Yuichiro Watanabe

List of Publications by Year
in descending order

26	751	687363 13	642732 23
papers	citations	h-index	g-index

27	27	27	1065
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Extremely Low Operating Voltage Green Phosphorescent Organic Lightâ€Emitting Devices. Advanced Functional Materials, 2013, 23, 5550-5555.	14.9	157
2	High-performance pure blue phosphorescent OLED using a novel bis-heteroleptic iridium(iii) complex with fluorinated bipyridyl ligands. Journal of Materials Chemistry C, 2013, 1, 1070.	5.5	129
3	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
4	Control of Molecular Orientation in Organic Semiconductor Films using Weak Hydrogen Bonds. Advanced Materials, 2019, 31, e1808300.	21.0	62
5	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
6	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
7	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
8	A series of fluorinated phenylpyridine-based electron-transporters for blue phosphorescent OLEDs. Journal of Materials Chemistry C, 2016, 4, 1104-1110.	5.5	31
9	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
10	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
11	Molecular Orientations of Delayed Fluorescent Emitters in a Series of Carbazole-Based Host Materials. Frontiers in Chemistry, 2020, 8, 427.	3.6	24
12	Dual mode OPV-OLED device with photovoltaic and light-emitting functionalities. Scientific Reports, 2018, 8, 11472.	3.3	18
13	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
14	Roomâ€Temperature Phosphorescence from a Series of 3â€Pyridylcarbazole Derivatives. Chemistry - A European Journal, 2019, 25, 16294-16300.	3.3	12
15	Copper(I)â€“Pyrazolate Complexes as Solid-State Phosphors: Deep-Blue Emission through a Remote Steric Effect. Journal of the American Chemical Society, 2022, 144, 10186-10192.	13.7	11
16	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
17	Synthesis and Optoelectronic Properties of Block and Random Copolymers Containing Pendant Carbazole and (Di)phenylanthracene. Polymers, 2018, 10, 721.	4.5	7
18	Chrysene-based Electron-transporters Realizing Highly Efficient and Stable Phosphorescent OLEDs. Chemistry Letters, 2019, 48, 457-460.	1.3	5

#	Article	IF	Citations
19	A zinc-responsive fluorophore based on 5â€²-(p-hydroxyphenyl)-pyridylthiazole. Materials Chemistry Frontiers, 2020, 4, 899-904.	5.9	4
20	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
21	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
22	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
23	Dibenzothiophene/Terpyridine Conjugated Asymmetric Electron-Transporters for High-efficiency and Long-life Green Phosphorescent OLEDs. Chemistry Letters, 2021, 50, 534-537.	1.3	1
24	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
25	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
26	Vibrational Energy Harvester with Electric Double Layer Electrets. , 2020, , .		0