Hirohiko Fukagawa

List of Publications by Year
in descending order

62	1,660	331259 21	288905 40
papers	citations	h-index	g-index

63	63	63	2095
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Airâ€Stable Ultraâ€Flexible Organic Photonic System for Cardiovascular Monitoring. Advanced Materials Technologies, 2022, 7, .	3.0	5
2	66â€4: Understanding the Electron Injection/Transport Mechanism in OLEDs by Using a Superbase as Electron Injection Layer. Digest of Technical Papers SID International Symposium, 2022, 53, 889-892.	0.1	0
3	Electron Injection Technique for Practical Application of Flexible Organic Devices. Vacuum and Surface Science, 2021, 64, 10-15.	0.0	0
4	Comprehensive study on operational lifetime of organic light-emitting diodes: effects of molecular structure and energy transfer. Japanese Journal of Applied Physics, 2021, 60, 040902.	0.8	2
5	Unravelling the electron injection/transport mechanism in organic light-emitting diodes. Nature Communications, 2021, 12, 2706.	5.8	30
6	Understanding coordination reaction for producing stable electrode with various low work functions. Nature Communications, 2020, 11, 3700.	5.8	23
7	20â€3: Universal Method to Inject Electrons into Organic Semiconductors Utilizing Hydrogen Bonds. Digest of Technical Papers SID International Symposium, 2020, 51, 285-288.	0.1	1
8	Longâ€Lived Efficient Inverted Organic Lightâ€Emitting Diodes Developed by Controlling Carrier Injection Barrier into Emitting Layer. Advanced Optical Materials, 2020, 8, 2000506.	3.6	6
9	Universal Strategy for Efficient Electron Injection into Organic Semiconductors Utilizing Hydrogen Bonds. Advanced Materials, 2019, 31, 1904201.	11.1	20
10	Effects of Energy-Level Alignment on Characteristics of Inverted Organic Light-Emitting Diodes. ACS Applied Materials & Interfaces, 2019, 11, 21749-21755.	4.0	1
11	Pâ€169: Operationally Stable Blue Inverted OLEDs Employing Fluorescent Emitter. Digest of Technical Papers SID International Symposium, 2019, 50, 1873-1876.	0.1	0
12	Effect of Host Moieties on the Phosphorescent Spectrum of Green Platinum Complex. Molecules, 2019, 24, 454.	1.7	7
13	High-efficiency ultrapure green organic light-emitting diodes. Materials Chemistry Frontiers, 2018, 2, 704-709.	3.2	60
14	Longâ€Lived Flexible Displays Employing Efficient and Stable Inverted Organic Lightâ€Emitting Diodes. Advanced Materials, 2018, 30, e1706768.	11.1	93
15	61â€3: Demonstration of Longâ€Term Stable Emission from Inverted OLED with Imperfect Encapsulation. Digest of Technical Papers SID International Symposium, 2018, 49, 811-814.	0.1	3
16	Energy Level Alignment at Bebq2/PEI/ITO Interfaces Studied by UV Photoemission Spectroscopy. MRS Advances, 2017, 2, 2261-2266.	0.5	0
17	Operational lifetimes of organic light-emitting diodes dominated by FÃ¶rster resonance energy transfer. Scientific Reports, 2017, 7, 1735.	1.6	59
18	57â€4: Demonstration of Efficient Green OLEDs with High Color Purity. Digest of Technical Papers SID International Symposium, 2017, 48, 853-856.	0.1	0

#	Article	IF	Citations
19	High-current operation of vertical-type organic transistor with preferentially oriented molecular film. AIP Advances, 2016, 6, .	0.6	9
20	Novel Hole-Transporting Materials with High Triplet Energy for Highly Efficient and Stable Organic Light-Emitting Diodes. Journal of Physical Chemistry C, 2016, 120, 18748-18755.	1.5	46
21	47-2:Invited Paper: Oxide/Organic Semiconductor Electronics on Plastic Substrates for Flexible AMOLED Displays. Digest of Technical Papers SID International Symposium, 2016, 47, 633-636.	0.1	4
22	58-3:Invited Paper: Demonstration of Highly Efficient and Air-Stable OLED Utilizing Novel Heavy-Doping Technique. Digest of Technical Papers SID International Symposium, 2016, 47, 790-793.	0.1	5
23	Development of flexible displays using back-channel-etched In-Sn-Zn-O thin-film transistors and air-stable inverted organic light-emitting diodes. Journal of the Society for Information Display, 2016, 24, 3-11.	0.8	20
24	Key Materials for Highly Stable Phosphorescent Organic Light-Emitting Diodes with Reduced Amount of Emitter. Journal of Photopolymer Science and Technology = [Fotoporima Konwakai Shi], 2015, 28, 341-342.	0.1	0
25	46.4: Effects of Electron Injection Layer on Storage and Operational Stability of Airâ€Stable OLEDs. Digest of Technical Papers SID International Symposium, 2015, 46, 696-699.	0.1	5
26	65.3: Development of Flexible Displays using Backâ€Channelâ€Etched Inâ€“Snâ€“Znâ€“O TFTs and Airâ€Stable Inverted OLEDs. Digest of Technical Papers SID International Symposium, 2015, 46, 969-972.	0.1	5
27	Highly efficient and stable organic light-emitting diodes with a greatly reduced amount of phosphorescent emitter. Scientific Reports, 2015, 5, 9855.	1.6	62
28	Oxide thin-film transistor technology for flexible organic light-emitting diode displays. , 2015, , .		1
29	Highly efficient and air-stable inverted organic light-emitting diode composed of inert materials. Applied Physics Express, 2014, 7, 082104.	1.1	64
30	Flexible AMOLED display using an oxide-TFT backplane and inverted OLEDs. , 2014, , .		1
31	Development of 8â€in. oxideâ€TFTâ€driven flexible AMOLED display using highâ€performance red phosphorescent OLED. Journal of the Society for Information Display, 2014, 22, 137-143.	0.8	20
32	Pâ€154: Fabrication of 8â€inch VGA Flexible Display Using Airâ€Stable Inverted OLED. Digest of Technical Papers SID International Symposium, 2014, 45, 1561-1564.	0.1	11
33	Highly Efficient and Stable Phosphorescent Organic Lightâ€Emitting Diodes Utilizing Reverse Intersystem Crossing of the Host Material. Advanced Optical Materials, 2014, 2, 1070-1075.	3.6	36
34	P.140L: Lateâ€News Poster: Highly Efficient Inverted OLED with Airâ€Stable Electron Injection Layer. Digest of Technical Papers SID International Symposium, 2013, 44, 1466-1469.	0.1	10
35	Direct Observation of Efficient Tripletâ€“Triplet Energy Transfer in Phosphorescent Organic Light-Emitting Diode. Applied Physics Express, 2013, 6, 052104.	1.1	9
36	Experimental Reorganization Energies of Pentacene and Perfluoropentacene: Effects of Perfluorination. Journal of Physical Chemistry C, 2013, 117, 22428-22437.	1.5	53

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37	Molecular design of hole-transporting material for efficient and stable green phosphorescent organic light-emitting diodes. Applied Physics Letters, 2013, 103, .	1.5	15
38	Paper No 10.4: Oxideâ€TFTâ€“Driven Flexible Display Using Highly Efficient Phosphorescent OLED. Digest of Technical Papers SID International Symposium, 2013, 44, 206-209.	0.1	0
39	Flexible Active-Matrix Organic Light-Emitting Diode Display Using Air-Stable Organic Semiconductor of $hbox{Dinaphtho}[hbox{2}, hbox{3}hbox{-b}: hbox{2}^{ prime}, hbox{3}^{prime} hbox{-f}]hbox{thieno}[hbox{3}, hbox{2} hbox{-b}] hbox{-} hbox{thiophene}$. IEEE Transactions on Electron Devices, 2012, 59, 3442-3449.	1.6	47
40	Highly Efficient and Stable Red Phosphorescent Organic Lightâ€Emitting Diodes Using Platinum Complexes. Advanced Materials, 2012, 24, 5099-5103.	11.1	160
41	20.4: An 8â€in. Oxideâ€TFTâ€Driven Flexible AMOLED Display with Solutionâ€Processed Insulators. Digest of Technical Papers SID International Symposium, 2012, 43, 271-274.	0.1	18
42	Anthracene derivatives as efficient emitting hosts for blue organic light-emitting diodes utilizing tripletâ€“triplet annihilation. Organic Electronics, 2012, 13, 1197-1203.	1.4	112
43	Charge Reorganization Energy and Small Polaron Binding Energy of Rubrene Thin Films by Ultraviolet Photoelectron Spectroscopy. Advanced Materials, 2012, 24, 901-905.	11.1	65
44	Improvement in image quality of a 5.8â€in. OTFTâ€driven flexible AMOLED display. Journal of the Society for Information Display, 2011, 19, 94-99.	0.8	7
45	Lowâ€temperature fabrication of 5â€in. QVGA flexible AMOLED display driven by OTFTs using olefin polymer as the gate insulator. Journal of the Society for Information Display, 2011, 19, 861-866.	0.8	11
46	16.4: Lowâ€Temperature Fabrication of Flexible AMOLED Displays Using Oxide TFTs with Polymer Gate Insulators. Digest of Technical Papers SID International Symposium, 2011, 42, 202-205.	0.1	17
47	Simply structured, deep-blue phosphorescent organic light-emitting diode with bipolar host material. Organic Electronics, 2011, 12, 1638-1643.	1.4	17
48	New Driving Scheme to Improve Hysteresis Characteristics of Organic Thin Film Transistor-Driven Active-Matrix Organic Light Emitting Diode Display. Japanese Journal of Applied Physics, 2011, 50, 024201.	0.8	1
49	Characteristics of OTFTs Using Olefin-polymer Gate Insulator and Their Application to a 5-in. OTFT-driven Flexible AMOLED Display. Materials Research Society Symposia Proceedings, 2011, 1287, 1.	0.1	3
50	New Driving Scheme to Improve Hysteresis Characteristics of Organic Thin Film Transistor-Driven Active-Matrix Organic Light Emitting Diode Display. Japanese Journal of Applied Physics, 2011, 50, 024201.	0.8	0
51	Pyridoindole Derivative as Electron Transporting Host Material for Efficient Deepâ€blue Phosphorescent Organic Lightâ€emitting Diodes. Advanced Materials, 2010, 22, 4775-4778.	11.1	76
52	Low-density band-gap states in pentacene thin films probed with ultrahigh-sensitivity ultraviolet photoelectron spectroscopy. Applied Physics Letters, 2009, 95, .	1.5	128
53	Fabrication of High Performance Organic Thin Film Transistor Arrays and Application to 5-inch Flexible Displays. Materials Research Society Symposia Proceedings, 2009, 1196, 52.	0.1	0
54	Efficient white organic light emitting diodes with solution processed and vacuum deposited emitting layers. Organic Electronics, 2009, 10, 798-802.	1.4	30

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55	6 inch-flexible AM-OLED moving image display. , 2009, , .		3
56	A 5.8â€in. phosphorescent color AMOLED display fabricated by inkâ€jet printing on plastic substrate. Journal of the Society for Information Display, 2009, 17, 1037-1042.	0.8	30
57	Fabrication of 5.8â€in. OTFTâ€driven flexible color AMOLED display using dual protection scheme for organic semiconductor patterning. Journal of the Society for Information Display, 2009, 17, 629-634.	0.8	35
58	Observation of a temperature-dependent transition of a copper-phthalocyanine thin film adsorbed on HOPG. Chemical Physics Letters, 2008, 451, 43-47.	1.2	24
59	Role of intrinsic band-gap states for the energy level alignment at weakly interacting organic-conductor interfaces: gap states versus band dispersion in pentacene thin films. Proceedings of SPIE, 2007, , .	0.8	1
60	Spectroscopic evidence of strongÏ€âˆ—Ï€interorbital interaction in a lead-phthalocyanine bilayer film attributed to the dimer nanostructure. Physical Review B, 2007, 75, .	1.1	49
61	The Role of the Ionization Potential in Vacuum-Level Alignment at Organic Semiconductor Interfaces. Advanced Materials, 2007, 19, 665-668.	11.1	127
62	UPS study of VUV-photodegradation of polytetrafluoroethylene (PTFE) ultrathin film by using synchrotron radiation. Nuclear Instruments & Methods in Physics Research B, 2005, 236, 377-382.	0.6	12