6402-6406.	13.8	473
4	Full-Color, Narrowband, and High-Efficiency Electroluminescence from Boron and Carbazole Embedded Polycyclic Heteroaromatics. Journal of the American Chemical Society, 2020, 142, 19468-19472.	13.7	449
5	Aggregation-Induced Delayed Fluorescence Based on Donor/Acceptor-Tethered Janus Carborane Triads: Unique Photophysical Properties of Nondoped OLEDs. Angewandte Chemie - International Edition, 2016, 55, 7171-7175.	13.8	381
6	High-efficiency organic light-emitting diodes utilizing thermally activated delayed fluorescence from triazine-based donor-acceptor hybrid molecules. Applied Physics Letters, 2012, 101, 093306.	3.3	311
7	Oxadiazole- and triazole-based highly-efficient thermally activated delayed fluorescence emitters for organic light-emitting diodes. Journal of Materials Chemistry C, 2013, 1, 4599.	5.5	304
8	Self-assembly of functional columnar liquid crystals. Chemical Communications, 2009, , 729.	4.1	299
9	High efficiency pure blue thermally activated delayed fluorescence molecules having 10H-phenoxaborin and acridan units. Chemical Communications, 2015, 51, 9443-9446.	4.1	299
10	High-Performance Dibenzoheteraborin-Based Thermally Activated Delayed Fluorescence Emitters: Molecular Architectonics for Concurrently Achieving Narrowband Emission and Efficient Triplet-Singlet Spin Conversion. Advanced Functional Materials, 2018, 28, 1802031.	14.9	264
11	Thermally Activated Delayed Fluorescence Polymers for Efficient Solution-Processed Organic Light-Emitting Diodes. Advanced Materials, 2016, 28, 4019-4024.	21.0	251
12	Versatile Molecular Functionalization for Inhibiting Concentration Quenching of Thermally Activated Delayed Fluorescence. Advanced Materials, 2017, 29, 1604856.	21.0	251
13	Full-Color Delayed Fluorescence Materials Based on Wedge-Shaped Phthalonitriles and Dicyanopyrazines: Systematic Design, Tunable Photophysical Properties, and OLED Performance. Advanced Functional Materials, 2016, 26, 1813-1821.	14.9	236
14	π -Conjugated Oligothiophene-Based Polycatenar Liquid Crystals: Self-Organization and Photoconductive, Luminescent, and Redox Properties. Advanced Functional Materials, 2009, 19, 411-419.	14.9	212
15	A highly luminescent spiro-anthracenone-based organic light-emitting diode exhibiting thermally activated delayed fluorescence. Chemical Communications, 2013, 49, 10385-10387.	4.1	198
16	Electro-Functional Octupolar π -Conjugated Columnar Liquid Crystals. Journal of the American Chemical Society, 2011, 133, 13437-13444.	13.7	180
17	High-Efficiency Blue Organic Light-Emitting Diodes Based on Thermally Activated Delayed Fluorescence from Phenoxaphosphine and Phenoxathiin Derivatives. Advanced Materials, 2016, 28, 4626-4631.	21.0	179
18	A Liquid-Crystalline Bistable [2]Rotaxane. Angewandte Chemie - International Edition, 2007, 46, 4675-4679.	13.8	172

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19	Highly Efficient Red-Orange Delayed Fluorescence Emitters Based on Strong π -Accepting Dibenzophenazine and Dibenzoquinoxaline Cores: toward a Rational Pure-Red OLED Design. <i>Advanced Optical Materials</i> , 2018, 6, 1701147.	7.3	169
20	Efficiency Enhancement of Organic Light-Emitting Diodes Incorporating a Highly Oriented Thermally Activated Delayed Fluorescence Emitter. <i>Advanced Functional Materials</i> , 2014, 24, 5232-5239.	14.9	159
21	Wide-Range Color Tuning of Narrowband Emission in Multi-Resonance Organoboron Delayed Fluorescence Materials through Rational Imine/Amine Functionalization. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 23142-23147.	13.8	156
22	A six-carbazole-decorated cyclophosphazene as a host with high triplet energy to realize efficient delayed-fluorescence OLEDs. <i>Materials Horizons</i> , 2014, 1, 264-269.	12.2	150
23	Controlled emission colors and singlet-triplet energy gaps of dihydrophenazine-based thermally activated delayed fluorescence emitters. <i>Journal of Materials Chemistry C</i> , 2015, 3, 2175-2181.	5.5	147
24	Fused-Nonacyclic Multi-Resonance Delayed Fluorescence Emitter Based on Ladder-Thiaborin Exhibiting Narrowband Sky-Blue Emission with Accelerated Reverse Intersystem Crossing. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 20280-20285.	13.8	144
25	Pyrimidine-based twisted donor-acceptor delayed fluorescence molecules: a new universal platform for highly efficient blue electroluminescence. <i>Chemical Science</i> , 2017, 8, 953-960.	7.4	140
26	Achieving Ultimate Narrowband and Ultrapure Blue Organic Light-Emitting Diodes Based on Polycyclic-Heteraborin Multi-Resonance Delayed-Fluorescence Emitters. <i>Advanced Materials</i> , 2022, 34, e2107951.	21.0	133
27	Self-Organizing Mesomorphic Diketopyrrolopyrrole Derivatives for Efficient Solution-Processed Organic Solar Cells. <i>Chemistry of Materials</i> , 2013, 25, 2549-2556.	6.7	126
28	New Coplanar (ABA) _n -Type Donor-Acceptor π -Conjugated Copolymers Constituted of Alkylthiophene (Unit A) and Pyridazine (Unit B): π Synthesis Using Hexamethylditin, Self-Organized Solid Structure, and Optical and Electrochemical Properties of the Copolymers. <i>Chemistry of Materials</i> , 2005, 17, 6060-6068.	6.7	122
29	Clicked Interlocked Molecules. <i>Bulletin of the Chemical Society of Japan</i> , 2007, 80, 1856-1869.	3.2	119
30	A New Soluble 1,10-Phenanthroline-Containing π -Conjugated Polymer: Synthesis and Effect of Metal Complexation on Optical Properties. <i>Advanced Materials</i> , 2003, 15, 293-296.	21.0	102
31	Blue thermally activated delayed fluorescence emitters incorporating acridan analogues with heavy group 14 elements for high-efficiency doped and non-doped OLEDs. <i>Chemical Science</i> , 2019, 10, 10687-10697.	7.4	99
32	Low driving voltage characteristics of triphenylene derivatives as electron transport materials in organic light-emitting diodes. <i>Journal of Materials Chemistry</i> , 2012, 22, 20689.	6.7	97
33	Synthesis and Characterization of New Luminescent 1,10-Phenanthroline- and Pyridine-Containing π -Conjugated Polymers. Their Optical Response to Protic Acid, Mn ⁺ , and Solvents. <i>Macromolecules</i> , 2003, 36, 7513-7519.	4.8	95
34	A Liquid-Crystalline [2]Catenane and Its Copper(I) Complex. <i>Angewandte Chemie - International Edition</i> , 2007, 46, 4680-4683.	13.8	93
35	Efficient luminescence from a copper(i) complex doped in organic light-emitting diodes by suppressing C-H vibrational quenching. <i>Chemical Communications</i> , 2012, 48, 5340.	4.1	92
36	Bifunctional Star-Burst Amorphous Molecular Materials for OLEDs: Achieving Highly Efficient Solid-State Luminescence and Carrier Transport Induced by Spontaneous Molecular Orientation. <i>Advanced Materials</i> , 2013, 25, 2666-2671.	21.0	92

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37	New Alternative Donor–Acceptor Arranged Poly(Aryleneethynylene)s and Their Related Compounds Composed of Five-Membered Electron-Accepting 1,3,4-Thiadiazole, 1,2,4-Triazole, or 3,4-Dinitrothiophene Units: A Synthesis, Packing Structure, and Optical Properties. <i>Macromolecules</i> , 2005, 38, 4687-4697.	4.8	85
38	A redox-switchable [2]rotaxane in a liquid-crystalline state. <i>Chemical Communications</i> , 2010, 46, 1224.	4.1	84
39	Viologen-Based Redox-Active Ionic Liquid Crystals Forming Columnar Phases. <i>Organic Letters</i> , 2007, 9, 4271-4274.	4.6	83
40	Ultrafast Triplet–Singlet Exciton Interconversion in Narrowband Blue Organoboron Emitters Doped with Heavy Chalcogens. <i>Angewandte Chemie - International Edition</i> , 2022, 61, .	13.8	80
41	Thermal equilibration between singlet and triplet excited states in organic fluorophore for submicrosecond delayed fluorescence. <i>Science Advances</i> , 2021, 7, .	10.3	79
42	Columnar liquid crystalline π -conjugated oligothiophenes. <i>Chemical Communications</i> , 2006, , 3399-3401.	4.1	76
43	<i>cis</i> -Quinacridone-Based Delayed Fluorescence Emitters: Seemingly Old but Renewed Functional Luminogens. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 7643-7648.	13.8	74
44	High-performance blue organic light-emitting diodes with 20% external electroluminescence quantum efficiency based on pyrimidine-containing thermally activated delayed fluorescence emitters. <i>Journal of Materials Chemistry C</i> , 2016, 4, 7911-7916.	5.5	71
45	High-Performance Organic Energy-Harvesting Devices and Modules for Self-Sustainable Power Generation under Ambient Indoor Lighting Environments. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 9259-9264.	8.0	71
46	Ambipolar Field-Effect Transistor (FET) and Redox Characteristics of α -Conjugated Thiophene/1,3,4-Thiadiazole CT-Type Copolymer. <i>Macromolecular Rapid Communications</i> , 2005, 26, 1214-1217.	3.9	69
47	Isobenzofuranone- and Chromone-Based Blue Delayed Fluorescence Emitters with Low Efficiency Roll-Off in Organic Light-Emitting Diodes. <i>Chemistry of Materials</i> , 2017, 29, 8012-8020.	6.7	68
48	Donor–acceptor-structured 1,4-diazatriphenylene derivatives exhibiting thermally activated delayed fluorescence: design and synthesis, photophysical properties and OLED characteristics. <i>Science and Technology of Advanced Materials</i> , 2014, 15, 034202.	6.1	67
49	Synthesis, Characterization, and Optical and Electrochemical Properties of New 2,1,3-Benzoselenadiazole-Based CT-Type Copolymers. <i>Macromolecules</i> , 2005, 38, 7378-7385.	4.8	66
50	Light-emitting organic field-effect transistors based on highly luminescent single crystals of thiophene/phenylene co-oligomers. <i>Journal of Materials Chemistry C</i> , 2014, 2, 4918.	5.5	65
51	X-shaped benzoylbenzophenone derivatives with crossed donors and acceptors for highly efficient thermally activated delayed fluorescence. <i>Dalton Transactions</i> , 2015, 44, 8356-8359.	3.3	64
52	Mechanochromic Delayed Fluorescence Switching in Propeller-Shaped Carbazole–Isophthalonitrile Luminogens with Stimuli-Responsive Intramolecular Charge-Transfer Excited States. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 13955-13961.	13.8	64
53	Thermally Activated Delayed Fluorescence from a Spiro-diazafluorene Derivative. <i>Chemistry Letters</i> , 2014, 43, 1017-1019.	1.3	62
54	Tunable Full-Color Electroluminescence from All-Organic Optical Upconversion Devices by Near-Infrared Sensing. <i>ACS Photonics</i> , 2017, 4, 223-227.	6.6	61

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55	Aggregation-induced delayed fluorescence from phenothiazine-containing donor-acceptor molecules for high-efficiency non-doped organic light-emitting diodes. <i>Polymer Journal</i> , 2017, 49, 197-202.	2.7	61
56	Pentacyclic Ladder-Heteroborin Emitters Exhibiting High-Efficiency Blue Thermally Activated Delayed Fluorescence with an Ultrashort Emission Lifetime. , 2020, 2, 28-34.		61
57	High performance organic field-effect transistors based on single-crystal microribbons and microsheets of solution-processed dithieno[3,2-b:2'-b',3'-d']thiophene derivatives. <i>Chemical Communications</i> , 2013, 49, 6483.	4.1	60
58	A Phenazaborin-Based High-Efficiency Blue Delayed Fluorescence Material. <i>Bulletin of the Chemical Society of Japan</i> , 2016, 89, 375-377.	3.2	60
59	Modulating Photo- and Electroluminescence in a Stimuli-Responsive π -Conjugated Donor-Acceptor Molecular System. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 11982-11986.	13.8	60
60	Anisotropic Self-Assembly of Photoluminescent Oligo(<i>p</i> -Phenylenevinylene) Derivatives in Liquid Crystals: An Effective Strategy for the Macroscopic Alignment of π -Gels. <i>Advanced Materials</i> , 2009, 21, 4029-4033.	21.0	56
61	A host material consisting of a phosphinic amide directly linked donor-acceptor structure for efficient blue phosphorescent organic light-emitting diodes. <i>Journal of Materials Chemistry C</i> , 2013, 1, 2404.	5.5	56
62	Enhancing thermally activated delayed fluorescence characteristics by intramolecular B-N coordination in a phenylpyridine-containing donor-acceptor π -system. <i>Chemical Communications</i> , 2017, 53, 8723-8726.	4.1	56
63	Poly(1,10-phenanthroline-3,8-diyl) and Its Derivatives. Preparation, Optical and Electrochemical Properties, Solid Structure, and Their Metal Complexes. <i>Macromolecules</i> , 2003, 36, 6722-6729.	4.8	55
64	Thermotropic liquid-crystalline folic acid derivatives: supramolecular discotic and smectic aggregation. <i>Chemical Communications</i> , 2000, , 1899-1900.	4.1	54
65	Spin-Dependent Exciton Funneling to a Dendritic Fluorophore Mediated by a Thermally Activated Delayed Fluorescence Material as an Exciton-Harvesting Host. <i>Chemistry of Materials</i> , 2017, 29, 7014-7022.	6.7	53
66	Synthesis, Solid Structure, and Optical Properties of New Thiophene-Based Alternating π -Conjugated Copolymers Containing 4-Alkyl-1,2,4-triazole or 1,3,4-Thiadiazole Unit as the Partner Unit. <i>Macromolecules</i> , 2005, 38, 1500-1503.	4.8	51
67	Organic energy-harvesting devices achieving power conversion efficiencies over 20% under ambient indoor lighting. <i>Journal of Materials Chemistry A</i> , 2019, 7, 20187-20192.	10.3	49
68	Extended Narrow-Bandgap Diketopyrrolopyrrole-Based Oligomers for Solution-Processed Inverted Organic Solar Cells. <i>Advanced Energy Materials</i> , 2014, 4, 1400879.	19.5	47
69	Highly efficient electroluminescence from purely organic donor-acceptor systems. <i>Pure and Applied Chemistry</i> , 2015, 87, 627-638.	1.9	45
70	Truxene-Based Columnar Liquid Crystals: Self-Assembled Structures and Electro-Active Properties. <i>Chemistry - an Asian Journal</i> , 2009, 4, 1619-1625.	3.3	43
71	Fused-Nonacyclic Multi-Resonance Delayed Fluorescence Emitter Based on Ladder-Thiaborin Exhibiting Narrowband Sky-Blue Emission with Accelerated Reverse Intersystem Crossing. <i>Angewandte Chemie</i> , 2021, 133, 20442-20447.	2.0	41
72	Highly luminescent π -conjugated dithienometalloles: photophysical properties and their application in organic light-emitting diodes. <i>Journal of Materials Chemistry</i> , 2012, 22, 16810.	6.7	40

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73	Boronate- and borinate-based π -systems for blue thermally activated delayed fluorescence materials. <i>Chemical Communications</i> , 2019, 55, 2501-2504.	4.1	38
74	Rational design of pyrrolopyrrole-aza-BODIPY-based acceptor–donor–acceptor triads for organic photovoltaics application. <i>Chemical Communications</i> , 2020, 56, 2975-2978.	4.1	35
75	Wide-Range Color Tuning of Narrowband Emission in Multi-resonance Organoboron Delayed Fluorescence Materials through Rational Imine/Amine Functionalization. <i>Angewandte Chemie</i> , 2021, 133, 23326-23331.	2.0	35
76	Alignment of photoconductive self-assembled fibers composed of π -conjugated molecules under electric fields. <i>Journal of Materials Chemistry</i> , 2010, 20, 173-179.	6.7	34
77	Effects of chalcogen atom substitution on the optoelectronic and charge-transport properties in picene-type π -systems. <i>Chemical Communications</i> , 2017, 53, 3814-3817.	4.1	34
78	Dipole-driven self-assembly of redox-active mesogenic tetracyanoanthraquinodimethanes. <i>Journal of Materials Chemistry</i> , 2008, 18, 4522.	6.7	33
79	Solution-Processable Organic Semiconductors Featuring S-Shaped Dinaphthothienothiophene (S-DNTT): Effects of Alkyl Chain Length on Self-Organization and Carrier Transport Properties. <i>Chemistry of Materials</i> , 2020, 32, 5350-5360.	6.7	33
80	Luminescent Ionic Liquid Crystals Based on Tripodal Pyridinium Salts. <i>Chemistry Letters</i> , 2008, 37, 1208-1209.	1.3	32
81	Molecular engineering of phosphacycle-based thermally activated delayed fluorescence materials for deep-blue OLEDs. <i>Journal of Materials Chemistry C</i> , 2018, 6, 3578-3583.	5.5	32
82	Deep-Blue OLEDs Based on Organoboron–Phenazasilene–Hybrid Delayed Fluorescence Emitters Concurrently Achieving 30% External Quantum Efficiency and Small Efficiency Roll-Off. <i>Advanced Optical Materials</i> , 2021, 9, 2101282.	7.3	32
83	Oligothiophene-based Liquid Crystals Exhibiting Smectic A Phases in Wider Temperature Ranges. <i>Chemistry Letters</i> , 2006, 35, 1150-1151.	1.3	30
84	Organic Light-emitting Diodes Based on Donor-substituted Phthalimide and Maleimide Fluorophores. <i>Chemistry Letters</i> , 2015, 44, 1248-1250.	1.3	29
85	Cyclohexane-Coupled Bipolar Host Materials with High Triplet Energies for Organic Light-Emitting Diodes Based on Thermally Activated Delayed Fluorescence. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 2693-2700.	8.0	29
86	Mechanochromic fluorescence based on a combination of acceptor and bulky donor moieties: tuning emission color and regulating emission change direction. <i>New Journal of Chemistry</i> , 2019, 43, 4998-5010.	2.8	28
87	Polymorphism in 9,9-diarylfuorene-based organic semiconductors: influence on optoelectronic functions. <i>Chemical Communications</i> , 2014, 50, 1523-1526.	4.1	26
88	Horizontal Orientation of a Linear-Shaped Platinum(II) Complex in Organic Light-Emitting Diodes with a High Light Out-Coupling Efficiency. <i>Applied Physics Express</i> , 2011, 4, 071602.	2.4	25
89	New luminescent 1,2,4-triazole/thiophene alternating copolymers: Synthesis, characterization, and optical properties. <i>Polymer</i> , 2007, 48, 4375-4384.	3.8	23
90	Modulating Photo- and Electroluminescence in a Stimuli-Responsive π -Conjugated Donor–Acceptor Molecular System. <i>Angewandte Chemie</i> , 2018, 130, 12158-12162.	2.0	22

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91	White-light emission from a pyrimidine-carbazole conjugate with tunable phosphorescence-fluorescence dual emission and multicolor emission switching. Chemical Communications, 2020, 56, 4051-4054.	4.1	22
92	Oligothiophene-Indandione-Linked Narrow-Band Gap Molecules: Impact of π -Conjugated Chain Length on Photovoltaic Performance. ACS Applied Materials & Interfaces, 2018, 10, 11083-11093.	8.0	21
93	Strategic end-halogenation of π -conjugated small molecules enabling fine morphological control and enhanced performance of organic solar cells. Journal of Materials Chemistry A, 2019, 7, 14806-14815.	10.3	21
94	Preparation of Polyacetylenes via Organometallic C-C Coupling Reactions. Polymer Bulletin, 2004, 52, 315-319.	3.3	20
95	PAEs with Heteroaromatic Rings. Advances in Polymer Science, 0, , 181-208.	0.8	19
96	Liquid-Crystalline Catenanes and Rotaxanes. Israel Journal of Chemistry, 2012, 52, 854-862.	2.3	19
97	Near-infrared absorbing pyrrolopyrrole aza-BODIPY-based donor-acceptor polymers with reasonable photoresponse. Journal of Materials Chemistry C, 2020, 8, 8770-8776.	5.5	19
98	High-Mobility Regioisomeric Thieno[2,2'-bis[1]benzothiophenes: Remarkable Effect of <i>Syn</i> / <i>Anti</i> Thiophene Configuration on Optoelectronic Properties, Self-Organization, and Charge-Transport Functions in Organic Transistors. Advanced Electronic Materials, 2018, 4, 1700390.	5.1	18
99	Organic Single-Crystal Transistors Based on π -Extended Heteroheptacene Microribbons. Bulletin of the Chemical Society of Japan, 2012, 85, 1186-1191.	3.2	17
100	Effects of Intramolecular Donor-Acceptor Interactions on Bimolecular Recombination in Small-Molecule Organic Photovoltaic Cells. Journal of Physical Chemistry C, 2013, 117, 4986-4991.	3.1	17
101	Solution-grown unidirectionally oriented crystalline thin films of a U-shaped thienoacene-based semiconductor for high-performance organic field-effect transistors. Journal of Materials Chemistry C, 2017, 5, 5872-5876.	5.5	17
102	Preparation of N-grafted polyanilines with oligoether side chains by using ring-opening graft copolymerization of epoxide, and their optical, electrochemical and thermal properties and ionic conductivity. Journal of Materials Chemistry, 2003, 13, 2138.	6.7	16
103	Controlling Open-Circuit Voltage in Organic Solar Cells by Terminal Fluoro-Functionalization of Narrow-Bandgap π -Conjugated Molecules. Journal of Physical Chemistry C, 2016, 120, 21235-21241.	3.1	16
104	Phenyl-triggered photophysical switching between normal fluorescence and delayed fluorescence in phthalonitrile-based luminophores. Aggregate, 2021, 2, 145-150.	9.9	16
105	<i>cis</i> -Quinacridone-Based Delayed Fluorescence Emitters: Seemingly Old but Renewed Functional Luminogens. Angewandte Chemie, 2021, 133, 7721-7726.	2.0	16
106	Ultrafast Triplet-Singlet Exciton Interconversion in Narrowband Blue Organoboron Emitters Doped with Heavy Chalcogens. Angewandte Chemie, 2022, 134, .	2.0	16
107	Mechanochromic Delayed Fluorescence Switching in Propeller-Shaped Carbazole-Isophthalonitrile Luminogens with Stimuli-Responsive Intramolecular Charge-Transfer Excited States. Angewandte Chemie, 2020, 132, 14059-14065.	2.0	15
108	Photoluminescent Liquid Crystals Based on Trithienylphosphine Oxides. Chemistry Letters, 2009, 38, 800-801.	1.3	14

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109	Thermally Activated Delayed Fluorescence Properties of Regioisomeric Xanthone-Based Twisted Intramolecular Charge-Transfer Luminophores. <i>Bulletin of the Chemical Society of Japan</i> , 2017, 90, 231-236.	3.2	14
110	Alternating Donor–Acceptor π -Conjugated Macrocyclic Exhibiting Efficient Thermally Activated Delayed Fluorescence and Spontaneous Horizontal Molecular Orientation. <i>Advanced Photonics Research</i> , 2021, 2, 2100021.	3.6	14
111	Ring-opening graft copolymerization of epoxide with polyaniline: Chemical properties and lithium ionic conductivity of the copolymer. <i>Journal of Polymer Science Part A</i> , 2001, 39, 3137-3142.	2.3	13
112	Luminescent π -conjugated poly(aryleneethynylene)s consisting of plural aromatic units: Preparation and systematic studies on their optical properties. <i>Reactive and Functional Polymers</i> , 2008, 68, 1483-1491.	4.1	13
113	Transfer of Photoenergy in π -Conjugated Polymers. Two Types of Photoluminescence that Involve Energy Transfer along a Polymer Chain. <i>Journal of Physical Chemistry B</i> , 2005, 109, 10605-10610.	2.6	12
114	Utilization of Industrially Available 2,3-Dichloro-1,3-butadiene for Direct Synthesis of 2,3-Diaryl-1,3-butadienes. <i>Bulletin of the Chemical Society of Japan</i> , 2006, 79, 498-500.	3.2	12
115	Tetraphenyldibenzoperiflanthene as sensitizer for enhancing the performance in dinaphthothienothiophene-based photovoltaics with and without fullerene. <i>Synthetic Metals</i> , 2015, 205, 121-126.	3.9	12
116	Regulation of Multicolor Fluorescence Changes Found in Donor–Acceptor–Type Mechanochromic Fluorescent Dyes. <i>Chemistry - an Asian Journal</i> , 2021, 16, 2136-2145.	3.3	12
117	Macrocyclic-Based Liquid Crystals: A Study of Topological Effects on Mesomorphism. <i>Molecular Crystals and Liquid Crystals</i> , 2009, 509, 165/[907]-172/[914].	0.9	11
118	Blue Thermally Activated Delayed Fluorescence with Sub-Microsecond Short Exciton Lifetimes: Acceleration of Triplet–Singlet Spin Interconversion via Quadrupolar Charge-Transfer States. <i>Advanced Optical Materials</i> , 2022, 10, .	7.3	11
119	Self-assembly, Physicochemical, and Field-effect Transistor Properties of Solution-crystallized Organic Semiconductors Based on π -Extended Dithieno[3,2- <i>b</i> :2',3'- <i>d'</i>]thiophenes. <i>Chemistry Letters</i> , 2014, 43, 293-295.	1.3	10
120	Triphenylene-based Host Materials for Low-voltage, Highly Efficient Red Phosphorescent Organic Light-emitting Diodes. <i>Chemistry Letters</i> , 2013, 42, 383-385.	1.3	9
121	Functional Soft Materials: Nanostructured Liquid Crystals and Self-Assembled Fibrous Aggregates. Yuki Gosei Kagaku Kyokaiishi/Journal of Synthetic Organic Chemistry, 2010, 68, 1169-1174.	0.1	9
122	Photosensitized Near-Infrared Luminescence of Yb(III) Complexes Containing Phenanthroline Derivatives. <i>Japanese Journal of Applied Physics</i> , 2008, 47, 1192-1195.	1.5	8
123	A layered liquid crystalline droplet. <i>Journal of Materials Chemistry</i> , 2009, 19, 3469.	6.7	8
124	Photon-absorbing charge-bridging states in organic bulk heterojunctions consisting of diketopyrrolopyrrole derivatives and PCBM. <i>Physical Chemistry Chemical Physics</i> , 2016, 18, 9514-9523.	2.8	8
125	High-Crystallinity π -Conjugated Small Molecules Based on Thienylene–Vinylene–Thienylene: Critical Role of Self-Organization in Photovoltaic, Charge-Transport, and Morphological Properties. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 42756-42765.	8.0	8
126	Dipolar and Quadrupolar Luminophores Based on 1,8-Dimethylcarbazole–Triazine Conjugates for High-Efficiency Blue Thermally Activated Delayed Fluorescence OLEDs. <i>ChemPhotoChem</i> , 2020, 4, 82-88.	3.0	8

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127	A liquid-crystalline semiconducting polymer based on thienylene–vinylene–thienylene: Enhanced hole mobilities by mesomorphic molecular ordering and thermoplastic shape-deformable characteristics. <i>Polymer Journal</i> , 2020, 52, 313-321.	2.7	7
128	U-shaped Heteroacenes Embedded with Heavy Chalcogen Atoms: Unique Bilayer Self-Organization of Crooked π -Cores Enabling Efficient Charge Transport. <i>Advanced Electronic Materials</i> , 2021, 7, 2001052.	5.1	7
129	Molecular Design of High-molecular-orientation Electron-transport Materials and Application to Organic Light-emitting Diodes. <i>Chemistry Letters</i> , 2013, 42, 651-653.	1.3	6
130	Star-shaped and linear π -conjugated oligomers consisting of a tetrathienoanthracene core and multiple diketopyrrolopyrrole arms for organic solar cells. <i>Beilstein Journal of Organic Chemistry</i> , 2016, 12, 1459-1466.	2.2	6
131	Synthesis of Anthracene Derivatives with Azaacene-Containing Iptycene Wings and the Utilization as a Dopant for Solution-Processed Organic Light-Emitting Diodes. <i>Chemistry - A European Journal</i> , 2019, 25, 15565-15571.	3.3	6
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