

Takeshi Komino

List of Publications by Year in descending order

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331538

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42
all docs

42
docs citations

42
times ranked

3290
citing authors

#	ARTICLE	IF	CITATIONS
1	Purely organic electroluminescent material realizing 100% conversion from electricity to light. Nature Communications, 2015, 6, 8476.	5.8	799
2	High-efficiency electroluminescence and amplified spontaneous emission from a thermally activated delayed fluorescent near-infrared emitter. Nature Photonics, 2018, 12, 98-104.	15.6	421
3	Triplet Exciton Confinement in Green Organic Light-Emitting Diodes Containing Luminescent Charge-Transfer Cu(I) Complexes. Advanced Functional Materials, 2012, 22, 2327-2336.	7.8	279
4	Highly Efficient Thermally Activated Delayed Fluorescence from an Excited-State Intramolecular Proton Transfer System. ACS Central Science, 2017, 3, 769-777.	5.3	148
5	High performance from extraordinarily thick organic light-emitting diodes. Nature, 2019, 572, 502-506.	13.7	136
6	Selectively Controlled Orientational Order in Linear-Shaped Thermally Activated Delayed Fluorescent Dopants. Chemistry of Materials, 2014, 26, 3665-3671.	3.2	103
7	Blue organic light-emitting diodes realizing external quantum efficiency over 25% using thermally activated delayed fluorescence emitters. Scientific Reports, 2017, 7, 284.	1.6	88
8	Suppression of Efficiency Roll-Off Characteristics in Thermally Activated Delayed Fluorescence Based Organic Light-Emitting Diodes Using Randomly Oriented Host Molecules. Chemistry of Materials, 2013, 25, 3038-3047.	3.2	84
9	Electroluminescence from completely horizontally oriented dye molecules. Applied Physics Letters, 2016, 108, .	1.5	73
10	Highly efficient bulk heterojunction photovoltaic cells based on C70 and tetraphenyl dibenzoperiflanthene. Applied Physics Letters, 2013, 102, 143304.	1.5	66
11	Organic light emitting diodes with horizontally oriented thermally activated delayed fluorescence emitters. Journal of Materials Chemistry C, 2017, 5, 1216-1223.	2.7	51
12	Hydrogen bond-modulated molecular packing and its applications in high-performance non-doped organic electroluminescence. Materials Horizons, 2020, 7, 2734-2740.	6.4	51
13	Dependence of the Amplified Spontaneous Emission Threshold in Spirofluorene Thin Films on Molecular Orientation. Journal of Physical Chemistry C, 2011, 115, 19890-19896.	1.5	38
14	Enhanced Electrical Properties and Air Stability of Amorphous Organic Thin Films by Engineering Film Density. Journal of Physical Chemistry Letters, 2017, 8, 5891-5897.	2.1	38
15	Tunable and flexible solvent-free liquid organic distributed feedback lasers. Applied Physics Letters, 2015, 106, .	1.5	33
16	The fabrication method of unsubstituted planar phthalocyanine thin films by a spin-coating technique. Thin Solid Films, 2009, 518, 688-691.	0.8	30
17	Simple Molecular-Engineering Approach for Enhancing Orientation and Outcoupling Efficiency of Thermally Activated Delayed Fluorescent Emitters without Red-Shifting Emission. ACS Applied Materials & Interfaces, 2018, 10, 43842-43849.	4.0	30
18	Highly efficient bulk heterojunction photovoltaic cell based on tris[4-(5-phenylthiophen-2-yl)phenyl]amine and C70 combined with optimized electron transport layer. Applied Physics Letters, 2013, 102, .	1.5	29

#	ARTICLE	IF	CITATIONS
19	Comparison of small amounts of polycrystalline donor materials in C70-based bulk heterojunction photovoltaics and optimization of dinaphthothienothiophene based photovoltaic. <i>Organic Electronics</i> , 2014, 15, 878-885.	1.4	24
20	Enhanced Electroluminescence from Organic Light-Emitting Diodes with an Organic-Inorganic Perovskite Host Layer. <i>Advanced Materials</i> , 2018, 30, e1802662.	11.1	22
21	The Electroluminescence Spectrum of Chlorophylla. <i>Chemistry Letters</i> , 2005, 34, 948-949.	0.7	21
22	Real-Time Measurement of Molecular Orientational Randomization Dynamics during Annealing Treatments by In-Situ Ellipsometry. <i>Journal of Physical Chemistry C</i> , 2012, 116, 11584-11588.	1.5	21
23	Horizontal molecular orientation of light-emitting oligofluorenes in spin-coated glassy organic thin films. <i>Journal of Materials Chemistry C</i> , 2016, 4, 11557-11565.	2.7	15
24	Droplet Manipulation by an External Electric Field for Crystalline Film Growth. <i>Langmuir</i> , 2013, 29, 9592-9597.	1.6	14
25	Dipole orientation analysis without optical simulation: application to thermally activated delayed fluorescence emitters doped in host matrix. <i>Scientific Reports</i> , 2017, 7, 8405.	1.6	10
26	Reorganization of the molecular orientation at the organic/substrate interface in spirofluorene thin films. <i>Chemical Physics Letters</i> , 2013, 563, 70-75.	1.2	9
27	Influence of deposition substrate temperature on the morphology and molecular orientation of chloroaluminum phthalocyanine films as well the performance of organic photovoltaic cells. <i>Nanotechnology</i> , 2015, 26, 405202.	1.3	9
28	06 - 16 THz band spectroscopy of organic thermally activated delayed fluorescence materials. <i>Optical Materials Express</i> , 2016, 6, 3045.	1.6	8
29	Surface Segregation of a Star-Shaped Polyhedral Oligomeric Silsesquioxane in a Polymer Matrix. <i>Langmuir</i> , 2020, 36, 9960-9966.	1.6	7
30	A Relationship between Molecular Orientation and Current-Voltage Characteristics in Poly(3-hexylthiophene) Thin Film. <i>Chemistry Letters</i> , 2008, 37, 690-691.	0.7	6
31	A Voltage-Induced Transition of Hemin in BIODE (Biomolecular Light-Emitting Diode). <i>Bulletin of the Chemical Society of Japan</i> , 2006, 79, 549-554.	2.0	4
32	An attempt to measure simultaneously molecular orientation and current-voltage characteristics in thin films. <i>Thin Solid Films</i> , 2008, 517, 1358-1361.	0.8	4
33	Community Resilience. <i>Ecumenical Review</i> , 2014, 66, 324-329.	0.1	4
34	In-Plane Anisotropic Molecular Orientation of Pentafluorene and Its Application to Linearly Polarized Electroluminescence. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 27054-27061.	4.0	4
35	Accumulated charge measurement using a substrate with a restricted-bottom-electrode structure. <i>Organic Electronics</i> , 2019, 74, 251-257.	1.4	4
36	Accumulated Charge Measurement: Control of the Interfacial Depletion Layer by Offset Voltage and Estimation of Band Gap and Electron Injection Barrier. <i>Journal of Physical Chemistry C</i> , 2021, 125, 1990-1998.	1.5	4

#	ARTICLE	IF	CITATIONS
37	Whispering gallery modes in bowl-shaped stilbene microresonators. Journal of Luminescence, 2022, 243, 118654.	1.5	3
38	Mode Coupling of Whispering Gallery Modes through Organic Semiconductor Thin Films. Journal of Physical Chemistry C, 2021, 125, 14940-14946.	1.5	2
39	Investigation of aggregated structures in organic light-emitting diodes: approach from solid-state NMR. , 2012, , .		0
40	THz absorption measurement and calculation of organic thermally activated delayed fluorescence materials. , 2017, , .		0
41	Invited Paper: A Chemical Structure Approach Enhancing Light Outcoupling of Dopant OLEDs and Internal Quantum Efficiency of Non-Dopant OLEDs Having Bluish TADF Emitters. Digest of Technical Papers SID International Symposium, 2019, 50, 470-473.	0.1	0