

Hiroyoshi Naito

List of Publications by Year in descending order

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papers

4,758
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117625

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docs citations

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times ranked

4283
citing authors

#	ARTICLE	IF	CITATIONS
1	Efficient Skin Temperature Sensor and Stable Gel-Less Sticky ECG Sensor for a Wearable Flexible Healthcare Patch. <i>Advanced Healthcare Materials</i> , 2017, 6, 1700495.	7.6	223
2	Control of Electrical Potential Distribution for High-Performance Perovskite Solar Cells. <i>Joule</i> , 2018, 2, 296-306.	24.0	138
3	Charge Carrier Transport in Neat Thin Films of Phosphorescent Iridium Complexes. <i>Japanese Journal of Applied Physics</i> , 2005, 44, 3691-3694.	1.5	99
4	Electrode and Interface Polarizations in Nematic Liquid Crystal Cells. <i>Japanese Journal of Applied Physics</i> , 1997, 36, 2222-2225.	1.5	87
5	Charge Injection and Generation in Nematic Liquid Crystal Cells. <i>Japanese Journal of Applied Physics</i> , 1997, 36, 773-776.	1.5	73
6	Dielectric properties of nematic liquid crystals in the ultralow frequency regime. <i>Journal of Applied Physics</i> , 1996, 80, 6396-6400.	2.5	70
7	Transient currents in nematic liquid crystals. <i>Physical Review B</i> , 1991, 43, 8272-8276.	3.2	69
8	Synthesis and Crystallochromy of 1,4,7,10-Tetraalkyltetracenes: Tuning of Solid-State Optical Properties of Tetracenes by Alkyl Side-Chain Length. <i>Chemistry - A European Journal</i> , 2010, 16, 890-898.	3.3	68
9	Determination of Charge-Carrier Mobility in Organic Light-Emitting Diodes by Impedance Spectroscopy in Presence of Localized States. <i>Japanese Journal of Applied Physics</i> , 2008, 47, 8965.	1.5	66
10	Charge carrier transport in an emissive layer of green electrophosphorescent devices. <i>Applied Physics Letters</i> , 2004, 85, 4046-4048.	3.3	64
11	Transient photocurrent in amorphous selenium and nematic liquid crystal double layers. <i>Journal of Applied Physics</i> , 1995, 78, 4533-4537.	2.5	62
12	Transient discharging processes in nematic liquid crystals. <i>Physical Review A</i> , 1991, 44, R3434-R3437.	2.5	59
13	Transient charging current in nematic liquid crystals. <i>Journal of Applied Physics</i> , 1993, 73, 1119-1125.	2.5	59
14	Chemical Functionalisation and Photoluminescence of Graphene Quantum Dots. <i>Chemistry - A European Journal</i> , 2016, 22, 8198-8206.	3.3	59
15	Conformational polymorphism and optical properties in the solid state of 1,4,7,10-tetra(n-butyl)tetracene. <i>CrystEngComm</i> , 2007, 9, 644.	2.6	58
16	Counterexample to some shape equations for axisymmetric vesicles. <i>Physical Review E</i> , 1993, 48, 2304-2307.	2.1	56
17	New Solutions to the Helfrich Variation Problem for the Shapes of Lipid Bilayer Vesicles: Beyond Delaunay's Surfaces. <i>Physical Review Letters</i> , 1995, 74, 4345-4348.	7.8	52
18	Solution-Processed Dioctylbenzothienobenzothiophene-Based Top-Gate Organic Transistors with High Mobility, Low Threshold Voltage, and High Electrical Stability. <i>Applied Physics Express</i> , 2010, 3, 121601.	2.4	50

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19	Temperature dependence of photoluminescence properties in a thermally activated delayed fluorescence emitter. <i>Applied Physics Letters</i> , 2014, 104, .	3.3	48
20	Control of Effective Conjugation Length in Polyfluorene Thin Films. <i>Japanese Journal of Applied Physics</i> , 2006, 45, L247-L249.	1.5	46
21	Contributions of a Higher Triplet Excited State to the Emission Properties of a Thermally Activated Delayed-Fluorescence Emitter. <i>Physical Review Applied</i> , 2017, 7, .	3.8	45
22	Charge-carrier transport and triplet exciton diffusion in a blue electrophosphorescent emitting layer. <i>Journal of Applied Physics</i> , 2005, 97, 123512.	2.5	44
23	Determination of localized-state distributions in organic light-emitting diodes by impedance spectroscopy. <i>Applied Physics Letters</i> , 2009, 94, .	3.3	43
24	Soluble Organic Semiconductor Precursor with Specific Phase Separation for High-Performance Printed Organic Transistors. <i>Advanced Materials</i> , 2015, 27, 727-732.	21.0	43
25	Influence of injection barrier on the determination of charge-carrier mobility in organic light-emitting diodes by impedance spectroscopy. <i>Thin Solid Films</i> , 2008, 517, 1331-1334.	1.8	42
26	Determination of localized-state distributions in amorphous semiconductors from transient photoconductivity. <i>Applied Physics Letters</i> , 1994, 64, 1830-1832.	3.3	41
27	The effect of Ag on the superconductivity of Bi _{2-x} Pb _x Sr ₂ Ca ₂ Cu ₃ O _y superconductors prepared by an optimum thermal procedure. <i>Superconductor Science and Technology</i> , 1994, 7, 222-226.	3.5	39
28	High resolution measurement of localized-state distributions from transient photoconductivity in amorphous and polymeric semiconductors. <i>Journal of Applied Physics</i> , 1999, 86, 5026-5035.	2.5	39
29	Low-Temperature Processable Organic-Inorganic Hybrid Gate Dielectrics for Solution-Based Organic Field-Effect Transistors. <i>Advanced Materials</i> , 2010, 22, 4706-4710.	21.0	39
30	Discussion on the Mechanism of Reversible Phase Change Optical Recording. <i>Japanese Journal of Applied Physics</i> , 1992, 31, 466-470.	1.5	37
31	1,4,7,10-tetraalkyltetracenes: Tuning of Solid-State Optical Properties and Fluorescence Quantum Yields by Peripheral Modulation. <i>European Journal of Organic Chemistry</i> , 2010, 2010, 3033-3040.	2.4	37
32	Equilibrium shapes of smectic-A phase grown from isotropic phase. <i>Physical Review Letters</i> , 1993, 70, 2912-2915.	7.8	36
33	Device characteristics of short-channel polymer field-effect transistors. <i>Applied Physics Letters</i> , 2010, 97, .	3.3	36
34	Reversible Optical Recording Media with Ga-Se-Te System. <i>Japanese Journal of Applied Physics</i> , 1985, 24, L504-L506.	1.5	35
35	Optical properties of organic-inorganic hybrid thin films containing polysilane segments prepared from polysilane-methacrylate copolymers. <i>Journal of Organometallic Chemistry</i> , 2000, 611, 40-44.	1.8	35
36	Fabrication of $\hat{1}\pm$ - and $\hat{1}^2$ -phase poly(9,9-dioctylfluorene) thin films. <i>Thin Solid Films</i> , 2006, 509, 182-184.	1.8	34

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37	The origin of non-Drude terahertz conductivity in nanomaterials. <i>Applied Physics Letters</i> , 2012, 100, .	3.3	33
38	Bipolar carrier transport in tris(8-hydroxy-quinolinato) aluminum observed by impedance spectroscopy measurements. <i>Journal of Applied Physics</i> , 2011, 110, .	2.5	32
39	Observation of Adsorption and Desorption Processes of Impurity Ions in Nematic Liquid Crystal Cells. <i>Molecular Crystals and Liquid Crystals</i> , 1995, 263, 559-565.	0.3	31
40	Nanostructured polysilane-titania hybrids and their application to porous titania thin films. <i>Journal of Organometallic Chemistry</i> , 2003, 685, 230-234.	1.8	31
41	Optical memory characteristics of solution-processed organic transistors with self-organized organic floating gates for printable multi-level storage devices. <i>Organic Electronics</i> , 2019, 67, 109-115.	2.6	31
42	4,8-Dichloroocta-t-butyltetracyclo[3.3.0.0 ^{2,7} .0 ^{3,6}]octagermane. <i>Journal of Organometallic Chemistry</i> , 1989, 368, C1-C4.	1.8	30
43	Electroluminescent Properties of a Novel π -Conjugated Polymer, Poly[1,1-(2,3,4,5-tetraphenylsilole)]. <i>Japanese Journal of Applied Physics</i> , 1999, 38, 6915-6918.	1.5	30
44	Temperature dependence of Stokes shift in $\text{In}_x\text{Ga}_{1-x}\text{N}$ epitaxial layers. <i>Journal of Applied Physics</i> , 2003, 93, 1642-1646.	2.5	30
45	Preferred equilibrium structures of a smectic-A phase grown from an isotropic phase: Origin of focal conic domains. <i>Physical Review E</i> , 1995, 52, 2095-2098.	2.1	29
46	Dielectric Properties of Nematic Liquid Crystals in Low Frequency Regime. <i>Molecular Crystals and Liquid Crystals</i> , 1995, 262, 249-255.	0.3	29
47	Determination of charge carrier mobility in tris(8-hydroxy-quinolinato) aluminum by means of impedance spectroscopy measurements. <i>Organic Electronics</i> , 2011, 12, 1364-1369.	2.6	29
48	Transient Current Study of Ultraviolet-Light-Soaked States in n-Pentyl-p-n-Cyanobiphenyl. <i>Japanese Journal of Applied Physics</i> , 1994, 33, 5890-5891.	1.5	28
49	Polygonal shape transformation of a circular biconcave vesicle induced by osmotic pressure. <i>Physical Review E</i> , 1996, 54, 2816-2826.	2.1	28
50	Temperature Dependence of Photoluminescence Lifetime and Quantum Efficiency in Neat fac-Ir(ppy) ₃ Thin Films. <i>Japanese Journal of Applied Physics</i> , 2005, 44, 1966-1969.	1.5	28
51	Synthesis and Solid-state Optical Properties of 2,3-Dialkyl- and 2,3,8,9-Tetraalkyltetracenes. <i>Chemistry Letters</i> , 2011, 40, 58-59.	1.3	26
52	Anomalous photoinduced current transients in nematic liquid crystals. <i>Physical Review Letters</i> , 1989, 63, 555-557.	7.8	25
53	Simple analysis of transient photoconductivity for determination of localized state distributions in amorphous semiconductors using Laplace transform. <i>Journal of Applied Physics</i> , 1995, 77, 3541-3542.	2.5	25
54	Amplified spontaneous emission in $\hat{1}\pm$ -phase and $\hat{1}^2$ -phase polyfluorene waveguides. <i>Organic Electronics</i> , 2007, 8, 184-188.	2.6	25

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55	Equivalent circuits of polymer light-emitting diodes with hole-injection layer studied by impedance spectroscopy. <i>Thin Solid Films</i> , 2008, 517, 1327-1330.	1.8	25
56	High-performance and electrically stable solution-processed polymer field-effect transistors with a top-gate configuration. <i>Japanese Journal of Applied Physics</i> , 2015, 54, 011601.	1.5	25
57	Hall Effect in Bulk- δ Doped Organic Single Crystals. <i>Advanced Materials</i> , 2017, 29, 1605619.	21.0	25
58	Determination of Rotational Viscosity and Pretilt Angle in Nematic Liquid Crystals from Transient Current: Influence of Ionic Conduction. <i>Molecular Crystals and Liquid Crystals</i> , 1995, 259, 37-46.	0.3	24
59	A Deuterium Nuclear Magnetic Resonance Investigation of Field Induced Director Dynamics in a Nematic Slab Subject to Magnetic and Pulsed Electric Fields. <i>Molecular Crystals and Liquid Crystals</i> , 2000, 347, 167-178.	0.3	24
60	Localized-state distributions in molecularly doped polymers determined from time-of-flight transient photocurrent. <i>Journal of Applied Physics</i> , 2000, 88, 252-259.	2.5	24
61	Influence of Alkyl Chain Length on the Solid-State Packing and Fluorescence of 1,4,5,8-Tetra(alkyl)anthracenes. <i>Molecular Crystals and Liquid Crystals</i> , 2007, 474, 119-135.	0.9	24
62	Octaalkyl tetracene-1,2,3,4,7,8,9,10-octacarboxylates: synthesis by twofold [2+2+2] cycloaddition and crystallochromy. <i>Chemical Communications</i> , 2011, 47, 6653.	4.1	24
63	Desorption Processes of Adsorbed Impurity Ions on Alignment Layers in Nematic Liquid Crystal Cells. <i>Molecular Crystals and Liquid Crystals</i> , 1997, 301, 85-90.	0.3	23
64	Control of the Singlet-Triplet Energy Gap in a Thermally Activated Delayed Fluorescence Emitter by Using a Polar Host Matrix. <i>Nanoscale Research Letters</i> , 2017, 12, 268.	5.7	23
65	Beads-on-String-Shaped Poly(azomethine) Applicable for Solution Processing of Bilayer Devices Using a Same Solvent. <i>ACS Macro Letters</i> , 2018, 7, 641-645.	4.8	23
66	Determination of Rotational Viscosity of Nematic Liquid Crystals from Transient Current: Numerical Analysis and Experiment. <i>Japanese Journal of Applied Physics</i> , 1994, 33, 3482-3487.	1.5	22
67	Room Temperature Ultraviolet Electroluminescence from Poly(methylphenylsilane). <i>Chemistry Letters</i> , 1998, 27, 299-300.	1.3	22
68	Impedance spectroscopy measurements of charge carrier mobility in 4,4'-N,N'-dicarbazole-biphenyl thin films doped with tris(2-phenylpyridine) iridium. <i>Thin Solid Films</i> , 2009, 518, 452-456.	1.8	22
69	Drastic Improvement in Wettability of 6,13-Bis(triisopropylsilylethynyl)pentacene by Addition of Silica Nanoparticles for Solution-Processable Organic Field-Effect Transistors. <i>Applied Physics Express</i> , 2010, 3, 091602.	2.4	22
70	High operational stability of solution-processed organic field-effect transistors with top-gate configuration. <i>Organic Electronics</i> , 2016, 32, 65-69.	2.6	22
71	Demonstration of determination of electron and hole drift-mobilities in organic thin films by means of impedance spectroscopy measurements. <i>Thin Solid Films</i> , 2014, 554, 213-217.	1.8	21
72	Single crystal organic photovoltaic cells using lateral electron transport. <i>Organic Electronics</i> , 2017, 41, 118-121.	2.6	21

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73	Electron injection in inverted organic light-emitting diodes with poly(ethyleneimine) electron injection layers. <i>Organic Electronics</i> , 2017, 50, 290-295.	2.6	21
74	Triplet-triplet annihilation in a thermally activated delayed fluorescence emitter lightly doped in a host. <i>Applied Physics Letters</i> , 2018, 113, .	3.3	21
75	Defect states in ZnSe single crystals irradiated with gamma rays. <i>Journal of Applied Physics</i> , 1991, 69, 291-297.	2.5	20
76	Method for Determination of Rotational Viscosity in Nematic Liquid Crystals. <i>Japanese Journal of Applied Physics</i> , 1994, 33, L119-L121.	1.5	20
77	Density of states in amorphous semiconductors determined from transient photoconductivity experiment: Computer simulation and experiment. <i>Journal of Non-Crystalline Solids</i> , 1996, 198-200, 363-366.	3.1	20
78	Pattern formation and instability of smectic-A filaments grown from an isotropic phase. <i>Physical Review E</i> , 1997, 55, 1655-1659.	2.1	20
79	Temperature dependence of photoluminescence in polyfluorene thin films—Huang’s factors of as-coated, annealed and crystallized thin films. <i>Thin Solid Films</i> , 2006, 499, 192-195.	1.8	20
80	Light-induced metastable states in amorphous organic polysilanes. <i>Journal of Applied Physics</i> , 1994, 76, 3612-3615.	2.5	19
81	Photo-induced phenomena in transport properties of a-As ₂ Se ₃ . <i>Journal of Non-Crystalline Solids</i> , 1987, 97-98, 1231-1234.	3.1	18
82	Enhanced Ultraviolet Emission in Polysilane Light-Emitting Diodes by Inserting a SiO _x Thin Layer. <i>Japanese Journal of Applied Physics</i> , 1999, 38, 2609-2612.	1.5	18
83	Photoluminescence properties of facial- and meridional-Ir(ppy) ₃ thin films. <i>Thin Solid Films</i> , 2006, 509, 164-167.	1.8	18
84	Analysis of time-of-flight transient photocurrent in organic semiconductors with coplanar-blocking-electrodes configuration. <i>Thin Solid Films</i> , 2008, 516, 2595-2599.	1.8	18
85	Air-mediated self-organization of polymer semiconductors for high-performance solution-processable organic transistors. <i>Applied Physics Letters</i> , 2011, 98, 063304.	3.3	18
86	17,17-Dialkyltetrabenzo[a,c,g,i]fluorenes with extremely high solid-state fluorescent quantum yields: relationship between crystal structure and fluorescent properties. <i>Tetrahedron</i> , 2012, 68, 1688-1694.	1.9	18
87	Optical properties of (organic polysilane)–(inorganic matrix) hybrid thin films. <i>Journal of Luminescence</i> , 2000, 87-89, 715-717.	3.1	17
88	Electronic structure of a glassy poly(9,9-dioctylfluorene) thin film determined using linear and nonlinear spectroscopies. <i>Physical Review B</i> , 2007, 75, .	3.2	17
89	Mobility enhancement in solution-processable organic transistors through polymer chain alignment by roll-transfer printing. <i>Organic Electronics</i> , 2011, 12, 2140-2143.	2.6	17
90	Characterization of transport properties of organic semiconductors using impedance spectroscopy. <i>Journal of Materials Science: Materials in Electronics</i> , 2015, 26, 4463-4474.	2.2	17

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91	Computer simulation study of tail-state distribution in amorphous selenium. Journal of Non-Crystalline Solids, 1989, 114, 112-114.	3.1	16
92	Fabrication and Characterization of Poly(3-hexylthiophene)-Based Field-Effect Transistors with Silsesquioxane Gate Insulators. Japanese Journal of Applied Physics, 2008, 47, 3196.	1.5	16
93	Study on Facile Synthesis, Crystal Structure, and Solid-State Fluorescence of Dicyclohexane-Annulated Anthracene. Bulletin of the Chemical Society of Japan, 2008, 81, 754-756.	3.2	16
94	Continuous-wave photoinduced absorption studies in polythiophene and fullerene blended thin films. Physical Review B, 2011, 83, .	3.2	16
95	High performance top-gate field-effect transistors based on poly(3-alkylthiophenes) with different alkyl chain lengths. Organic Electronics, 2014, 15, 372-377.	2.6	16
96	Synthesis of new D-A polymers containing disilanobithiophene donor and application to bulk heterojunction polymer solar cells. Polymer Journal, 2015, 47, 733-738.	2.7	16
97	Inverted organic light-emitting diodes with an electrochemically deposited zinc oxide electron injection layer. Journal of Applied Physics, 2016, 120, 185501.	2.5	16
98	Determination of deep trapping lifetime in organic semiconductors using impedance spectroscopy. Applied Physics Letters, 2016, 108, 053305.	3.3	16
99	Visualization of the carrier transport dynamics in layered Organic Light Emitting Diodes by Modulus spectroscopy. Organic Electronics, 2018, 61, 10-17.	2.6	16
100	Thiophene-based twisted bistricyclic aromatic ene with tricoordinate boron: a new n-type semiconductor. Chemical Communications, 2021, 57, 1316-1319.	4.1	16
101	The Density of Localized States in Amorphous In _x Se _{1-x} Thin Films. Japanese Journal of Applied Physics, 1980, 19, L513-L516.	1.5	15
102	A Theoretical Investigation of the Residual Voltage on Electrophotographic Plates. Japanese Journal of Applied Physics, 1982, 21, 1127-1134.	1.5	15
103	Carrier mobility and life time measurements in a-In _x Se _{1-x} films. Journal of Non-Crystalline Solids, 1983, 59-60, 1035-1038.	3.1	15
104	Synthesis of Cyclotetragermanes of the Type of [R(Ph)Ge] ₄ and Conversion to [R(Cl)Ge] ₄ . The First Functionalized Cyclotetragermanes. Chemistry Letters, 1992, 21, 1697-1700.	1.3	15
105	Charge Carrier Transport in Red Electrophosphorescent Emitting Layer. Japanese Journal of Applied Physics, 2006, 45, 5966-5969.	1.5	15
106	Synthesis, Optical Properties, and Crystal Structure of 1,4-Dipropyltetracene. European Journal of Organic Chemistry, 2010, 2010, 2571-2575.	2.4	15
107	Lateral Alternating Donor/Acceptor Multilayered Junction for Organic Solar Cells. ACS Applied Energy Materials, 2019, 2, 2087-2093.	5.1	15
108	Deep Trap Levels in Zn-Annealed ZnSe Single Crystals. Physica Status Solidi A, 1990, 117, 515-525.	1.7	14

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109	Scanning tunneling microscopy using a ZnO whisker tip. <i>Applied Physics Letters</i> , 1994, 64, 3243-3245.	3.3	14
110	Transient photoconductivity study of localized-state distributions in metallophthalocyanines. <i>Thin Solid Films</i> , 1998, 331, 82-88.	1.8	14
111	Effects of Alkoxy Substitution on the Optical Properties of 9,10-Anthraquinone and Anthracene: 2,3,6,7-Tetrapropoxy-substituted vs. 2,6-Dipropoxy-substituted Derivatives. <i>Chemistry Letters</i> , 2012, 41, 674-676.	1.3	14
112	Luminescent Thin Films Composed of Nanosized Europium Coordination Polymers on Glass Electrodes. <i>ChemPlusChem</i> , 2016, 81, 187-193.	2.8	14
113	Electrically programmable multilevel nonvolatile memories based on solution-processed organic floating-gate transistors. <i>Applied Physics Letters</i> , 2021, 118, .	3.3	14
114	Reversible Optical Effects in Parylene-Coated Amorphous Ga-Se-S Films. <i>Japanese Journal of Applied Physics</i> , 1992, 31, 3370-3371.	1.5	13
115	Preparation and Optical Properties of Aligned β -Phase Polyfluorene Thin Films. <i>Japanese Journal of Applied Physics</i> , 2007, 46, L1093-L1095.	1.5	13
116	Anisotropic optical properties of aligned β -phase polyfluorene thin films. <i>Thin Solid Films</i> , 2008, 517, 1324-1326.	1.8	13
117	Effect of non-chlorinated solvents on the enhancement of field-effect mobility in dioctylbenzothienobenzothiophene-based top-gate organic transistors processed by spin coating. <i>Organic Electronics</i> , 2019, 69, 181-189.	2.6	13
118	Intersystem Crossing Rate in Thermally Activated Delayed Fluorescence Emitters. <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2020, 217, 1900616.	1.8	13
119	Optical properties of GaAs _{0.5} Sb _{0.5} and In _{0.53} Ga _{0.47} As/GaAs _{0.5} Sb _{0.5} type II single hetero-structures lattice-matched to InP substrates grown by molecular beam epitaxy. <i>Journal of Crystal Growth</i> , 1999, 201-202, 872-876.	1.5	12
120	Photocarrier generation at nano-interfaces in organic polysilane-titania matrix hybrid thin films. <i>Thin Solid Films</i> , 2003, 438-439, 253-256.	1.8	12
121	Transport of carriers in organic light-emitting devices fabricated with ap-phenylenevinylene-derivative copolymer. <i>Journal of Applied Physics</i> , 2003, 94, 2024-2027.	2.5	12
122	Amplified spontaneous emission from fluorene-based copolymer wave guides. <i>Thin Solid Films</i> , 2005, 477, 53-56.	1.8	12
123	Emission Gain Narrowing in Dye-Doped Polymer Dispersed Liquid Crystals. <i>Japanese Journal of Applied Physics</i> , 2005, 44, L915-L917.	1.5	12
124	Correlation between the crystallization of polyfluorene and the surface free energy of substrates. <i>Thin Solid Films</i> , 2008, 517, 1340-1342.	1.8	12
125	Structure of electron collection electrode in dye-sensitized nanocrystalline TiO ₂ . <i>Electrochimica Acta</i> , 2013, 87, 309-316.	5.2	12
126	Effective Europium Coordination Luminophores Linked with Bi- and Tridentate Carbazole Phosphine Oxides for Organic Electroluminescent Devices. <i>Journal of Physical Chemistry C</i> , 2018, 122, 9599-9605.	3.1	12

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127	A Method for Determination of Rotational Viscosity and Pretilt Angle from Transient Current in Twisted Nematic Liquid Crystal Cells. <i>Japanese Journal of Applied Physics</i> , 1995, 34, 3170-3176.	1.5	11
128	Periodic buckling of smectic-Atubular filaments in an isotropic phase. <i>Physical Review E</i> , 2004, 70, 021701.	2.1	11
129	Optical properties of poly(di-n-hexylsilane)-zirconia hybrid thin films: suppression of thermochromism and large thermo-optic coefficients. <i>Applied Physics Letters</i> , 2005, 86, 191907.	3.3	11
130	A study of $\hat{1}\pm$ - and $\hat{1}2$ -phase poly(9,9-dioctylfluorene) by electroabsorption spectroscopy. <i>Thin Solid Films</i> , 2008, 516, 2537-2540.	1.8	11
131	Synthesis and Properties of anti/syn-Regioisomeric Mixtures of Alkyl-Substituted Tetracenes. <i>Heterocycles</i> , 2011, 83, 1621.	0.7	11
132	Effects of Bimolecular Recombination on Impedance Spectra in Organic Semiconductors: Analytical Approach. <i>Journal of Nanoscience and Nanotechnology</i> , 2016, 16, 3322-3326.	0.9	11
133	Relations between transient charge transport and the glass-transition temperature in amorphous chalcogenides. <i>Physical Review B</i> , 1994, 49, 10131-10135.	3.2	10
134	Determination of free carrier recombination lifetime in amorphous semiconductors: application to the study of iodine doping effect in arsenic triselenide. <i>Journal of Non-Crystalline Solids</i> , 1998, 227-230, 824-828.	3.1	10
135	Improvement of energy resolution of transient photoconductivity analysis for measuring localized-state distributions in amorphous semiconductors. <i>Journal of Non-Crystalline Solids</i> , 2000, 266-269, 367-371.	3.1	10
136	Photoluminescence Anisotropy of Ultraviolet-Light-Irradiated Organic Polysilane-Silica Hybrid Thin Films. <i>Japanese Journal of Applied Physics</i> , 2002, 41, L1467-L1470.	1.5	10
137	Effective control of surface property on poly(silsesquioxane) films by chemical modification. <i>Thin Solid Films</i> , 2008, 517, 1335-1339.	1.8	10
138	Electroabsorption study of ordered polyfluorene thin films: Origin of oscillatory structure near the bottom of the continuum state. <i>Physical Review B</i> , 2010, 81, .	3.2	10
139	Determination of Carrier Lifetime in Bulk-Heterojunction Solar Cells by Continuous-Wave Photoinduced Absorption Spectroscopy. <i>Applied Physics Express</i> , 2011, 4, 126602.	2.4	10
140	Polysilsesquioxanes for Gate-Insulating Materials of Organic Thin-Film Transistors. <i>International Journal of Polymer Science</i> , 2012, 2012, 1-10.	2.7	10
141	J-aggregate structure in a chloroform solvate of a 2,3-dicyanopyrazine dye ? Separation of two-dimensional stacking dye layers by solvate formation. <i>Dyes and Pigments</i> , 2012, 95, 431-435.	3.7	10
142	Angular distribution of field-effect mobility in oriented poly[5,5-bis(3-dodecyl-2-thienyl)-2,2-bithiophene] fabricated by roll-transfer printing. <i>Applied Physics Letters</i> , 2014, 104, .	3.3	10
143	Amorphous Solid Simulation and Trial Fabrication of the Organic Field-Effect Transistor of Tetrathienonaphthalenes Prepared by Using Microflow Photochemical Reactions: A Theoretical Calculation-Inspired Investigation. <i>Journal of Organic Chemistry</i> , 2016, 81, 3168-3176.	3.2	10
144	Modulated Photocurrent Spectroscopy for Determination of Electron and Hole Mobilities in Working Organic Solar Cells. <i>Scientific Reports</i> , 2019, 9, 20346.	3.3	10

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145	Modulated photocurrent study of localized-state distributions in copper phthalocyanine thin films. <i>Journal of Applied Physics</i> , 1996, 80, 5089-5093.	2.5	9
146	Photocarrier generation and bipolar transport in diphenoquinone doped polymethylphenylsilane thin films. <i>Journal of Applied Physics</i> , 2002, 91, 251.	2.5	9
147	Transient Current of Nematic Liquid Crystals with Negative Dielectric Anisotropy Induced by Step-Voltage Excitation. <i>Japanese Journal of Applied Physics</i> , 2004, 43, L1588-L1591.	1.5	9
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