

Naoya Aizawa

List of Publications by Year in descending order

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Version: 2024-02-01

35
papers

1,967
citations

331538

21
h-index

395590

33
g-index

39
all docs

39
docs citations

39
times ranked

2323
citing authors

#	ARTICLE	IF	CITATIONS
1	Solution-processed multilayer small-molecule light-emitting devices with high-efficiency white-light emission. <i>Nature Communications</i> , 2014, 5, 5756.	5.8	278
2	High-Performance Dibenzoheteroborinane-Based Thermally Activated Delayed Fluorescence Emitters: Molecular Architectonics for Concurrently Achieving Narrowband Emission and Efficient Triplet-Singlet Spin Conversion. <i>Advanced Functional Materials</i> , 2018, 28, 1802031.	7.8	264
3	Versatile Molecular Functionalization for Inhibiting Concentration Quenching of Thermally Activated Delayed Fluorescence. <i>Advanced Materials</i> , 2017, 29, 1604856.	11.1	251
4	Solution-based electrical doping of semiconducting polymer films over a limited depth. <i>Nature Materials</i> , 2017, 16, 474-480.	13.3	121
5	Fabrication of Organic Light-Emitting Devices Comprising Stacked Light-Emitting Units by Solution-Based Processes. <i>Advanced Materials</i> , 2015, 27, 1327-1332.	11.1	90
6	Instant Low-Temperature Cross-Linking of Poly(<i>N</i> -vinylcarbazole) for Solution-Processed Multilayer Blue Phosphorescent Organic Light-Emitting Devices. <i>Advanced Materials</i> , 2014, 26, 7543-7546.	11.1	85
7	Thermal equilibration between singlet and triplet excited states in organic fluorophore for submicrosecond delayed fluorescence. <i>Science Advances</i> , 2021, 7, .	4.7	79
8	Kinetic prediction of reverse intersystem crossing in organic donor-acceptor molecules. <i>Nature Communications</i> , 2020, 11, 3909.	5.8	75
9	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.	3.2	68
10	Tunable Full-Color Electroluminescence from All-Organic Optical Upconversion Devices by Near-Infrared Sensing. <i>ACS Photonics</i> , 2017, 4, 223-227.	3.2	61
11	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.	1.3	61
12	Modulating Photo- and Electroluminescence in a Stimuli-Responsive Conjugated Donor-Acceptor Molecular System. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 11982-11986.	7.2	60
13	Thermally cross-linkable host materials for enabling solution-processed multilayer stacks in organic light-emitting devices. <i>Organic Electronics</i> , 2013, 14, 1614-1620.	1.4	54
14	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.	3.2	53
15	Electron spin resonance resolves intermediate triplet states in delayed fluorescence. <i>Nature Communications</i> , 2021, 12, 4532.	5.8	38
16	Solution-processable carbazole-based host materials for phosphorescent organic light-emitting devices. <i>Organic Electronics</i> , 2012, 13, 2235-2242.	1.4	37
17	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.	2.7	32
18	2,6-Bis(arylsulfonyl)anilines as Fluorescent Scaffolds through Intramolecular Hydrogen Bonds: Solid-State Fluorescence Materials and Turn-On Type Probes Based on Aggregation-Induced Emission. <i>ChemPlusChem</i> , 2014, 79, 536-545.	1.3	30

#	ARTICLE	IF	CITATIONS
19	Molecular beam epitaxy of high-quality CuI thin films on a low temperature grown buffer layer. Applied Physics Letters, 2020, 116, .	1.5	29
20	Mechanochromic fluorescence based on a combination of acceptor and bulky donor moieties: tuning emission color and regulating emission change direction. New Journal of Chemistry, 2019, 43, 4998-5010.	1.4	28
21	fac-Tris(2-phenylpyridine)iridium (III)s, covalently surrounded by six bulky host dendrons, for a highly efficient solution-processed organic light emitting device. Organic Electronics, 2011, 12, 2103-2110.	1.4	24
22	Modulating Photo- and Electroluminescence in a Stimuli-Responsive π -Conjugated Donor-Acceptor Molecular System. Angewandte Chemie, 2018, 130, 12158-12162.	1.6	22
23	Selenium Substitution Enhances Reverse Intersystem Crossing in a Delayed Fluorescence Emitter. Journal of Physical Chemistry C, 2020, 124, 6364-6370.	1.5	22
24	Exciplex emissions derived from exceptionally long-distance donor and acceptor molecules. Chemical Science, 2019, 10, 9203-9208.	3.7	20
25	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.	2.2	17
26	Multilayered Organic Light-Emitting Devices by Solution-Process. Journal of Photopolymer Science and Technology = [Fotoporima Konwakai Shi], 2013, 26, 403-410.	0.1	14
27	Room-Temperature Phosphorescence from a Series of π -Pyridylcarbazole Derivatives. Chemistry - A European Journal, 2019, 25, 16294-16300.	1.7	12
28	Regulation of Multicolor Fluorescence Changes Found in Donor-Acceptor-Type Mechanochromic Fluorescent Dyes. Chemistry - an Asian Journal, 2021, 16, 2136-2145.	1.7	12
29	Energy Transfer from Blue-Emitting CsPbBr ₃ Perovskite Nanocrystals to Green-Emitting CsPbBr ₃ Perovskite Nanocrystals. Journal of Physical Chemistry C, 2021, 125, 19368-19373.	1.5	11
30	High-Crystallinity π -Conjugated Small Molecules Based on Thienylene-Vinylene-Thienylene: Critical Role of Self-Organization in Photovoltaic, Charge-Transport, and Morphological Properties. ACS Applied Materials & Interfaces, 2018, 10, 42756-42765.	4.0	8
31	Synthesis of Anthracene Derivatives with Azaacene-Containing Iptycene Wings and the Utilization as a Dopant for Solution-Processed Organic Light-Emitting Diodes. Chemistry - A European Journal, 2019, 25, 15565-15571.	1.7	6
32	Organic Light-Emitting Devices: Instant Low-Temperature Cross-Linking of Poly(N-vinylcarbazole) for Solution-Processed Multilayer Blue Phosphorescent Organic Light-Emitting Devices (Adv. Mater.) Tj ETQq0 0 0 rgBT1/Overlock 210 Tf 50 2		
33	57-Invited Paper: Solution-Processed Electron Transporting Layer and Interface Characterization in Organic Light Emitting Diodes. Digest of Technical Papers SID International Symposium, 2017, 48, 849-852.	0.1	2
34	Instant Low-Temperature Cross-Linking Poly(N-vinylcarbazole) for Solution-Processed Multilayer Organic Light-Emitting Devices. , 2014, , .		0
35	Low-Molecular-Weight Materials: Wet Processing. , 2021, , 1-16.		0