Tomoyuki Koganezawa

List of Publications by Year
in descending order

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196 papers	5,384 citations	126907 33 h-index	98798 67 g-index
198 all docs	198 docs citations	198 times ranked	5971 citing authors

#	Article	IF	Citations
1	Efficient inverted polymer solar cells employing favourable molecular orientation. Nature Photonics, 2015, 9, 403-408.	31.4	769
2	Synthesis, Characterization, and Transistor and Solar Cell Applications of a Naphthobisthiadiazole-Based Semiconducting Polymer. Journal of the American Chemical Society, 2012, 134, 3498-3507.	13.7	323
3	Implication of Fluorine Atom on Electronic Properties, Ordering Structures, and Photovoltaic Performance in Naphthobisthiadiazole-Based Semiconducting Polymers. Journal of the American Chemical Society, 2016, 138, 10265-10275.	13.7	319
4	Naphthodithiopheneâ€“Naphthobisthiadiazole Copolymers for Solar Cells: Alkylation Drives the Polymer Backbone Flat and Promotes Efficiency. Journal of the American Chemical Society, 2013, 135, 8834-8837.	13.7	301
5	Thiopheneâ€“Thiazolothiazole Copolymers: Significant Impact of Side Chain Composition on Backbone Orientation and Solar Cell Performances. Advanced Materials, 2014, 26, 331-338.	21.0	275
6	Drastic Change of Molecular Orientation in a Thiazolothiazole Copolymer by Molecularâ€Weight Control and Blending with PC₆₁BM Leads to High Efficiencies in Solar Cells. Advanced Materials, 2012, 24, 425-430.	21.0	157
7	New Random Copolymer Acceptors Enable Additive-Free Processing of 10.1% Efficient All-Polymer Solar Cells with Near-Unity Internal Quantum Efficiency. ACS Energy Letters, 2019, 4, 1162-1170.	17.4	134
8	Terazulene Isomers: Polarity Change of OFETs through Molecular Orbital Distribution Contrast. Journal of the American Chemical Society, 2016, 138, 11335-11343.	13.7	132
9	Naphthodithiophene-Based Donorâ€“Acceptor Polymers: Versatile Semiconductors for OFETs and OPVs. ACS Macro Letters, 2012, 1, 437-440.	4.8	128
10	All-Polymer Solar Cells with 9.4% Efficiency from Naphthalene Diimide-Biselenophene Copolymer Acceptor. Chemistry of Materials, 2018, 30, 6540-6548.	6.7	88
11	Feâ€“Ni composition dependence of magnetic anisotropy in artificially fabricated L1₀-ordered FeNi films. Journal of Physics Condensed Matter, 2014, 26, 064207.	1.8	82
12	Crystallization Dynamics of Organolead Halide Perovskite by Real-Time X-ray Diffraction. Nano Letters, 2015, 15, 5630-5634.	9.1	77
13	End-On Orientation of Semiconducting Polymers in Thin Films Induced by Surface Segregation of Fluoroalkyl Chains. Journal of the American Chemical Society, 2013, 135, 9644-9647.	13.7	71
14	Quinacridone-Based Semiconducting Polymers: Implication of Electronic Structure and Orientational Order for Charge Transport Property. Chemistry of Materials, 2012, 24, 1235-1243.	6.7	68
15	Novel dibenzo[a,e]pentalene-based conjugated polymers. Journal of Materials Chemistry C, 2014, 2, 64-70.	5.5	63
16	Control of Molecular Orientation in Organic Semiconductor Films using Weak Hydrogen Bonds. Advanced Materials, 2019, 31, e1808300.	21.0	62
17	Artificial Fabrication and Order Parameter Estimation of L10-ordered FeNi Thin Film Grown on a AuNi Buffer Layer. Journal of the Magnetics Society of Japan, 2011, 35, 370-373.	0.9	60
18	Regioisomer effects of [70]fullerene mono-adduct acceptors in bulk heterojunction polymer solar cells. Chemical Science, 2017, 8, 181-188.	7.4	52

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19	Enhancement of Out-of-plane Mobility in P3HT Film by Rubbing: Aggregation and Planarity Enhanced with Low Regioregularity. Journal of Physical Chemistry C, 2015, 119, 7987-7995.	3.1	49
20	Epitaxial Growth of an Organic pâ€“n Heterojunction: C₆₀ on Single-Crystal Pentacene. ACS Applied Materials & Interfaces, 2016, 8, 13499-13505.	8.0	49
21	Impact of the molecular quadrupole moment on ionization energy and electron affinity of organic thin films: Experimental determination of electrostatic potential and electronic polarization energies. Physical Review B, 2018, 97, .	3.2	47
22	Performance of Si/PEDOT:PSS Hybrid Solar Cell Controlled by PEDOT:PSS Film Nanostructure. Journal of Physical Chemistry C, 2016, 120, 19043-19048.	3.1	46
23	Crystallization-Induced Energy Level Change of [6,6]-Phenyl-C₆₁-Butyric Acid Methyl Ester (PCBM) Film: Impact of Electronic Polarization Energy. Journal of Physical Chemistry C, 2015, 119, 23-28.	3.1	44
24	Alternative Face-on Thin Film Structure of Pentacene. Scientific Reports, 2019, 9, 579.	3.3	40
25	Impact of Noncovalent Sulfurâ€“Fluorine Interaction Position on Properties, Structures, and Photovoltaic Performance in Naphthobisthiadiazoleâ€Based Semiconducting Polymers. Advanced Energy Materials, 2020, 10, 1903278.	19.5	39
26	The effect of the 2D internal strain state on the critical current in GdBCO coated conductors. Superconductor Science and Technology, 2012, 25, 054014.	3.5	38
27	Structure and magnetoresistance of current-perpendicular-to-plane pseudo spin valves using Co2Mn(Ga0.25Ge0.75) Heusler alloy. Journal of Applied Physics, 2013, 113, .	2.5	38
28	Magnetic Anisotropy and Chemical Order of Artificially Synthesized L1₀-Ordered FeNi Films on Auâ€“Cuâ€“Ni Buffer Layers. Japanese Journal of Applied Physics, 2012, 51, 010204.	1.5	37
29	Contrasting Effect of Alkylation on the Ordering Structure in Isomeric Naphthodithiophene-Based Polymers. Macromolecules, 2014, 47, 3502-3510.	4.8	36
30	A single cis-2 regioisomer of ethylene-tethered indene dimerâ€“fullerene adduct as an electron-acceptor in polymer solar cells. Chemical Communications, 2015, 51, 8233-8236.	4.1	36
31	Efficient light-harvesting, energy migration, and charge transfer by nanographene-based nonfullerene small-molecule acceptors exhibiting unusually long excited-state lifetime in the film state. Chemical Science, 2020, 11, 3250-3257.	7.4	35
32	Synthesis and Isolation of cis-2 Regiospecific Ethylene-Tethered Indene Dimerâ€“[70]Fullerene Adduct for Polymer Solar Cell Applications. ACS Applied Materials & Interfaces, 2015, 7, 16676-16685.	8.0	34
33	Sequentially Different AB Diblock and ABA Triblock Copolymers as P3HT:PCBM Interfacial Compatibilizers for Bulk-Heterojunction Photovoltaics. ACS Applied Materials & Interfaces, 2016, 8, 5484-5492.	8.0	34
34	Synthesis and Characterization of ABC-Type Asymmetric Star Polymers Comprised of Poly(3-hexylthiophene), Polystyrene, and Poly(2-vinylpyridine) Segments. Macromolecules, 2015, 48, 245-255.	4.8	33
35	Solution-Processable Organic Semiconductors Featuring S-Shaped Dinaphthothienothiophene (S-DNTT): Effects of Alkyl Chain Length on Self-Organization and Carrier Transport Properties. Chemistry of Materials, 2020, 32, 5350-5360.	6.7	33
36	Thienothiopheneâ€2,5â€Dioneâ€Based Donorâ€“Acceptor Polymers: Improved Synthesis and Influence of the Donor Units on Ambipolar Charge Transport Properties. Advanced Electronic Materials, 2015, 1, 1500039.	5.1	32

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37	Designing High Performance Nonfullerene Electron Acceptors with Rylene Imides for Efficient Organic Photovoltaics. Chemistry of Materials, 2020, 32, 195-204.	6.7	32
38	Ionic Conductivity in Ionic Liquid Nano Thin Films. ACS Nano, 2018, 12, 10509-10517.	14.6	31
39	Side-chain engineering in a thermal precursor approach for efficient photocurrent generation. Journal of Materials Chemistry A, 2017, 5, 14003-14011.	10.3	29
40	Synthesis and Deformable Hierarchical Nanostructure of Intrinsically Stretchable ABA Triblock Copolymer Composed of Poly(3-hexylthiophene) and Polyisobutylene Segments. ACS Applied Polymer Materials, 2019, 1, 315-320.	4.4	29
41	Bending strain analysis considering a shift of the neutral axis for YBCO coated conductors with and without a Cu stabilizing layer. Superconductor Science and Technology, 2011, 24, 075019.	3.5	28
42	Addition of Co to L1₀-ordered FeNi films: influences on magnetic properties and ordered structures. Journal Physics D: Applied Physics, 2014, 47, 425001.	2.8	27
43	Small band gap polymers incorporating a strong acceptor, thieno[3,2-b]thiophene-2,5-dione, with p-channel and ambipolar charge transport characteristics. Journal of Materials Chemistry C, 2014, 2, 2307-2312.	5.5	27
44	Enhanced vertical carrier mobility in poly(3-alkylthiophene) thin films sandwiched between self-assembled monolayers and surface-segregated layers. Chemical Communications, 2014, 50, 3627-3630.	4.1	27
45	Conjugated Polyelectrolyte Blend with Polyethyleneimine Ethoxylated for Thickness-Insensitive Electron Injection Layers in Organic Light-Emitting Devices. ACS Applied Materials & Interfaces, 2018, 10, 17318-17326.	8.0	27
46	Squareâ€Centimeterâ€Sized Highâ€Efficiency Polymer Solar Cells: How the Processing Atmosphere and Film Quality Influence Performance at Large Scale. Advanced Energy Materials, 2016, 6, 1600290.	19.5	26
47	Uniaxial orientation of P3HT film prepared by soft friction transfer method. Scientific Reports, 2017, 7, 5141.	3.3	26
48	In Situ Real-Time X-Ray Diffraction During Thin Film Growth of Pentacene. Molecular Crystals and Liquid Crystals, 2012, 566, 18-21.	0.9	25
49	The influence of branched alkyl side chains in Aâ€“Dâ€“A oligothiophenes on the photovoltaic performance and morphology of solution-processed bulk-heterojunction solar cells. Organic Chemistry Frontiers, 2017, 4, 1561-1573.	4.5	24
50	Enhancement of Out-of-Plane Mobilities of Three Poly(3-alkylthiophene)s and Associated Mechanism. Journal of Physical Chemistry C, 2016, 120, 23351-23357.	3.1	23
51	Elucidating the impact of molecular weight on morphology, charge transport, photophysics and performance of all-polymer solar cells. Journal of Materials Chemistry A, 2020, 8, 21070-21083.	10.3	23
52	Layer-by-Layer Growth Control of Metalâ€“Organic Framework Thin Films Assembled on Polymer Films. ACS Applied Materials & Interfaces, 2020, 12, 50784-50792.	8.0	22
53	Molecular engineering of benzothienoisoindigo copolymers allowing highly preferential face-on orientations. Journal of Materials Chemistry A, 2015, 3, 21578-21585.	10.3	21
54	Crystallization and Polymorphism of Organic Semiconductor in Thin Film Induced by Surface Segregated Monolayers. Scientific Reports, 2018, 8, 481.	3.3	21

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55	Structural and magnetic properties of FeNi thin films fabricated on amorphous substrates. Journal of Applied Physics, 2015, 117, .	2.5	20
56	Performance of Si/PEDOT:PSS Solar Cell Controlled by Dipole Moment of Additives. Journal of Physical Chemistry C, 2019, 123, 20130-20135.	3.1	20
57	Time evolution studies of dithieno[3,2-b:2â€²,3â€²-d]pyrrole-based Aâ€“Dâ€“A oligothiophene bulk heterojunctions during solvent vapor annealing towards optimization of photocurrent generation. Journal of Materials Chemistry A, 2017, 5, 1005-1013.	10.3	19
58	Understanding Comparable Charge Transport Between Edge-on and Face-on Polymers in a Thiazolothiazole Polymer System. ACS Applied Polymer Materials, 2019, 1, 1257-1262.	4.4	18
59	A hydrogen storage layer on the surface of silicon nitride films. Applied Physics Letters, 2008, 92, .	3.3	17
60	Relation Between the Crystal Axis and the Strain Dependence of Critical Current Under Tensile Strain for GdBCO Coated Conductors. IEEE Transactions on Applied Superconductivity, 2013, 23, 8400304-8400304.	1.7	17
61	Microstructures of BPDA-PPD polyimide thin films with different thicknesses. Polymer, 2013, 54, 2435-2439.	3.8	17
62	Formation of epitaxial Ti-Si-C Ohmic contact on 4H-SiC C face using pulsed-laser annealing. Applied Physics Letters, 2017, 110, .	3.3	17
63	Epitaxial Growth of C₆₀ on Rubrene Single Crystals for a Highly Ordered Organic Donor/Acceptor Interface. Crystal Growth and Design, 2017, 17, 4622-4627.	3.0	17
64	Widely Dispersed Intermolecular Valence Bands of Epitaxially Grown Perfluoropentacene on Pentacene Single Crystals. Journal of Physical Chemistry Letters, 2019, 10, 1312-1318.	4.6	17
65	Effects of a Fluorinated Donor Polymer on the Morphology, Photophysics, and Performance of All-Polymer Solar Cells Based on Naphthalene Diimideâ€“Arylene Copolymer Acceptors. ACS Applied Materials & Interfaces, 2020, 12, 16490-16502.	8.0	17
66	A comparative study of honeycomb-like 2D Ï€-conjugated metalâ€“organic framework chemiresistors: conductivity and channels. Dalton Transactions, 2021, 50, 13236-13245.	3.3	17
67	Extended Ï€-Electron Delocalization in Quinoid-Based Conjugated Polymers Boosts Intrachain Charge Carrier Transport. Chemistry of Materials, 2021, 33, 8183-8193.	6.7	17
68	New finding of coherent hybrid structure of BaTiO3 single crystal in the room temperature phase. Physics Letters, Section A: General, Atomic and Solid State Physics, 2006, 353, 250-254.	2.1	16
69	Hard x-ray photoelectron spectroscopy equipment developed at beamline BL46XU of SPring-8 for industrial researches. AIP Conference Proceedings, 2016, , .	0.4	16
70	Organic Solar Cells with Controlled Nanostructures Based on Microphase Separation of Fullerene-Attached Thiophene-Selenophene Heteroblock Copolymers. ACS Applied Materials & Interfaces, 2017, 9, 4758-4768.	8.0	16
71	Engineering Thin Films of a Tetrabenzoporphyrin toward Efficient Charge-Carrier Transport: Selective Formation of a Brickwork Motif. ACS Applied Materials & Interfaces, 2017, 9, 8211-8218.	8.0	16
72	Correlation between Distribution of Polymer Orientation and Cell Structure in Organic Photovoltaics. ACS Applied Materials & Interfaces, 2018, 10, 32420-32425.	8.0	16

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73	Fabrication of L1-FeNi by pulsed-laser deposition. Applied Physics Letters, 2019, 114, .	3.3	16
74	In situ structural characterization of picene thin films by X-ray scattering: Vacuum versus <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si10.gif" overflow="scroll"><mml:mrow><mml:msub><mml:mrow><mml:mtext>O</mml:mtext></mml:mrow><mml:mrow><mml:mn>2</mml:m atmosphere. Chemical Physics Letters, 2012, 544, 34-38.	2.6	15
75	Temperature Dependent Epitaxial Growth of C₆₀ Overlayers on Single Crystal Pentacene. Advanced Materials Interfaces, 2018, 5, 1800084.	3.7	15
76	Fabrication of L10-FeNi phase by sputtering with rapid thermal annealing. Journal of Alloys and Compounds, 2018, 750, 164-170.	5.5	15
77	Semiconducting silicon-tin alloy nanocrystals with direct bandgap behavior for photovoltaic devices. Materials Today Energy, 2018, 7, 87-97.	4.7	15
78	Naphthobispyrazine Bisimide: A Strong Acceptor Unit for Conjugated Polymers Enabling Highly Coplanar Backbone, Short Ï€â€“Ï€ Stacking, and High Electron Transport. Chemistry of Materials, 2022, 34, 2717-2729.	6.7	15
79	Design optimization of highly accurate elliptical mirrors for hard-x-ray microfocusing probes at SPring-8. , 2009, , .		14
80	Interface-induced crystallization and nanostructure formation of [6,6]-phenyl-C₆₁-butyric acid methyl ester (PCBM) in polymer blend films and its application in photovoltaics. Journal of Materials Chemistry A, 2016, 4, 3335-3341.	10.3	14
81	Crystallinity of the epitaxial heterojunction of C60 on single crystal pentacene. Journal of Crystal Growth, 2017, 468, 770-773.	1.5	14
82	In situ residual stress analysis in a phenolic resin and copper composite material during curing. Polymer, 2019, 182, 121857.	3.8	14
83	Reinterpretation of the unit cell evolution of BaTiO3. Physics Letters, Section A: General, Atomic and Solid State Physics, 2007, 367, 394-401.	2.1	13
84	Development of a CdTe pixel detector with a window comparator ASIC for high energy X-ray applications. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2011, 650, 88-91.	1.6	13
85	Hole mobility enhancement of MEH-PPV film by heat treatment at Tg. AIP Advances, 2015, 5, .	1.3	13
86	Formation of (100)-oriented large polycrystalline silicon thin films with multiline beam continuous-wave laser lateral crystallization. Japanese Journal of Applied Physics, 2018, 57, 031302.	1.5	13
87	Epitaxial L1-FeNi films with high degree of order and large uniaxial magnetic anisotropy fabricated by denitriding FeNiN films. Applied Physics Letters, 2020, 116, .	3.3	13
88	Hard X-ray Photoemission Spectroscopy at Beamline BL46XU of SPring-8. Journal of Surface Analysis (Online), 2015, 21, 121-129.	0.1	13
89	Magnetic Anisotropy and Chemical Order of Artificially Synthesized L1₀-Ordered FeNi Films on Auâ€“Cuâ€“Ni Buffer Layers. Japanese Journal of Applied Physics, 2012, 51, 010204.	1.5	13
90	The effect of pinning centers in Zn-doped CuBa2Ca3Cu4O12â^'y high-temperature superconductors. Journal of Physics and Chemistry of Solids, 2002, 63, 1073-1076.	4.0	12

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91	Microscopic structure and electrical transport property of sputter-deposited amorphous indium-gallium-zinc oxide semiconductor films. Journal of Physics: Conference Series, 2014, 518, 012001.	0.4	12
92	Synthesis of 1,3,4-thiadiazole-based donorâ€“acceptor alternating copolymers for polymer solar cells with high open-circuit voltage. Polymer Journal, 2015, 47, 513-521.	2.7	12
93	Photoprecursor Approach Enables Preparation of Well-Performing Bulk-Heterojunction Layers Comprising a Highly Aggregating Molecular Semiconductor. ACS Applied Materials & Interfaces, 2016, 8, 8644-8651.	8.0	11
94	Magnetic Anisotropy and Damping for Monolayer-Controlled Co | Ni Epitaxial Multilayer. Journal of the Physical Society of Japan, 2017, 86, 074710.	1.6	11
95	Stable ultrathin surfactantâ€free surfaceâ€engineered silicon nanocrystal solar cells deposited at room temperature. Energy Science and Engineering, 2017, 5, 184-193.	4.0	11
96	Molecular orientation control of semiconducting molecules using a metal layer formed by wet processing. Organic Electronics, 2018, 63, 47-51.	2.6	11
97	Selective growth ofÎ±-Fe₂O₃,Î³-Fe₂O₃and Fe₃O₄at low temperatures and under ambient pressure. Japanese Journal of Applied Physics, 2019, 58, 095504.	1.5	11
98	Epitaxial growth of CH3NH3PbI3 on rubrene single crystal. APL Materials, 2020, 8, .	5.1	11
99	Evaluation and Control of Strain in Si Induced by Patterned SiN Stressor. Electrochemical and Solid-State Letters, 2009, 12, H117.	2.2	10
100	Regioisomer effects of [70]PCBM on film structures and photovoltaic properties of composite films with a crystalline conjugated polymer P3HT. RSC Advances, 2017, 7, 45697-45704.	3.6	10
101	Orbital-Energy Modulation of Tetrabenzoporphyrin-Derived Non-Fullerene Acceptors for Improved Open-Circuit Voltage in Organic Solar Cells. Journal of Organic Chemistry, 2020, 85, 168-178.	3.2	10
102	Efficient Exciton Diffusion in Micrometer-Sized Domains of Nanographene-Based Nonfullerene Acceptors with Long Exciton Lifetimes in Blend Films with Conjugated Polymer. ACS Applied Materials & Interfaces, 2020, 12, 39236-39244.	8.0	10
103	Improvement of CVD SiO2 by Post Deposition Microwave Plasma Treatment. ECS Transactions, 2009, 19, 45-51.	0.5	9
104	Synthesis of regioblock copolythiophene by Negishi catalyst-transfer polycondensation using ^tBu₂ZnÂ·2LiCl. Polymer Chemistry, 2017, 8, 6143-6149.	3.9	9
105	Electronic and Crystallographic Examinations of the Homoepitaxially Grown Rubrene Single Crystals. Materials, 2020, 13, 1978.	2.9	9
106	High-Throughput and Autonomous Grazing Incidence X-ray Diffraction Mapping of Organic Combinatorial Thin-Film Library Driven by Machine Learning. ACS Combinatorial Science, 2020, 22, 348-355.	3.8	9
107	Comparative Study of Selenophene- and Thiophene-Containing n-Type Semiconducting Polymers for High Performance All-Polymer Solar Cells. ACS Applied Polymer Materials, 2021, 3, 49-59.	4.4	9
108	Synthesis and FET characterization of novel ambipolar and lowâ€bandgap naphthaleneâ€diimideâ€based semiconducting polymers. Journal of Polymer Science Part A, 2016, 54, 359-367.	2.3	8

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109	A Series of Lithium Pyridyl Phenolate Complexes with a Pendant Pyridyl Group for Electron-Injection Layers in Organic Light-Emitting Devices. ACS Applied Materials & Interfaces, 2017, 9, 40541-40548.	8.0	8
110	Molecular Aggregation States of Imogolite/P3HT Nanofiber Hybrid. Journal of Physics: Conference Series, 2011, 272, 012021.	0.4	7
111	Strain Dependence of Superconducting Properties for GdBCO Coated Conductor in High Field Under Tensile Load. IEEE Transactions on Applied Superconductivity, 2012, 22, 6600504-6600504.	1.7	7
112	A HAXPES measurement system up to 15 keV developed at BL46XU of SPring-8. Journal of Physics: Conference Series, 2014, 502, 012006.	0.4	7
113	Relationship between photostability and nanostructures in DTS(FBTTh2)2:fullerene bulk-heterojunction films. Solar Energy Materials and Solar Cells, 2016, 151, 96-101.	6.2	7
114	Evolution of crystallinity at a well-defined molecular interface of epitaxial C₆₀ on the single crystal rubrene. Journal of Physics Condensed Matter, 2019, 31, 154001.	1.8	7
115	High-temperature reliability of Ni/Nb ohmic contacts on 4H-SiC for harsh environment applications. Thin Solid Films, 2019, 669, 306-314.	1.8	7
116	Direct Correlation of Nanoscale Morphology and Device Performance to Study Photocurrent Generation in Donor-Enriched Phases of Polymer Solar Cells. ACS Applied Materials & Interfaces, 2020, 12, 28404-28415.	8.0	7
117	Interface Structures and Electronic States of Epitaxial Tetraazanaphthacene on Single-Crystal Pentacene. Materials, 2021, 14, 1088.	2.9	7
118	Effects of Annealing on Rubbed Polyimide Surface Studiedby Grazing-Incidence X-Ray Diffraction. IEICE Transactions on Electronics, 2009, E92-C, 1376-1381.	0.6	7
119	Quasi-Homoepitaxial Junction of Organic Semiconductors: A Structurally Seamless but Electronically Abrupt Interface between Rubrene and Bis(trifluoromethyl)dimethylrubrene. Journal of Physical Chemistry Letters, 2021, 12, 11430-11437.	4.6	7
120	Exploring Charge Transport in Highâ€Temperature Polymorphism of ITIC Derivatives in Simple Processed Unipolar Bottom Contact Organic Fieldâ€Effect Transistor. Advanced Electronic Materials, 2022, 8, .	5.1	7
121	Fabrication of Fully-Epitaxial Co$_{{{2}}}$MnSi/Ag/Co$_{{{2}}}$MnSi Giant Magnetoresistive Devices by Elevated Temperature Deposition. IEEE Transactions on Magnetics, 2013, 49, 5464-5468.	2.1	6
122	Effect of Oxygenâ€Containing Functional Side Chains on the Electronic Properties and Photovoltaic Performances in a Thiopheneâ€“Thiazolothiazole Copolymer System. Heteroatom Chemistry, 2014, 25, 556-564.	0.7	6
123	Crystal structure of oligothiophene thin films characterized by two-dimensional grazing incidence X-ray diffraction. Japanese Journal of Applied Physics, 2014, 53, 01AD01.	1.5	6
124	Synthesis, characterization, and application to polymer solar cells of polythiophene derivatives with ester- or ketone-substituted phenyl side groups. Journal of Polymer Science Part A, 2015, 53, 875-887.	2.3	6
125	Effects of applying bias voltage on metal-coated pentacene films on SiO2studied by hard X-ray photoelectron spectroscopy. Japanese Journal of Applied Physics, 2016, 55, 03DD09.	1.5	6
126	Ï€-Conjugation Effects of Oligo(thienylenevinylene) Side Chains in Semiconducting Polymers on Photovoltaic Performance. Macromolecules, 2017, 50, 3557-3564.	4.8	6

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127	Growth-temperature-dependent coalescence determines structural phase of mist-chemical-vapor-deposition-grown SnO2 thin films. Journal of Applied Physics, 2018, 124, 125303.	2.5	6
128	Fabrication of ionic liquid polycrystalline nano thin films and their ion conducting properties accompanied by solid-liquid phase transition. Thin Solid Films, 2019, 677, 77-82.	1.8	6
129	Fabrication of L10-type FeCo ordered structure using a periodic Ni buffer layer. AIP Advances, 2019, 9, 045307.	1.3	6
130	Structural Determination of the Epitaxial C₆₀ Overlayer on the Pentacene Single Crystal by Grazing Incidence X-ray Diffraction. Hyomen Kagaku, 2016, 37, 429-434.	0.0	6
131	Internal strain measurement for Nb₃Sn wires using synchrotron radiation. Superconductor Science and Technology, 2012, 25, 054004.	3.5	5
132	Control of residual strain and twin boundary by annealing under strain. Superconductor Science and Technology, 2013, 26, 065013.	3.5	5
133	5, 10-linked naphthodithiophenes as the building block for semiconducting polymers. Science and Technology of Advanced Materials, 2014, 15, 024201.	6.1	5
134	Effects of solvent vapor annealing on organic photovoltaics with a new type of solution-processable oligothiophene-based electronic donor material. Japanese Journal of Applied Physics, 2018, 57, 08RE09.	1.5	5
135	Structure control of a zinc tetraphenylporphyrin thin film by vapor annealing using fluorine containing solvent. Thin Solid Films, 2018, 665, 85-90.	1.8	5
136	Influence of Ni and Nb thickness on low specific contact resistance and high-temperature reliability of ohmic contacts to 4H-SiC. Japanese Journal of Applied Physics, 2019, 58, 116501.	1.5	5
137	Substrate-driven switchable molecular orientation in bulk heterojunction films identified using infrared reflection absorption spectroscopy. Molecular Systems Design and Engineering, 2020, 5, 559-564.	3.4	5
138	Structural investigation of ferroelectric BiFeO3â€“BaTiO3 solid solutions near the rhombohedralâ€“pseudocubic phase boundary. Applied Physics Letters, 2020, 116, .	3.3	5
139	Prolongation of the singlet exciton lifetime of nonfullerene acceptor films by the replacement of the central benzene core with naphthalene. Sustainable Energy and Fuels, 2021, 5, 2028-2035.	4.9	5
140	Effect of Rubbing on Polymers for Liquid Crystal Alignment Film Studied by Grazing-Incidence X-ray Diffraction and Reflection Ellipsometry. IEICE Transactions on Electronics, 2007, E90-C, 2070-2075.	0.6	5
141	Effect of Terminal-Group Halogenation of Naphthalene-Based Nonfullerene Acceptors on Their Film Structure and Photophysical and Photovoltaic Properties. ACS Applied Energy Materials, 2021, 4, 14022-14033.	5.1	5
142	ANISOTROPY OF MULTILAYERED (CU,C)BA₂CA₃CU₄<font SUPERCONDUCTORS STUDIED BY TORQUE MAGNETOMETRY. International Journal of Modern Physics B, 2007, 21, 3285-3289.	2.0	4
143	Study of Charge Trap Sites in SiN Films by Hard X-ray Photoelectron Spectroscopy. Japanese Journal of Applied Physics, 2010, 49, 04DD11.	1.5	4
144	Separated crystallization of donor and acceptor in oligo(p-phenylenevinylene)-naphthalenediimide dyad films. Synthetic Metals, 2014, 197, 175-181.	3.9	4

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145	A new instrumentation forin situcharacterization of the charge transport and crystallographic properties in co-evaporated organic thin film transistor. Molecular Crystals and Liquid Crystals, 2016, 636, 168-175.	0.9	4
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