

Takeshi Komino

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

40
papers

2,088
citations

20
h-index

42
g-index

42
ext. papers

2,398
ext. citations

7.8
avg, IF

4.78
L-index

#	Paper	IF	Citations
40	Purely organic electroluminescent material realizing 100% conversion from electricity to light. <i>Nature Communications</i> , 2015 , 6, 8476	17.4	606
39	High-efficiency electroluminescence and amplified spontaneous emission from a thermally activated delayed fluorescent near-infrared emitter. <i>Nature Photonics</i> , 2018 , 12, 98-104	33.9	287
38	Triplet Exciton Confinement in Green Organic Light-Emitting Diodes Containing Luminescent Charge-Transfer Cu(I) Complexes. <i>Advanced Functional Materials</i> , 2012 , 22, 2327-2336	15.6	253
37	Highly Efficient Thermally Activated Delayed Fluorescence from an Excited-State Intramolecular Proton Transfer System. <i>ACS Central Science</i> , 2017 , 3, 769-777	16.8	103
36	High performance from extraordinarily thick organic light-emitting diodes. <i>Nature</i> , 2019 , 572, 502-506	50.4	98
35	Selectively Controlled Orientational Order in Linear-Shaped Thermally Activated Delayed Fluorescent Dopants. <i>Chemistry of Materials</i> , 2014 , 26, 3665-3671	9.6	87
34	Suppression of Efficiency Roll-Off Characteristics in Thermally Activated Delayed Fluorescence Based Organic Light-Emitting Diodes Using Randomly Oriented Host Molecules. <i>Chemistry of Materials</i> , 2013 , 25, 3038-3047	9.6	74
33	Blue organic light-emitting diodes realizing external quantum efficiency over 25% using thermally activated delayed fluorescence emitters. <i>Scientific Reports</i> , 2017 , 7, 284	4.9	71
32	Highly efficient bulk heterojunction photovoltaic cells based on C70 and tetraphenyldibenzoperiflanthene. <i>Applied Physics Letters</i> , 2013 , 102, 143304	3.4	61
31	Electroluminescence from completely horizontally oriented dye molecules. <i>Applied Physics Letters</i> , 2016 , 108, 241106	3.4	59
30	Organic light emitting diodes with horizontally oriented thermally activated delayed fluorescence emitters. <i>Journal of Materials Chemistry C</i> , 2017 , 5, 1216-1223	7.1	39
29	Dependence of the Amplified Spontaneous Emission Threshold in Spirofluorene Thin Films on Molecular Orientation. <i>Journal of Physical Chemistry C</i> , 2011 , 115, 19890-19896	3.8	33
28	Enhanced Electrical Properties and Air Stability of Amorphous Organic Thin Films by Engineering Film Density. <i>Journal of Physical Chemistry Letters</i> , 2017 , 8, 5891-5897	6.4	30
27	Highly efficient bulk heterojunction photovoltaic cell based on tris[4-(5-phenylthiophen-2-yl)phenyl]amine and C70 combined with optimized electron transport layer. <i>Applied Physics Letters</i> , 2013 , 102, 153302	3.4	29
26	Tunable and flexible solvent-free liquid organic distributed feedback lasers. <i>Applied Physics Letters</i> , 2015 , 106, 053302	3.4	28
25	The fabrication method of unsubstituted planar phthalocyanine thin films by a spin-coating technique. <i>Thin Solid Films</i> , 2009 , 518, 688-691	2.2	26
24	Simple Molecular-Engineering Approach for Enhancing Orientation and Outcoupling Efficiency of Thermally Activated Delayed Fluorescent Emitters without Red-Shifting Emission. <i>ACS Applied Materials & Interfaces</i> , 2018 , 10, 43842-43849	9.5	24

23	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	3.5	22
22	Hydrogen bond-modulated molecular packing and its applications in high-performance non-doped organic electroluminescence. <i>Materials Horizons</i> , 2020 , 7, 2734-2740	14.4	21
21	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	3.8	20
20	Enhanced Electroluminescence from Organic Light-Emitting Diodes with an Organic-Inorganic Perovskite Host Layer. <i>Advanced Materials</i> , 2018 , 30, e1802662	24	17
19	The Electroluminescence Spectrum of Chlorophylla. <i>Chemistry Letters</i> , 2005 , 34, 948-949	1.7	16
18	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	7.1	14
17	Droplet manipulation by an external electric field for crystalline film growth. <i>Langmuir</i> , 2013 , 29, 9592-74		13
16	Reorganization of the molecular orientation at the organic/substrate interface in spirofluorene thin films. <i>Chemical Physics Letters</i> , 2013 , 563, 70-75	2.5	9
15	Dipole orientation analysis without optical simulation: application to thermally activated delayed fluorescence emitters doped in host matrix. <i>Scientific Reports</i> , 2017 , 7, 8405	4.9	8
14	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	3.4	7
13	Surface Segregation of a Star-Shaped Polyhedral Oligomeric Silsesquioxane in a Polymer Matrix. <i>Langmuir</i> , 2020 , 36, 9960-9966	4	5
12	06 THz band spectroscopy of organic thermally activated delayed fluorescence materials. <i>Optical Materials Express</i> , 2016 , 6, 3045	2.6	5
11	Community Resilience. <i>Ecumenical Review</i> , 2014 , 66, 324-329	0.2	4
10	A Relationship between Molecular Orientation and Current-Voltage Characteristics in Poly(3-hexylthiophene) Thin Film. <i>Chemistry Letters</i> , 2008 , 37, 690-691	1.7	4
9	An attempt to measure simultaneously molecular orientation and current-voltage characteristics in thin films. <i>Thin Solid Films</i> , 2008 , 517, 1358-1361	2.2	4
8	In-Plane Anisotropic Molecular Orientation of Pentafluorene and Its Application to Linearly Polarized Electroluminescence. <i>ACS Applied Materials & Interfaces</i> , 2017 , 9, 27054-27061	9.5	3
7	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	5.1	3
6	Accumulated charge measurement using a substrate with a restricted-bottom-electrode structure. <i>Organic Electronics</i> , 2019 , 74, 251-257	3.5	2

5	Whispering gallery modes in bowl-shaped stilbene microresonators. <i>Journal of Luminescence</i> , 2022 , 243, 118654	3.8	1
4	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	3.8	1
3	Mode Coupling of Whispering Gallery Modes through Organic Semiconductor Thin Films. <i>Journal of Physical Chemistry C</i> , 2021 , 125, 14940-14946	3.8	1
2	33-4: Invited Paper: A Chemical Structure Approach Enhancing Light Outcoupling of Dopant OLEDs and Internal Quantum Efficiency of Non-Dopant OLEDs Having Bluish TADF Emitters. <i>Digest of Technical Papers SID International Symposium</i> , 2019 , 50, 470-473	0.5	
1	Advanced Molecular Design for Organic Light Emitting Diode Emitters Based on Horizontal Molecular Orientation and Thermally Activated Delayed Fluorescence 2021 , 295-305		