Takeshi Fukuda

List of Publications by Year in descending order

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		623734	677142
94	745	14	22
papers	citations	h-index	g-index

95	95	95	868
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Magnetic Properties of One- and Two-Dimensional Functional Materials: Oxygen Molecules Encapsulated in Single-Walled Carbon Nanotubes and Copper Ions Embedded into Phthalocyanine Sheets. Open Chemistry Journal, 2019, 6, 27-33.	4.3	3
2	Quantum-dot antibody conjugation visualized at the single-molecule scale with high-speed atomic force microscopy. Colloids and Surfaces B: Biointerfaces, 2018, 167, 267-274.	5.0	11
3	Nonradiative recombination centers in GaAs:N Î´-doped superlattice revealed by two-wavelength-excited photoluminescence. Journal of Applied Physics, 2018, 123, 161426.	2.5	3
4	Electrospray-deposited vanadium oxide anode interlayers for high-efficiency organic solar cells. Organic Electronics, 2018, 57, 239-246.	2.6	5
5	Impact on electronic structure of donor/acceptor blend in organic photovoltaics by decontamination of molybdenum-oxide surface. Journal of Applied Physics, 2018, 123, 205501.	2.5	0
6	Thermalâ€toâ€Electrical Energy Conversion Cell with Solâ€“Gelâ€Derived Tïï£¿Snâ€Organic Composite Operated without Temperature Difference. Physica Status Solidi (A) Applications and Materials Science, 2018, 215, 1800084.	1.8	0
7	Magnetic Properties of One- and Two-Dimensional Functional Materials: Oxygen Molecules Encapsulated in Single-Walled Carbon Nanotubes and Copper Ions Embedded into Phthalocyanine Sheets. Current Inorganic Chemistry, 2018, 08, .	0.2	0
8	Study of Electron Transport Layer in Organic Photovoltaic Cell on Flexible Substrate. IEEJ Transactions on Fundamentals and Materials, 2018, 138, 428-434.	0.2	0
9	Phthalocyanine based metal containing porous carbon sheet. Applied Physics Letters, 2017, 110, .	3.3	13
10	Quantum dot-linked immunosorbent assay (QLISA) using orientation-directed antibodies. Journal of Pharmaceutical and Biomedical Analysis, 2017, 143, 110-115.	2.8	19
11	Improved performance of organic photovoltaic cells with PTB7-Th:PC71 BM by optimized solvent evaporation time in electrospray deposition. Organic Electronics, 2017, 48, 96-105.	2.6	21
12	Surface magnetism of exfoliated Î±-Co hydroxide nanosheets. Journal of Physics and Chemistry of Solids, 2017, 107, 14-17.	4.0	2
13	Highly efficient organic photovoltaic cells fabricated by electrospray deposition using a nonâ€halogenated solution. Physica Status Solidi (A) Applications and Materials Science, 2017, 214, 1600536.	1.8	10
14	Effect of optical intensity distribution on device performances of PTB7-Th:PC71BM-based organic photovoltaic cells. Organic Electronics, 2017, 51, 76-85.	2.6	16
15	Influence of annealing temperature for ZnO layer on photoconversion efficiency of organic devices. Molecular Crystals and Liquid Crystals, 2017, 653, 182-187.	0.9	1
16	Evaluation of CdSe/ZnS quantum dotâ€“half anti CD3 antibodyâ€“conjugate using confocal laser scanning microscopy. Molecular Crystals and Liquid Crystals, 2017, 653, 177-181.	0.9	1
17	Inverted Organic Photovoltaic Cell with ZnO Nanorod Structure. Electrochemistry, 2017, 85, 249-252.	1.4	3
18	Quantum Dot Light-Emitting Diode with Ligand-Exchanged ZnCuInS₂ Quantum Dot. IEICE Transactions on Electronics, 2017, E100.C, 943-948.	0.6	0

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19	Effect of Optical Intensity Distribution on Conversion Efficiency of Inverted Organic Photovoltaic Cell. IEICE Transactions on Electronics, 2017, E100.C, 114-117.	0.6	2
20	Impedance Spectroscopy for Annealing-Induced Change of Molybdenum Oxide in Organic Photovoltaic Cell. Advances in Materials Physics and Chemistry, 2017, 07, 323-333.	0.7	2
21	Improved Morphology of Poly(3,4-ethylenedioxythiophene):Poly(styrenesulfonate) Thin Films for All-Electrospray-Coated Organic Photovoltaic Cells. Advances in Materials Science and Engineering, 2016, 2016, 1-8.	1.8	3
22	Effect of annealing-induced oxidation of molybdenum oxide on organic photovoltaic device performance. Organic Electronics, 2016, 37, 126-133.	2.6	10
23	Molecular ordering of spin-coated and electrosprayed P3HT:PCBM thin films and their applications to photovoltaic cell. Thin Solid Films, 2016, 612, 373-380.	1.8	24
24	Preparation and magnetic properties of phthalocyanine-based carbon materials containing transition metals. Journal of Applied Physics, 2016, 120, 024902.	2.5	1
25	Two-wavelength excited photoluminescence in 4H-SiC substrate -dependence on BGE power density-. , 2016, , .		0
26	Vertically graded organic photovoltaic cells using alternative intermittent electrospray co-deposition. , 2016, , .		1
27	Optical characterization of carrier recombination processes in GaPN by two-wavelength excited photoluminescence. , 2016, , .		0
28	Precise Fractionation of CdSe/ZnS Quantum Dot-Organic-Dye Conjugates Using a Gel Filtration Column. Analytical Sciences, 2016, 32, 529-534.	1.6	2
29	Non-radiative recombination centers in AlGaN quantum well characterized by two-wavelength excited photoluminescence. , 2016, , .		0
30	Optical and electrical characteristics of solvent-extracted and anisole-insoluble dyes obtained from coal tar pitch. Molecular Crystals and Liquid Crystals, 2016, 636, 117-121.	0.9	1
31	Spectroscopic study of P3HT:PCBM deposited by electrospray deposition. Polymer Bulletin, 2016, 73, 2457-2462.	3.3	1
32	Controlled donor-accepter ratio for application of organic photovoltaic cells by alternative intermittent electrospray co-deposition. Organic Electronics, 2016, 33, 32-39.	2.6	12
33	A direct evidence of allocating yellow luminescence band in undoped GaN by two-wavelength excited photoluminescence. Applied Physics Letters, 2015, 107, .	3.3	19
34	Nonradiative centers in deepâ€UV AlGaNâ€based quantum wells revealed by twoâ€wavelength excited photoluminescence. Physica Status Solidi (B): Basic Research, 2015, 252, 936-939.	1.5	10
35	Crystal Structure of the Spin 1/2 Honeycomb-Lattice Antiferromagnet Cu₂(pymca)₃(ClO₄). Journal of the Physical Society of Japan, 2015, 84, 034601.	1.6	8
36	Improved Photobleaching for (1,10-phenanthroline)tris[4,4,4-trifluoro-1-(2-thienyl)-1,3-butanedionato]europium(III) Particle Embedded in Sol-Gel Derived Glass Film. Molecular Crystals and Liquid Crystals, 2015, 621, 136-141.	0.9	3

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37	Improved Crystallinity of Poly(3-hexylthiophene-2,5-diyl):[6,6]-Phenyl-C61Butyric Acid Methyl Ester Film by Pulsed Electrospray Deposition. Molecular Crystals and Liquid Crystals, 2015, 621, 124-128.	0.9	3
38	Nonradiative centers in Ba3Si6O12N2:Eu2+ phosphors observed by the below-gap excitation method. Materials Letters, 2015, 145, 158-161.	2.6	7
39	Electrosprayed Molybdenum Trioxide Aqueous Solution and Its Application in Organic Photovoltaic Cells. PLoS ONE, 2014, 9, e106012.	2.5	6
40	Phthalocyanine Nano Colloids in Water Prepared by Reprecipitation Method. Transactions of the Materials Research Society of Japan, 2014, 39, 71-74.	0.2	0
41	Real-time monitoring of chemical reaction in microdroplet using fluorescence spectroscopy. Sensors and Actuators B: Chemical, 2014, 203, 536-542.	7.8	12
42	Effect of solvent evaporation on the selfâ€assembly of poly(3â€hexylthiopheneâ€2,5â€diyl) and on the film morphology during electrospray deposition. Physica Status Solidi - Rapid Research Letters, 2014, 8, 154-157.	2.4	8
43	High crystallinity parameter poly(3-hexylthiophene-2,5-diyl) thin film fabricated by the electrospray deposition method. Thin Solid Films, 2014, 554, 132-136.	1.8	12
44	Room temperature ferromagnetism in a phthalocyanine based carbon material. Journal of Applied Physics, 2014, 115, 054306.	2.5	2
45	Optical detection of nonradiative recombination centers in AlGaN quantum wells for deep UV region. Physica Status Solidi C: Current Topics in Solid State Physics, 2014, 11, 832-835.	0.8	15
46	Influence of spray conditions on droplet charge per unit volume for electrospray deposition. Journal of Aerosol Science, 2014, 77, 38-49.	3.8	10
47	Effects of Substituents on the Size of Water-Dispersible Phthalocyanine Colloids Synthesized by Reprecipitation. Molecular Crystals and Liquid Crystals, 2014, 592, 218-228.	0.9	1
48	Diameter control of ultrathin zinc oxide nanofibers synthesized by electrospinning. Nanoscale Research Letters, 2014, 9, 267.	5.7	13
49	CdSe/ZnS Quantum Dots Conjugated with a Fluorescein Derivative: a FRET-based pH Sensor for Physiological Alkaline Conditions. Analytical Sciences, 2014, 30, 545-550.	1.6	21
50	Fabrication and characterization of Zn3V2O8 phosphor by solâ€“gel process. Journal of Sol-Gel Science and Technology, 2013, 66, 225-230.	2.4	3
51	Number controllable active microdroplet merging with wide range of volume for digital chemical synthesis. , 2013, , .		1
52	Improved Signal-to-Noise Ratio of Green-Sensitive Organic Photoconductive Device by Doping Silole Derivative. Molecular Crystals and Liquid Crystals, 2013, 578, 119-126.	0.9	2
53	Ultrafast study of charge generation and device performance of a silole-doped fluorene-mixed layer for blue-sensitive organic photoconductive devices. Physica Status Solidi (A) Applications and Materials Science, 2013, 210, 2674-2682.	1.8	3
54	Insertion of fullerene layer for bulk heterojunction organic photovoltaic cell fabricated by electrospray deposition method. Physica Status Solidi - Rapid Research Letters, 2013, 7, 1055-1058.	2.4	11

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55	Reduced Surface Roughness of P3HT: PCBM Thin Films with Different Ratios by Electrospray Deposition Methods. IEICE Transactions on Electronics, 2013, E96.C, 362-364.	0.6	0
56	Preparation of Fullerene Derivative Thin Films by Electrospray Deposition Method. Journal of the Japan Society for Precision Engineering, 2013, 79, 170-175.	0.1	0
57	Doping Effect of Ethylcarbazole-Contained-Silole in Blue-Sensitive Organic Photoconductive Device. Molecular Crystals and Liquid Crystals, 2012, 566, 54-60.	0.9	2
58	Solution-Processed Green-Sensitive Organic Photoconductive Device Using Rhodamine 6G. Molecular Crystals and Liquid Crystals, 2012, 566, 67-74.	0.9	8
59	Improved Power Conversion Efficiency of Organic Photovoltaic Cell Fabricated by Electrospray Deposition Method by Mixing Different Solvents. Japanese Journal of Applied Physics, 2012, 51, 02BK12.	1.5	18
60	Magnetic Field-Induced Phase Transitions in theS=1/2 Two-Leg Spin-Ladder Material Cu(DEP)Br₂. Journal of the Physical Society of Japan, 2012, 81, 113710.	1.6	3
61	Doping Effect of Silole Derivative in Coumarin 30 Photoconductive Film. Molecular Crystals and Liquid Crystals, 2012, 568, 74-81.	0.9	4
62	Improved opticalâ€toâ€electrical conversion efficiency by doping silole derivative with low ionization potential. Physica Status Solidi (A) Applications and Materials Science, 2012, 209, 2324-2329.	1.8	7
63	Photodegradation characteristics of solâ€“gel-derived glass-coated Eu-complex fabricated by solvothermal process using several silane alkoxides and solvents. Optical Materials, 2012, 35, 5-11.	3.6	3
64	Real-time ellipsometric characterization of the initial growth stage of poly(3,4-ethylenedioxythiophene):poly(styrene sulfonate) films by electrospray deposition using N,N-dimethylformamide solvent solution. Journal of Non-Crystalline Solids, 2012, 358, 2520-2524.	3.1	8
65	Improved Power Conversion Efficiency of Organic Photovoltaic Cell Fabricated by Electrospray Deposition Method by Mixing Different Solvents. Japanese Journal of Applied Physics, 2012, 51, 02BK12.	1.5	11
66	Blue-Sensitive Organic Photoconductive Device with MDMO-PPV Doped F8BT Layer. Molecular Crystals and Liquid Crystals, 2011, 539, 202/[542]-209/[549].	0.9	3
67	Red-Sensitive Organic Photoconductive Device Using Soluble Ni-Phthalocyanine. IEICE Transactions on Electronics, 2011, E94-C, 187-189.	0.6	4
68	Surface morphology of fluorene thin film fabricated by electrospray deposition technique using two organic solvents: Application for organic light-emitting diodes. Thin Solid Films, 2011, 520, 600-605.	1.8	43
69	Bulk heterojunction organic photovoltaic cell fabricated by the electrospray deposition method using mixed organic solvent. Physica Status Solidi - Rapid Research Letters, 2011, 5, 229-231.	2.4	45
70	Ultrafast study of charge generation in silole:fluorene mixed film for color selective organic photoconductive device. Physica Status Solidi C: Current Topics in Solid State Physics, 2011, 8, 589-591.	0.8	0
71	Depth profile characterization of spin-coated poly(3,4-ethylenedioxythiophene): poly(styrene sulfonic) Tj ETQq1 1 0.784314 rgBT /Ov State Physics, 2011, 8, 3025-3028.	0.8	3
72	Real-Time Ellipsometric Characterization of Initial Growth Stage of Poly(3,4-ethylene) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 67 Td (dioxy Applied Physics, 2011, 50, 081603.	1.5	7

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73	Improved Optical Degradation Characteristics of Eu Complex Encapsulated by High-Pressure Annealing. Japanese Journal of Applied Physics, 2011, 50, 01BF02.	1.5	3
74	Improved Optical Degradation Characteristics of Eu Complex Encapsulated by High-Pressure Annealing. Japanese Journal of Applied Physics, 2011, 50, 01BF02.	1.5	0
75	Real-Time Ellipsometric Characterization of Initial Growth Stage of Poly(3,4-ethylene) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 6 Applied Physics, 2011, 50, 081603.	1.5	2
76	Improved Photoconductive Characteristics of Solution-Processed Organic Device by Doping Silole Derivative. Molecular Crystals and Liquid Crystals, 2010, 519, 206-212.	0.9	9
77	Improvements in Photoconductive Characteristics of Organic Device Using Silole Derivative. Japanese Journal of Applied Physics, 2010, 49, 01AC05.	1.5	9
78	Wavelength-Selectivity of Organic Photoconductive Devices by Solution Process. Japanese Journal of Applied Physics, 2009, 48, 04C162.	1.5	19
79	pH and concentration dependence of luminescent characteristics in glass-encapsulated Eu-complex. Journal of Sol-Gel Science and Technology, 2009, 50, 409-414.	2.4	4
80	Improved stability of organicâ€“inorganic composite emitting film with solâ€“gel glass encapsulated Eu-complex. Optical Materials, 2009, 32, 207-211.	3.6	7
81	Transient characteristics of organic light-emitting diodes with efficient energy transfer in emitting material. Thin Solid Films, 2009, 518, 567-570.	1.8	6
82	Organic photoconductive device fabricated by electrospray deposition method. Thin Solid Films, 2009, 518, 575-578.	1.8	40
83	Wavelength conversion film with glass coated Eu chelate for enhanced silicon-photovoltaic cell performance. Optical Materials, 2009, 32, 22-25.	3.6	41
84	Stability of solâ€“gel derived glass coated Eu complex using deuterated methanol. Physica Status Solidi - Rapid Research Letters, 2009, 3, 296-298.	2.4	7
85	Thermal stability of europium(III) chelate encapsulated by solâ€“gel glass. Journal of Alloys and Compounds, 2009, 480, 908-911.	5.5	5
86	Read-Out Frequency Response of Solution-Processed Organic Photoconductive Devices. Molecular Crystals and Liquid Crystals, 2009, 504, 212-222.	0.9	7
87	Improvement in Durability of Red Phosphor Encapsulated by Sol-Gel Glass for Use in White Light-Emitting Diodes. Journal of Light and Visual Environment, 2009, 33, 82-87.	0.2	2
88	Fastâ€response organicâ€“inorganic hybrid lightâ€emitting diode. Physica Status Solidi - Rapid Research Letters, 2008, 2, 290-292.	2.4	11
89	Enhanced Modulation Speed of Tris(8-hydroxyquinoline)aluminum-Based Organic Light Source with Low-Work-Function Electrode. Japanese Journal of Applied Physics, 2007, 46, 7880-7884.	1.5	11
90	Transient property of optically pumped organic film of different fluorescence lifetimes. Applied Physics Letters, 2007, 90, 231105.	3.3	12

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91	Transient response of blue organic electroluminescence devices with short fluorescence lifetime of substituted phenyl/vinyl compound as an emissive layer. Optics Letters, 2007, 32, 1150.	3.3	8
92	Influence of carrier-injection efficiency on modulation rate of organic light source. Optics Letters, 2007, 32, 1905.	3.3	11
93	Organic solid laser pumped by an organic light-emitting diode. Optics Express, 2006, 14, 9436.	3.4	23
94	Fast-Response Organic Light-Emitting Diode for Interactive Optical Communication. , 0, , .		2