Daisuke Yokoyama

List of Publications by Year
in descending order

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35 papers	3,377 citations	257450 24 h-index	377865 34 g-index
35 all docs	35 docs citations	35 times ranked	3191 citing authors

#	Article	IF	Citations
1	Thermally Activated Delayed Fluorescence from Sn⁴⁺â€“Porphyrin Complexes and Their Application to Organic Light Emitting Diodes â€“ A Novel Mechanism for Electroluminescence. Advanced Materials, 2009, 21, 4802-4806.	21.0	825
2	Molecular orientation in small-molecule organic light-emitting diodes. Journal of Materials Chemistry, 2011, 21, 19187.	6.7	527
3	Horizontal orientation of linear-shaped organic molecules having bulky substituents in neat and doped vacuum-deposited amorphous films. Organic Electronics, 2009, 10, 127-137.	2.6	213
4	Increased light outcoupling efficiency in dye-doped small molecule organic light-emitting diodes with horizontally oriented emitters. Organic Electronics, 2011, 12, 809-817.	2.6	201
5	Horizontally Orientated Sticklike Emitters: Enhancement of Intrinsic Out-Coupling Factor and Electroluminescence Performance. Chemistry of Materials, 2017, 29, 8630-8636.	6.7	164
6	Orientation Control of Linearâ€Shaped Molecules in Vacuumâ€Deposited Organic Amorphous Films and Its Effect on Carrier Mobilities. Advanced Functional Materials, 2010, 20, 386-391.	14.9	151
7	Molecular Stacking Induced by Intermolecular Câ€“HÂ·Â·Â·N Hydrogen Bonds Leading to High Carrier Mobility in Vacuumâ€Deposited Organic Films. Advanced Functional Materials, 2011, 21, 1375-1382.	14.9	144
8	Advantages and disadvantages of vacuum-deposited and spin-coated amorphous organic semiconductor films for organic light-emitting diodes. Journal of Materials Chemistry C, 2015, 3, 11178-11191.	5.5	142
9	Optimizing the Charge Balance of Fluorescent Organic Lightâ€Emitting Devices to Achieve High External Quantum Efficiency Beyond the Conventional Upper Limit. Advanced Materials, 2012, 24, 1765-1770.	21.0	141
10	Influence of Substituted Pyridine Rings on Physical Properties and Electron Mobilities of 2-Methylpyrimidine Skeleton-Based Electron Transporters. Advanced Functional Materials, 2011, 21, 336-342.	14.9	139
11	Synthesis and electroluminescence properties of highly efficient blue fluorescence emitters using dual core chromophores. Journal of Materials Chemistry C, 2013, 1, 432-440.	5.5	97
12	In situ real-time spectroscopic ellipsometry measurement for the investigation of molecular orientation in organic amorphous multilayer structures. Journal of Applied Physics, 2010, 107, .	2.5	57
13	Highly efficient organic pâ€“iâ€“n photovoltaic cells based on tetraphenyldibenzoperiflanthene and fullerene C₇₀. Energy and Environmental Science, 2013, 6, 249-255.	30.8	57
14	Spectrally narrow emissions at cutoff wavelength from edges of optically and electrically pumped anisotropic organic films. Journal of Applied Physics, 2008, 103, .	2.5	47
15	Excimer emission based on the control of molecular structure and intermolecular interactions. Journal of Materials Chemistry C, 2016, 4, 2784-2792.	5.5	47
16	Horizontal Orientation of Disk-like Hole Transport Molecules and Their Application for Organic Light-Emitting Diodes Requiring a Lower Driving Voltage. Journal of Physical Chemistry C, 2012, 116, 8699-8706.	3.1	46
17	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
18	Quantum yield in blue-emitting anthracene derivatives: vibronic coupling density and transition dipole moment density. Physical Chemistry Chemical Physics, 2014, 16, 14244-14256.	2.8	42

#	Article	IF	Citations
19	Wideâ€Range Refractive Index Control of Organic Semiconductor Films Toward Advanced Optical Design of Organic Optoelectronic Devices. Advanced Materials, 2012, 24, 6368-6373.	21.0	35
20	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
21	Anisotropic materials in OLEDs for high outcoupling efficiency. Optics Express, 2015, 23, 21128.	3.4	32
22	A series of fluorinated phenylpyridine-based electron-transporters for blue phosphorescent OLEDs. Journal of Materials Chemistry C, 2016, 4, 1104-1110.	5.5	31
23	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
24	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
25	Molecular Orientations of Delayed Fluorescent Emitters in a Series of Carbazole-Based Host Materials. Frontiers in Chemistry, 2020, 8, 427.	3.6	24
26	Spectrally Narrow Emission at Cutoff Wavelength from Edge of Electrically Pumped Organic Light-Emitting Diodes. Japanese Journal of Applied Physics, 2007, 46, L826-L829.	1.5	17
27	Significantly Sensitized Ternary Blend Polymer Solar Cells with a Very Small Content of the Narrow-Band Gap Third Component That Utilizes Optical Interference. Macromolecules, 2020, 53, 10623-10635.	4.8	17
28	Esterification of Indoline-Based Small-Molecule Donors for Efficient Co-evaporated Organic Photovoltaics. Journal of Physical Chemistry C, 2014, 118, 14785-14794.	3.1	15
29	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
30	Effect of the conformer distribution on the properties of amorphous organic semiconductor films for organic light-emitting diodes. Physical Chemistry Chemical Physics, 2021, 23, 14242-14251.	2.8	5
31	Active refractive index control using a stably evaporable perfluororesin for high-outcoupling-efficiency organic light-emitting diodes. Journal of Materials Chemistry C, 2021, 9, 11115-11125.	5.5	4
32	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
33	Model-free analysis of molecular orientation in amorphous organic semiconductor films for understanding its formation dynamics: Methods and systematic investigation. Organic Electronics, 2022, 100, 106377.	2.6	4
34	Photopatterning of Indomethacin Thin Films: a Solvent-Free Vapor-Deposited Photoresist. ACS Applied Materials & Interfaces, 2015, 7, 23398-23401.	8.0	2
35	Organic Semiconductors: Wide-Range Refractive Index Control of Organic Semiconductor Films Toward Advanced Optical Design of Organic Optoelectronic Devices (Adv. Mater. 47/2012). Advanced Materials, 2012, 24, 6386-6386.	21.0	0