Junji Kido

List of Publications by Year
in descending order

360 papers	28,175 citations	82 h-index	161 g-index
		5574	5829
371 all docs	371 docs citations	371 times ranked	15252 citing authors

#	Article	IF	Citations
1	Two-Step Crystallization for Low-Oxidation Tin-Based Perovskite Light-Emitting Diodes. ACS Applied Materials & Interfaces, 2022, 14, 22941-22949.	8.0	19
2	Constructing Soluble Anthraceneâ€Based Blue Emitters Free of Electrically Inert Alkyl Chains for Efficient Evaporationâ€•and Solutionâ€Based OLEDs. ChemPlusChem, 2022, 87, e202100517.	2.8	4
3	Extremely High Power Efficiency Solutionâ€Processed Orangeâ€Red TADF OLEDs via a Synergistic Strategy of Molecular and Device Engineering. Advanced Optical Materials, 2022, 10, .	7.3	11
4	Highly stable and efficient deep-red phosphorescent organic light-emitting devices using a phenanthroline derivative as an n-type exciplex host partner. Journal of Materials Chemistry C, 2022, 10, 2073-2079.	5.5	10
5	Four Dibenzofuranâ€Terminated Highâ€Tripletâ€Energy Hole Transporters for Highâ€Efficiency and Longâ€Life Organic Lightâ€Emitting Devices. Chemistry - A European Journal, 2022, 28, .	3.3	7
6	Controlling the electronic structures of triphenylene based sky blue TADF emitters by chemical modifications for high efficiency with shorter emission lifetimes. Chemical Engineering Journal, 2022, 435, 134925.	12.7	1
7	Gel permeation chromatography process for highly oriented Cs3Cu2I5 nanocrystal film. Scientific Reports, 2022, 12, 4620.	3.3	5
8	Energy Transfer between Size-Controlled CsPbI₃ Quantum Dots for Light-Emitting Diode Application. ACS Applied Materials & Interfaces, 2022, 14, 17691-17697.	8.0	9
9	A multifunctional hole-transporter for high-performance TADF OLEDs and clarification of factors governing the transport property by multiscale simulation. Journal of Materials Chemistry C, 2022, 10, 8694-8701.	5.5	15
10	Novel Series of Mononuclear Aluminum Complexes for Highâ€Performance Solutionâ€Processed Organic Lightâ€Emitting Devices. Angewandte Chemie - International Edition, 2021, 60, 6036-6041.	13.8	10
11	Novel Series of Mononuclear Aluminum Complexes for Highâ€Performance Solutionâ€Processed Organic Lightâ€Emitting Devices. Angewandte Chemie, 2021, 133, 6101-6106.	2.0	5
12	Facile synthesis of multi-resonance ultra-pure-green TADF emitters based on bridged diarylamine derivatives for efficient OLEDs with narrow emission. Journal of Materials Chemistry C, 2021, 9, 8308-8313.	5.5	59
13	Ï€â€Extended Carbazole Derivatives as Host Materials for Highly Efficient and Longâ€Life Green Phosphorescent Organic Lightâ€Emitting Diodes. Chemistry - A European Journal, 2021, 27, 4971-4976.	3.3	18
14	Bidimensional Hâ€Bond Network Promotes Structural Order and Electron Transport in BPyMPMs Molecular Semiconductor. Advanced Theory and Simulations, 2021, 4, 2000302.	2.8	4
15	Dibenzothiophene/Terpyridine Conjugated Asymmetric Electron-Transporters for High-efficiency and Long-life Green Phosphorescent OLEDs. Chemistry Letters, 2021, 50, 534-537.	1.3	1
16	Asymmetric Spirobiacridineâ€based Delayed Fluorescence Emitters for Highâ€performance Organic Lightâ€Emitting Devices. Chemistry - A European Journal, 2021, 27, 10869-10874.	3.3	11
17	Metabolic responses to polychromatic LED and OLED light at night. Scientific Reports, 2021, 11, 12402.	3.3	11
18	High luminescence and external quantum efficiency in perovskite quantum-dots light-emitting diodes featuring bilateral affinity to silver and short alkyl ligands. Chemical Engineering Journal, 2021, 414, 128866.	12.7	29

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19	Asymmetric Spirobiacridineâ€based Delayed Fluorescence Emitters for Highâ€performance Organic Lightâ€Emitting Devices. Chemistry - A European Journal, 2021, 27, 10780-10780.	3.3	1
20	Bis(Triphenylamine)Benzodifuran Chromophores: Synthesis, Electronic Properties and Application in Organic Light-Emitting Diodes. Frontiers in Chemistry, 2021, 9, 721272.	3.6	2
21	Improved operational lifetime of deep-red phosphorescent organic light-emitting diodes using a benzothienobenzothiophene (BTBT)-based p-type host material. Journal of Materials Chemistry C, 2021, 9, 1215-1220.	5.5	15
22	Low Molecular Weight Materials: Electron Injection Materials. , 2021, , 1-8.		0
23	Neodymium Chloride-Doped Perovskite Nanocrystals for Efficient Blue Light-Emitting Devices. ACS Applied Materials & Interfaces, 2020, 12, 53891-53898.	8.0	33
24	S-Vinyl Sulfide-Derived Pendant-Type Sulfone/Phenoxazine-Based Polymers Exhibiting Thermally Activated Delayed Fluorescence: Synthesis and Photophysical Property Characterization. ACS Applied Polymer Materials, 2020, 2, 3310-3318.	4.4	11
25	Surface Crystal Growth of Perovskite Nanocrystals via Postsynthetic Lead(II) Bromide Treatment to Increase the Colloidal Stability and Efficiency of Light-Emitting Devices. ACS Applied Materials & Interfaces, 2020, 12, 45574-45581.	8.0	21
26	Blue Perovskite Nanocrystal Lightâ€Emitting Devices via the Ligand Exchange with Adamantane Diamine. Advanced Optical Materials, 2020, 8, 2000289.	7.3	52
27	Molecular Orientations of Delayed Fluorescent Emitters in a Series of Carbazole-Based Host Materials. Frontiers in Chemistry, 2020, 8, 427.	3.6	24
28	Blue Perovskite Lightâ€Emitting Devices: Blue Perovskite Nanocrystal Lightâ€Emitting Devices via the Ligand Exchange with Adamantane Diamine (Advanced Optical Materials 13/2020). Advanced Optical Materials, 2020, 8, 2070054.	7.3	0
29	Simultaneous realization of high-efficiency, low-drive voltage, and long lifetime TADF OLEDs by multifunctional hole-transporters. Journal of Materials Chemistry C, 2020, 8, 7200-7210.	5.5	30
30	Spirobiacridine-based Host Material for Highly Efficient Blue Phosphorescent Organic Light-emitting Devices. Chemistry Letters, 2020, 49, 228-231.	1.3	1
31	A terpyridine-modified chrysene derivative as an electron transporter to improve the lifetime in phosphorescent OLEDs. Journal of Materials Chemistry C, 2020, 8, 3200-3205.	5.5	4
32	Gel Permeation Chromatography Purification Process for Highly Efficient Perovskite Nanocrystal Light-Emitting Devices. Journal of Photopolymer Science and Technology = [Fotoporima Konwakai Shi], 2020, 33, 393-397.	0.3	7
33	Low Molecular Weight Materials: Electron-Transport Materials. , 2019, , 1-10.		1
34	Doping of Tetraalkylammonium Salts in Polyethylenimine Ethoxylated for Efficient Electron Injection Layers in Solution-Processed Organic Light-Emitting Devices. ACS Applied Materials & Interfaces, 2019, 11, 25351-25357.	8.0	14
35	Roomâ€Temperature Phosphorescence from a Series of 3â€Pyridylcarbazole Derivatives. Chemistry - A European Journal, 2019, 25, 16294-16300.	3.3	12
36	Organic Light Emitting Diodes for Lighting Applications. , 2019, , .		4

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37	An Indolocarbazoleâ€Based Thermally Activated Delayed Fluorescence Host for Solutionâ€Processed Phosphorescent Tandem Organic Lightâ€Emitting Devices Exhibiting Extremely Small Efficiency Rollâ€Off. Advanced Functional Materials, 2019, 29, 1808022.	14.9	34
38	A sky blue thermally activated delayed fluorescence emitter to achieve efficient white light emission through in situ metal complex formation. Journal of Materials Chemistry C, 2019, 7, 3146-3149.	5.5	16
39	Pâ€172: Novel Sterically Bulky Holeâ€Transporters Realizing Enhanced Operation Lifetime in TADF OLEDs. Digest of Technical Papers SID International Symposium, 2019, 50, 1884-1885.	0.3	1
40	Pâ€174: Improved Operation Lifetime of Highly Efficient Skyâ€Blue TADF OLEDs using Hexaphenylbenzeneâ€based Holeâ€transporters. Digest of Technical Papers SID International Symposium, 2019, 50, 1889-1890.	0.3	2
41	Low-temperature cross-linking of polyethyleneimine ethoxylated using silane coupling agents to obtain stable electron injection layers in solution-processed organic light-emitting devices. Journal of Materials Chemistry C, 2019, 7, 6759-6766.	5.5	8
42	A Series of Dibenzofuranâ€Based nâ€Type Exciplex Host Partners Realizing Highâ€Efficiency and Stable Deepâ€Red Phosphorescent OLEDs. Chemistry - A European Journal, 2019, 25, 7231-7231.	3.3	2
43	Chrysene-based Electron-transporters Realizing Highly Efficient and Stable Phosphorescent OLEDs. Chemistry Letters, 2019, 48, 457-460.	1.3	5
44	Molecular Orientation: Control of Molecular Orientation in Organic Semiconductor Films using Weak Hydrogen Bonds (Adv. Mater. 18/2019). Advanced Materials, 2019, 31, 1970131.	21.0	0
45	Solutionâ€Processed Tandem OLEDs: An Indolocarbazoleâ€Based Thermally Activated Delayed Fluorescence Host for Solutionâ€Processed Phosphorescent Tandem Organic Lightâ€Emitting Devices Exhibiting Extremely Small Efficiency Rollâ€Off (Adv. Funct. Mater. 16/2019). Advanced Functional Materials, 2019, 29, 1970102.	14.9	0
46	Perovskite Solar Cells: Achieving 20% Efficiency for Lowâ€Temperatureâ€Processed Inverted Perovskite Solar Cells (Adv. Funct. Mater. 12/2019). Advanced Functional Materials, 2019, 29, 1970074.	14.9	1
47	Photochemistry: A Series of Imidazo[1,2â€f]phenanthridineâ€Based Skyâ€Blue TADF Emitters Realizing EQE of over 20% (Advanced Optical Materials 5/2019). Advanced Optical Materials, 2019, 7, 1970020.	7.3	0
48	Control of Molecular Orientation in Organic Semiconductor Films using Weak Hydrogen Bonds. Advanced Materials, 2019, 31, e1808300.	21.0	62
49	Review of Molecular Engineering for Horizontal Molecular Orientation in Organic Light-Emitting Devices. Bulletin of the Chemical Society of Japan, 2019, 92, 716-728.	3.2	82
50	High-Efficiency Sky Blue-To-Green Fluorescent Emitters Based on 3-Pyridinecarbonitrile Derivatives. Frontiers in Chemistry, 2019, 7, 254.	3.6	3
51	A Series of Dibenzofuranâ€Based nâ€Type Exciplex Host Partners Realizing Highâ€Efficiency and Stable Deepâ€Red Phosphorescent OLEDs. Chemistry - A European Journal, 2019, 25, 7308-7314.	3.3	45
52	ZnO/Polyethyleneimine Ethoxylated/Lithium Bis(trifluoromethanesulfonyl)imide for Solution-Processed Electron Injection Layers in Organic Light-Emitting Devices. Journal of Photopolymer Science and Technology = [Fotoporima Konwakai Shi], 2019, 32, 577-583.	0.3	0
53	Anion Exchange Perovskite Quantum-Dots for Highly Efficient Light-Emitting-Devices. , 2019, , .		1
54	Elucidating the impact of N-arylanilino substituents of squaraines on their photovoltaic performances. Organic Electronics, 2019, 66, 188-194.	2.6	4

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55	A novel Ï€-D1-A-D2 type low bandgap squaraine dye for efficient small molecular organic solar cells. Dyes and Pigments, 2019, 163, 564-572.	3.7	9
56	Achieving 20% Efficiency for Lowâ€Temperatureâ€Processed Inverted Perovskite Solar Cells. Advanced Functional Materials, 2019, 29, 1807556.	14.9	68
57	A Series of Imidazo[1,2â€f]phenanthridineâ€Based Skyâ€Blue TADF Emitters Realizing EQE of over 20%. Advanced Optical Materials, 2019, 7, 1801282.	7.3	47
58	A Novel Series of Thermally and Electrically Stable Hole-transporters End-capped by [1]Benzothieno[3,2-b][1]benzothiophenes for Organic Light-emitting Devices. Chemistry Letters, 2019, 48, 219-222.	1.3	3
59	Visualization of Organic Light-Emitting Device Structures Fabricated by Solution-Processing Using Neutron Reflectivity Measurements. Journal of Surface Analysis (Online), 2019, 26, 2-9.	0.1	0
60	Low Molecular Weight Materials: Hole-Transport Materials. , 2019, , 1-6.		0
61	Central dicyanomethylene-substituted unsymmetrical squaraines and their application in organic solar cells. Journal of Materials Chemistry A, 2018, 6, 5797-5806.	10.3	25
62	Post-Treatment-Free Solution-Processed Reduced Phosphomolybdic Acid Containing Molybdenum Oxide Units for Efficient Hole-Injection Layers in Organic Light-Emitting Devices. Inorganic Chemistry, 2018, 57, 1950-1957.	4.0	15
63	Flexible Organic Light-Emitting Diode Displays Driven by Inkjet-Printed High-Mobility Organic Thin-Film Transistors. IEEE Electron Device Letters, 2018, 39, 39-42.	3.9	98
64	Organic Lightâ€Emitting Devices: Airâ€Stable and Highâ€Performance Solutionâ€Processed Organic Lightâ€Emitting Devices Based on Hydrophobic Polymeric Ionic Liquid Carrierâ€Injection Layers (Adv.) Tj ETQq0 0 0 rgBT /Overlock 10 Tf	21.0	2
65	Conjugated Polyelectrolyte Blend with Polyethyleneimine Ethoxylated for Thickness-Insensitive Electron Injection Layers in Organic Light-Emitting Devices. ACS Applied Materials & Interfaces, 2018, 10, 17318-17326.	8.0	27
66	Airâ€Stable and Highâ€Performance Solutionâ€Processed Organic Lightâ€Emitting Devices Based on Hydrophobic Polymeric Ionic Liquid Carrierâ€Injection Layers. Advanced Materials, 2018, 30, e1705915.	21.0	36
67	A Novel Sterically Bulky Hole Transporter to Remarkably Improve the Lifetime of Thermally Activated Delayed Fluorescent OLEDs at High Brightness. Chemistry - A European Journal, 2018, 24, 4590-4596.	3.3	36
68	Effects of different types of unsymmetrical squaraines on the material properties and Coulomb interactions in organic photovoltaic devices. Materials Chemistry Frontiers, 2018, 2, 2116-2123.	5.9	4
69	Anion-exchange red perovskite quantum dots with ammonium iodine salts for highly efficient light-emitting devices. Nature Photonics, 2018, 12, 681-687.	31.4	1,123
70	Operation behaviors of interconnecting-layers in solution-processed tandem organic light-emitting devices. Organic Electronics, 2018, 63, 98-103.	2.6	4
71	Interfacial Engineering of Perovskite Quantum-Dot Light-Emitting Devices Using Alkyl Ammonium Salt Layer. Journal of Photopolymer Science and Technology = [Fotoporima Konwakai Shi], 2018, 31, 329-333.	0.3	2
72	Comparison of the Solution and Vacuum-Processed Squaraine:Fullerene Small-Molecule Bulk Heterojunction Solar Cells. Frontiers in Chemistry, 2018, 6, 412.	3.6	11

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73	Organic LEDs: Ultrahigh Power Efficiency Thermally Activated Delayed Fluorescent OLEDs by the Strategic Use of Electron-Transport Materials (Advanced Optical Materials 17/2018). Advanced Optical Materials, 2018, 6, 1870067.	7.3	0
74	Purification of Perovskite Quantum Dots Using Low-Dielectric-Constant Washing Solvent â€œDiglymeâ€• for Highly Efficient Light-Emitting Devices. ACS Applied Materials & Interfaces, 2018, 10, 24607-24612.	8.0	102
75	A minimal non-radiative recombination loss for efficient non-fullerene all-small-molecule organic solar cells with a low energy loss of 0.54ÂeV and high open-circuit voltage of 1.15 V. Journal of Materials Chemistry A, 2018, 6, 13918-13924.	10.3	62
76	Colorful Squaraines Dyes for Efficient Solution-Processed All Small-Molecule Semitransparent Organic Solar Cells. ACS Applied Materials & Interfaces, 2018, 10, 26465-26472.	8.0	28
77	Two-Dimensional Ca₂Nb₃O₁₀ Perovskite Nanosheets for Electron Injection Layers in Organic Light-Emitting Devices. ACS Applied Materials & Interfaces, 2018, 10, 27885-27893.	8.0	15
78	Dual mode OPV-OLED device with photovoltaic and light-emitting functionalities. Scientific Reports, 2018, 8, 11472.	3.3	18
79	White OLED (WOLED) and Charge Generation Layer (CGL). , 2018, , 1-22.		3
80	Current Status of OLED Material and Process Technologies for Display and Lighting. , 2018, , .		5
81	Lead halide perovskite quantum dots for light-emitting devices. Journal of Materials Chemistry C, 2018, 6, 11868-11877.	5.5	47
82	Ultrahigh Power Efficiency Thermally Activated Delayed Fluorescent OLEDs by the Strategic Use of Electronâ€Transport Materials. Advanced Optical Materials, 2018, 6, 1800376.	7.3	28
83	Recent progress of pyrimidine derivatives for high-performance organic light-emitting devices. Journal of Photonics for Energy, 2018, 8, 1.	1.3	70
84	Neutron Reflectivity Study for Solution-processed Organic/Organic Interfacial Structures in Organic Light-emitting Devices. Hamon, 2018, 28, 183-186.	0.0	1
85	Highly efficient, deep-red organic light-emitting devices using energy transfer from exciplexes. Journal of Materials Chemistry C, 2017, 5, 527-530.	5.5	72
86	Manipulating the Electronic Excited State Energies of Pyrimidine-Based Thermally Activated Delayed Fluorescence Emitters To Realize Efficient Deep-Blue Emission. ACS Applied Materials & Interfaces, 2017, 9, 4742-4749.	8.0	91
87	High-Efficiency Perovskite Quantum-Dot Light-Emitting Devices by Effective Washing Process and Interfacial Energy Level Alignment. ACS Applied Materials & Interfaces, 2017, 9, 18054-18060.	8.0	289
88	Addition of Lithium 8-Quinolate into Polyethylenimine Electron-Injection Layer in OLEDs: Not Only Reducing Driving Voltage but Also Improving Device Lifetime. ACS Applied Materials & Interfaces, 2017, 9, 18113-18119.	8.0	32
89	Pâ€191: Realizing Deepâ€Blue TADF Emission with CIE of (0.16, 0.15) using a Highly Twisted Acceptor Unit. Digest of Technical Papers SID International Symposium, 2017, 48, 1989-1990.	0.3	0
90	57â€3: Invited Paper: Solutionâ€Processed Electron Transporting Layer and Interface Characterization in Organic Light Emitting Diodes. Digest of Technical Papers SID International Symposium, 2017, 48, 849-852.	0.3	2

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91	Pâ€172: Solutionâ€Processed Polymer and Smallâ€Molecule Tandem OLEDs. Digest of Technical Papers SID International Symposium, 2017, 48, 1922-1924.	0.3	0
92	Pâ€192: Efficient Deep Red Phosphorescent OLEDs with an EL Emission Peak of 670 nm. Digest of Technical Papers SID International Symposium, 2017, 48, 1991-1992.	0.3	1
93	OLEDs: Significant Enhancement of Blue OLED Performances through Molecular Engineering of Pyrimidine-Based Emitter (Advanced Optical Materials 6/2017). Advanced Optical Materials, 2017, 5, .	7.3	0
94	Significant Enhancement of Blue OLED Performances through Molecular Engineering of Pyrimidineâ€Based Emitter. Advanced Optical Materials, 2017, 5, 1600843.	7.3	73
95	High Power Efficiency Blueâ€toâ€Green Organic Lightâ€Emitting Diodes Using Isonicotinonitrileâ€Based Fluorescent Emitters. Chemistry - an Asian Journal, 2017, 12, 648-654.	3.3	25
96	Horizontally Orientated Sticklike Emitters: Enhancement of Intrinsic Out-Coupling Factor and Electroluminescence Performance. Chemistry of Materials, 2017, 29, 8630-8636.	6.7	164
97	The effect of processing solvent dependent film aggregation on the photovoltaic performance of squaraine:PC71BM bulk heterojunction solar cells. Organic Electronics, 2017, 51, 62-69.	2.6	26
98	DBP and C70 based inverted tandem solar cells using a simple interconnecting layer. RSC Advances, 2017, 7, 34664-34668.	3.6	1
99	Introduction of Twisted Backbone: A New Strategy to Achieve Efficient Blue Fluorescence Emitter with Delayed Emission. Advanced Optical Materials, 2017, 5, 1700334.	7.3	23
100	Unique Solidâ€State Emission Behavior of Aromatic Difluoroboronated Î²â€Diketones as an Emitter in Organic Lightâ€Emitting Devices. Chemistry - an Asian Journal, 2017, 12, 2299-2303.	3.3	17
101	Rubrene-based interfacial engineering toward enhanced performance in inverted polymer solar cells. Organic Electronics, 2017, 50, 191-197.	2.6	8
102	Low-Band-Gap Small Molecule for Efficient Organic Solar Cells with a Low Energy Loss below 0.6 eV and a High Open-Circuit Voltage of over 0.9 V. ACS Energy Letters, 2017, 2, 2021-2025.	17.4	61
103	A Series of Lithium Pyridyl Phenolate Complexes with a Pendant Pyridyl Group for Electron-Injection Layers in Organic Light-Emitting Devices. ACS Applied Materials & Interfaces, 2017, 9, 40541-40548.	8.0	8
104	Influence of solution- and thermal-annealing processes on the sub-nanometer-ordered organicâ€“organic interface structure of organic light-emitting devices. Nanoscale, 2017, 9, 25-30.	5.6	29
105	Highly Luminescent Ï€â€Conjugated Terpyridine Derivatives Exhibiting Thermally Activated Delayed Fluorescence. Chemistry - A European Journal, 2017, 23, 114-119.	3.3	26
106	Inhibition of solution-processed 1,4,5,8,9,11-hexaazatriphenylene-hexacarbonitrile crystallization by mixing additives for hole injection layers in organic light-emitting devices. Polymer Journal, 2017, 49, 149-154.	2.7	8
107	Unlocking the Potential of Pyrimidine Conjugate Emitters to Realize Highâ€Performance Organic Lightâ€Emitting Devices. Advanced Optical Materials, 2017, 5, 1600675.	7.3	29
108	Surface-Modified Zinc Oxide Nanoparticles for Electron Injection Layers in Organic Light-Emitting Devices. Journal of Photopolymer Science and Technology = [Fotoporima Konwakai Shi], 2017, 30, 483-488.	0.3	3

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109	50â€4: Highâ€Performance Pyrimidineâ€Based TADF Emitters Realizing Pure Blueâ€toâ€Green Emission with EQE of 25%. Digest of Technical Papers SID International Symposium, 2017, 48, 754-755.	0.3	0
110	Singlet Fission of Nonâ€polycyclic Aromatic Molecules in Organic Photovoltaics. Advanced Materials, 2016, 28, 1585-1590.	21.0	64
111	P-169: Light-Blue Thermally Activated Delayed Fluorescent Emitters Realizing a High External Quantum Efficiency of 25%. Digest of Technical Papers SID International Symposium, 2016, 47, 1754-1756.	0.3	0
112	Highâ€Performance Green OLEDs Using Thermally Activated Delayed Fluorescence with a Power Efficiency of over 100 lm W^{â^'1}. Advanced Materials, 2016, 28, 2638-2643.	21.0	225
113	A Solution-Processable Small-Molecule Host for Phosphorescent Organic Light-Emitting Devices. Journal of Photopolymer Science and Technology = [Fotoporima Konwakai Shi], 2016, 29, 317-321.	0.3	3
114	Organic Photovoltaics: Singlet Fission of Non-polycyclic Aromatic Molecules in Organic Photovoltaics (Adv. Mater. 8/2016). Advanced Materials, 2016, 28, 1711-1711.	21.0	1
115	Two different donor subunits substituted unsymmetrical squaraines for solution-processed small molecule organic solar cells. Organic Electronics, 2016, 32, 179-186.	2.6	13
116	Organic Light-Emitting Devices with Tandem Structure. Topics in Current Chemistry, 2016, 374, 33.	5.8	17
117	Poly(pyridinium iodide ionic liquid)-based electron injection layers for solution-processed organic light-emitting devices. Journal of Materials Chemistry C, 2016, 4, 6713-6719.	5.5	17
118	A series of pyrimidine based blue to green thermally activated delayed fluorescent emitters realizing a high EQE of 25%. , 2016, , .		0
119	Simultaneous Realization of High EQE of 30%, Low Drive Voltage, and Low Efficiency Rollâ€Off at High Brightness in Blue Phosphorescent OLEDs. Advanced Optical Materials, 2016, 4, 86-90.	7.3	109
120	Fundamental functions of peripheral and core pyridine rings in a series of bis-terpyridine derivatives for high-performance organic light-emitting devices. Journal of Materials Chemistry C, 2016, 4, 8980-8988.	5.5	26
121	Effect of substituents in a series of carbazole-based host-materials toward high-efficiency carbene-based blue OLEDs. Journal of Materials Chemistry C, 2016, 4, 9476-9481.	5.5	19
122	Novel Blue Exciplex Comprising Acridine and Sulfone Derivatives as a Host Material for High-efficiency Blue Phosphorescent OLEDs. Chemistry Letters, 2016, 45, 283-285.	1.3	11
123	A Solution-Processed Heteropoly Acid Containing MoO₃ Units as a Hole-Injection Material for Highly Stable Organic Light-Emitting Devices. ACS Applied Materials & Interfaces, 2016, 8, 20946-20954.	8.0	50
124	An effective Ï€-extended squaraine for solution-processed organic solar cells with high efficiency. Journal of Materials Chemistry A, 2016, 4, 18931-18941.	10.3	30
125	Organic Lightâ€Emitting Devices: Highâ€Performance Green OLEDs Using Thermally Activated Delayed Fluorescence with a Power Efficiency of over 100 lm W^{â^'1} (Adv. Mater. 13/2016). Advanced Materials, 2016, 28, 2651-2651.	21.0	1
126	Synthesis, properties, and OLED characteristics of 2,2â€²-bipyridine-based electron-transport materials: the synergistic effect of molecular shape anisotropy and a weak hydrogen-bonding network on molecular orientation. Journal of Materials Chemistry C, 2016, 4, 3699-3704.	5.5	43

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127	Simultaneous cross-linking and p-doping of a polymeric semiconductor film by immersion into a phosphomolybdic acid solution for use in organic solar cells. Chemical Communications, 2016, 52, 3825-3827.	4.1	17
128	A series of fluorinated phenylpyridine-based electron-transporters for blue phosphorescent OLEDs. Journal of Materials Chemistry C, 2016, 4, 1104-1110.	5.5	31
129	Light-blue thermally activated delayed fluorescent emitters realizing a high external quantum efficiency of 25% and unprecedented low drive voltages in OLEDs. Journal of Materials Chemistry C, 2016, 4, 2274-2278.	5.5	162
130	Unsymmetrical squaraines with new linkage manner for high-performance solution-processed small-molecule organic photovoltaic cells. RSC Advances, 2016, 6, 1877-1884.	3.6	12
131	Trial Manufacturing of Thin-Film Transistor by Selective Laser Annealing with Micro Lens. The Review of Laser Engineering, 2016, 44, 193.	0.0	0
132	Whiteâ€Light Sources: Solutionâ€Processed White Phosphorescent Tandem Organic Lightâ€Emitting Devices (Adv. Mater. 32/2015). Advanced Materials, 2015, 27, 4804-4804.	21.0	1
133	Comparison of Spin and Blade Coating Methods in Solution-process for Organic Light-emitting Devices. Journal of Photopolymer Science and Technology = [Fotoporima Konwakai Shi], 2015, 28, 343-347.	0.3	3
134	Squaraine dyes for organic photovoltaic cells. Journal of Materials Chemistry A, 2015, 3, 14517-14534.	10.3	201
135	Natural-photosynthesis-inspired photovoltaic cells using carotenoid aggregates as electron donors and chlorophyll derivatives as electron acceptors. RSC Advances, 2015, 5, 45755-45759.	3.6	31
136	Asymmetrical Squaraines Bearing Fluorine-Substituted Indoline Moieties for High-Performance Solution-Processed Small-Molecule Organic Solar Cells. ACS Applied Materials & Interfaces, 2015, 7, 13675-13684.	8.0	39
137	High efficiency solution processed OLEDs using a thermally activated delayed fluorescence emitter. Synthetic Metals, 2015, 202, 165-168.	3.9	54
138	The Effect of Electronâ€Withdrawing Groups on Electron Transporting Silane Derivatives with Wide Energy Gap for Green Electrophosphorescent Devices. Advanced Electronic Materials, 2015, 1, 1400034.	5.1	11
139	Simultaneous Manipulation of Intramolecular and Intermolecular Hydrogen Bonds in nâ€Type Organic Semiconductor Layers: Realization of Horizontal Orientation in OLEDs. Advanced Optical Materials, 2015, 3, 769-773.	7.3	33
140	Cyano-substitution on the end-capping group: facile access toward asymmetrical squaraine showing strong dipoleâ€“dipole interactions as a high performance small molecular organic solar cells material. Journal of Materials Chemistry A, 2015, 3, 17704-17712.	10.3	40
141	Synthesis of 1,3,4-thiadiazole-based donorâ€“acceptor alternating copolymers for polymer solar cells with high open-circuit voltage. Polymer Journal, 2015, 47, 513-521.	2.7	12
142	High fill factor and thermal stability of bilayer organic photovoltaic cells with an inverted structure. Applied Physics Letters, 2015, 106, 053305.	3.3	21
143	Molecular Interdiffusion between Stacked Layers by Solution and Thermal Annealing Processes in Organic Light Emitting Devices. ACS Applied Materials & Interfaces, 2015, 7, 20779-20785.	8.0	37
144	Efficient Electron Injection by Size- and Shape-Controlled Zinc Oxide Nanoparticles in Organic Light-Emitting Devices. ACS Applied Materials & Interfaces, 2015, 7, 25373-25377.	8.0	29

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145	Solutionâ€Processed White Phosphorescent Tandem Organic Lightâ€Emitting Devices. Advanced Materials, 2015, 27, 4681-4687.	21.0	135
146	Solution-Processed Organic Light-Emitting Devices. , 2015, , 195-219.		0
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