

Tomoyuki Koganezawa

List of Publications by Year in descending order

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196
papers

5,384
citations

126708

33
h-index

98622

67
g-index

198
all docs

198
docs citations

198
times ranked

5971
citing authors

#	ARTICLE	IF	CITATIONS
1	Naphthobispyrazine Bisimide: A Strong Acceptor Unit for Conjugated Polymers Enabling Highly Coplanar Backbone, Short π - π Stacking, and High Electron Transport. <i>Chemistry of Materials</i> , 2022, 34, 2717-2729.	3.2	15
2	Synthesis of a novel A-b-(B-co-C)-type terpolymer with a regioregular poly(3-hexylthiophene) segment and its application to intrinsically stretchable transistor memory. <i>Materials Chemistry and Physics</i> , 2022, 281, 125911.	2.0	2
3	Exploring Charge Transport in High-Temperature Polymorphism of ITIC Derivatives in Simple Processed Unipolar Bottom Contact Organic Field-Effect Transistor. <i>Advanced Electronic Materials</i> , 2022, 8, .	2.6	7
4	In situ high-temperature X-ray diffraction measurements of $\text{Pb}(\text{Zr}_{0.58}\text{Ti}_{0.42})\text{O}_3$ epitaxial thin films grown on Si substrates. <i>Japanese Journal of Applied Physics</i> , 2022, 61, SN1012.	0.8	4
5	Exploration of Alkyl Group Effects on the Molecular Packing of 5,15-Disubstituted Tetrabenzoporphyrins toward Efficient Charge-Carrier Transport. <i>ACS Applied Materials & Interfaces</i> , 2022, 14, 32319-32329.	4.0	4
6	Improved ultraviolet stability of fullerene-based organic solar cells through light-induced enlargement and crystallization of fullerene domains. <i>Thin Solid Films</i> , 2022, 757, 139394.	0.8	1
7	Thickness dependencies of $\text{SiO}_2/\text{BaO}_x$ layers on interfacial properties of a layered gate dielectric on 4H-SiC. <i>Materials Science in Semiconductor Processing</i> , 2021, 121, 105343.	1.9	1
8	Comparative Study of Selenophene- and Thiophene-Containing n-Type Semiconducting Polymers for High Performance All-Polymer Solar Cells. <i>ACS Applied Polymer Materials</i> , 2021, 3, 49-59.	2.0	9
9	Prolongation of the singlet exciton lifetime of nonfullerene acceptor films by the replacement of the central benzene core with naphthalene. <i>Sustainable Energy and Fuels</i> , 2021, 5, 2028-2035.	2.5	5
10	Monitoring of Crystallization Process in Solution-Processed Pentacene Thin Films by Chemical Conversion Reactions. <i>Journal of Physical Chemistry C</i> , 2021, 125, 2437-2445.	1.5	2
11	Interface Structures and Electronic States of Epitaxial Tetraazaphthalene on Single-Crystal Pentacene. <i>Materials</i> , 2021, 14, 1088.	1.3	7
12	Analytical System for Simultaneous Operando Measurements of Electrochemical Reaction Rate and Hard X-ray Photoemission Spectroscopy. <i>Journal of the Electrochemical Society</i> , 2021, 168, 054506.	1.3	1
13	Insights into Microscopic Crystal Growth Dynamics of $\text{CH}_3\text{NH}_3\text{PbI}_3$ under a Laser Deposition Process Revealed by <i>In Situ</i> X-ray Diffraction. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 22559-22566.	4.0	3
14	Molecular arrangement in diphenylanthracene derivative films deposited under vacuum on in-plane oriented polythiophene films. <i>Japanese Journal of Applied Physics</i> , 2021, 60, 085504.	0.8	1
15	Substrate-Independent Control of Polymorphs in Tetraphenylporphyrin Thin Films by Varying the Solvent Evaporation Time Using a Simple Spin-Coating Technique. <i>Crystal Growth and Design</i> , 2021, 21, 5116-5125.	1.4	4
16	Epitaxial pillar-matrix nanocomposite thin films of BiTiFeO and CoFe_2O_4 grown on SrTiO_3 (110). <i>Journal of Applied Physics</i> , 2021, 130, 084101.	1.1	1
17	A comparative study of honeycomb-like 2D π -conjugated metal-organic framework chemiresistors: conductivity and channels. <i>Dalton Transactions</i> , 2021, 50, 13236-13245.	1.6	17
18	Extended π -Electron Delocalization in Quinoid-Based Conjugated Polymers Boosts Intrachain Charge Carrier Transport. <i>Chemistry of Materials</i> , 2021, 33, 8183-8193.	3.2	17

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19	Effect of Terminal-Group Halogenation of Naphthalene-Based Nonfullerene Acceptors on Their Film Structure and Photophysical and Photovoltaic Properties. <i>ACS Applied Energy Materials</i> , 2021, 4, 14022-14033.	2.5	5
20	Quasi-Homoepitaxial Junction of Organic Semiconductors: A Structurally Seamless but Electronically Abrupt Interface between Rubrene and Bis(trifluoromethyl)dimethylrubrene. <i>Journal of Physical Chemistry Letters</i> , 2021, 12, 11430-11437.	2.1	7
21	Impact of Noncovalent Sulfur-Fluorine Interaction Position on Properties, Structures, and Photovoltaic Performance in Naphthobisthiadiazole-Based Semiconducting Polymers. <i>Advanced Energy Materials</i> , 2020, 10, 1903278.	10.2	39
22	Substrate-driven switchable molecular orientation in bulk heterojunction films identified using infrared reflection absorption spectroscopy. <i>Molecular Systems Design and Engineering</i> , 2020, 5, 559-564.	1.7	5
23	Orbital-Energy Modulation of Tetrabenzoporphyrin-Derived Non-Fullerene Acceptors for Improved Open-Circuit Voltage in Organic Solar Cells. <i>Journal of Organic Chemistry</i> , 2020, 85, 168-178.	1.7	10
24	Designing High Performance Nonfullerene Electron Acceptors with Rylene Imides for Efficient Organic Photovoltaics. <i>Chemistry of Materials</i> , 2020, 32, 195-204.	3.2	32
25	Elucidating the impact of molecular weight on morphology, charge transport, photophysics and performance of all-polymer solar cells. <i>Journal of Materials Chemistry A</i> , 2020, 8, 21070-21083.	5.2	23
26	Epitaxial L1-FeNi films with high degree of order and large uniaxial magnetic anisotropy fabricated by denitriding FeNiN films. <i>Applied Physics Letters</i> , 2020, 116, .	1.5	13
27	Efficient Exciton Diffusion in Micrometer-Sized Domains of Nanographene-Based Nonfullerene Acceptors with Long Exciton Lifetimes in Blend Films with Conjugated Polymer. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 39236-39244.	4.0	10
28	Layer-by-Layer Growth Control of Metal-Organic Framework Thin Films Assembled on Polymer Films. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 50784-50792.	4.0	22
29	Electronic and Crystallographic Examinations of the Homoepitaxially Grown Rubrene Single Crystals. <i>Materials</i> , 2020, 13, 1978.	1.3	9
30	Direct Correlation of Nanoscale Morphology and Device Performance to Study Photocurrent Generation in Donor-Enriched Phases of Polymer Solar Cells. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 28404-28415.	4.0	7
31	Solution-Processable Organic Semiconductors Featuring S-Shaped Dinaphthothienothiophene (S-DNTT): Effects of Alkyl Chain Length on Self-Organization and Carrier Transport Properties. <i>Chemistry of Materials</i> , 2020, 32, 5350-5360.	3.2	33
32	High-Throughput and Autonomous Grazing Incidence X-ray Diffraction Mapping of Organic Combinatorial Thin-Film Library Driven by Machine Learning. <i>ACS Combinatorial Science</i> , 2020, 22, 348-355.	3.8	9
33	Effects of a Fluorinated Donor Polymer on the Morphology, Photophysics, and Performance of All-Polymer Solar Cells Based on Naphthalene Diimide-Arylene Copolymer Acceptors. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 16490-16502.	4.0	17
34	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. <i>Chemical Science</i> , 2020, 11, 3250-3257.	3.7	35
35	Structural investigation of ferroelectric BiFeO ₃ -BaTiO ₃ solid solutions near the rhombohedral-pseudocubic phase boundary. <i>Applied Physics Letters</i> , 2020, 116, .	1.5	5
36	Epitaxial growth of CH ₃ NH ₃ PbI ₃ on rubrene single crystal. <i>APL Materials</i> , 2020, 8, .	2.2	11

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37	CF ₄ :O ₂ surface etching for the improvement of contact resistance and high-temperature reliability in Ni/Nb ohmic contacts on n-type 4H-SiC. Japanese Journal of Applied Physics, 2020, 59, 056501.	0.8	2
38	Characterization of selectively oriented polycrystalline silicon thin films formed by multiline beam continuous-wave laser lateral crystallization with overlapping. Japanese Journal of Applied Physics, 2020, 59, 115504.	0.8	2
39	Selective growth of $\text{Fe}_{2}\text{O}_{3}$, $\text{Fe}_{3}\text{O}_{4}$ and $\text{Fe}_{2}\text{O}_{3}$ at low temperatures and under ambient pressure. Japanese Journal of Applied Physics, 2019, 58, 095504.	0.8	11
40	Performance of Si/PEDOT:PSS Solar Cell Controlled by Dipole Moment of Additives. Journal of Physical Chemistry C, 2019, 123, 20130-20135.	1.5	20
41	In situ residual stress analysis in a phenolic resin and copper composite material during curing. Polymer, 2019, 182, 121857.	1.8	14
42	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.	2.0	29
43	Alternative Face-on Thin Film Structure of Pentacene. Scientific Reports, 2019, 9, 579.	1.6	40
44	Evolution of crystallinity at a well-defined molecular interface of epitaxial C ₆₀ on the single crystal rubrene. Journal of Physics Condensed Matter, 2019, 31, 154001.	0.7	7
45	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.	0.8	6
46	Fabrication of L10-type FeCo ordered structure using a periodic Ni buffer layer. AIP Advances, 2019, 9, 045307.	0.6	6
47	Understanding Comparable Charge Transport Between Edge-on and Face-on Polymers in a Thiazolothiazole Polymer System. ACS Applied Polymer Materials, 2019, 1, 1257-1262.	2.0	18
48	Molecular Orientation: Control of Molecular Orientation in Organic Semiconductor Films using Weak Hydrogen Bonds (Adv. Mater. 18/2019). Advanced Materials, 2019, 31, 1970131.	11.1	0
49	Control of Molecular Orientation in Organic Semiconductor Films using Weak Hydrogen Bonds. Advanced Materials, 2019, 31, e1808300.	11.1	62
50	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.	8.8	134
51	Fabrication of $\text{L}_{1}\text{-FeNi}$ by pulsed-laser deposition. Applied Physics Letters, 2019, 114, .	1.5	16
52	Widely Dispersed Intermolecular Valence Bands of Epitaxially Grown Perfluoropentacene on Pentacene Single Crystals. Journal of Physical Chemistry Letters, 2019, 10, 1312-1318.	2.1	17
53	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.	0.8	5
54	Morphological Study of Blend Thin Films of Poly(3-hexylthiophene)-<i>block</i>-polyisobutylene-<i>block</i>-poly(3-hexylthiophene):Poly(3-hexylthiophene) and Their Application to Photovoltaics. Journal of Photopolymer Science and Technology = [Fotoporima Konwakai Shi], 2019, 32, 741-746.	0.1	4

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55	High-temperature reliability of Ni/Nb ohmic contacts on 4H-SiC for harsh environment applications. <i>Thin Solid Films</i> , 2019, 669, 306-314.	0.8	7
56	In Situ Residual Stress Analysis in a Glass-Fiber-Reinforced Phenolic Resin and Copper Composite Material During Curing. <i>Journal of the Adhesion Society of Japan</i> , 2019, 55, 421-426.	0.0	1
57	Oriented thin films of mixture of a low-bandgap polymer and a fullerene derivative prepared by friction-transfer method. <i>Japanese Journal of Applied Physics</i> , 2018, 57, 02CA06.	0.8	2
58	Temperature Dependent Epitaxial Growth of C ₆₀ Overlayers on Single Crystal Pentacene. <i>Advanced Materials Interfaces</i> , 2018, 5, 1800084.	1.9	15
59	Fabrication of L10-FeNi phase by sputtering with rapid thermal annealing. <i>Journal of Alloys and Compounds</i> , 2018, 750, 164-170.	2.8	15
60	Surface crystallographic structures of cellulose nanofiber films and overlayers of pentacene. <i>Japanese Journal of Applied Physics</i> , 2018, 57, 03EE02.	0.8	3
61	Crystallization and Polymorphism of Organic Semiconductor in Thin Film Induced by Surface Segregated Monolayers. <i>Scientific Reports</i> , 2018, 8, 481.	1.6	21
62	Semiconducting silicon-tin alloy nanocrystals with direct bandgap behavior for photovoltaic devices. <i>Materials Today Energy</i> , 2018, 7, 87-97.	2.5	15
63	Conjugated Polyelectrolyte Blend with Polyethyleneimine Ethoxylated for Thickness-Insensitive Electron Injection Layers in Organic Light-Emitting Devices. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 17318-17326.	4.0	27
64	Formation of (100)-oriented large polycrystalline silicon thin films with multiline beam continuous-wave laser lateral crystallization. <i>Japanese Journal of Applied Physics</i> , 2018, 57, 031302.	0.8	13
65	Surface morphology of vacuum-evaporated pentacene film on Si substrate studied by in situ grazing-incidence small-angle X-ray scattering: I. The initial stage of formation of pentacene film. <i>Japanese Journal of Applied Physics</i> , 2018, 57, 03EG12.	0.8	1
66	In situ characterization of the film coverage and the charge transport in the alkylated-organic thin film transistor. <i>Japanese Journal of Applied Physics</i> , 2018, 57, 03EG14.	0.8	2
67	Improvement in interlayer structure of n-type organic solar cells with the use of fullerene-linked tetrabenzoporphyrin as additive. <i>RSC Advances</i> , 2018, 8, 35237-35245.	1.7	2
68	Effects of solvent vapor annealing on organic photovoltaics with a new type of solution-processable oligothiophene-based electronic donor material. <i>Japanese Journal of Applied Physics</i> , 2018, 57, 08RE09.	0.8	5
69	Growth-temperature-dependent coalescence determines structural phase of mist-chemical-vapor-deposition-grown SnO ₂ thin films. <i>Journal of Applied Physics</i> , 2018, 124, 125303.	1.1	6
70	Correlation between Distribution of Polymer Orientation and Cell Structure in Organic Photovoltaics. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 32420-32425.	4.0	16
71	Molecular orientation control of semiconducting molecules using a metal layer formed by wet processing. <i>Organic Electronics</i> , 2018, 63, 47-51.	1.4	11
72	Ionic Conductivity in Ionic Liquid Nano Thin Films. <i>ACS Nano</i> , 2018, 12, 10509-10517.	7.3	31

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73	Structure control of a zinc tetraphenylporphyrin thin film by vapor annealing using fluorine containing solvent. <i>Thin Solid Films</i> , 2018, 665, 85-90.	0.8	5
74	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. <i>Physical Review B</i> , 2018, 97, .	1.1	47
75	All-Polymer Solar Cells with 9.4% Efficiency from Naphthalene Diimide-Biselenophene Copolymer Acceptor. <i>Chemistry of Materials</i> , 2018, 30, 6540-6548.	3.2	88
76	Organic Photovoltaic Devices Based on Oriented <i>n</i> -Type Molecular Films Deposited on Oriented Polythiophene Films. <i>Journal of Nanoscience and Nanotechnology</i> , 2018, 18, 2702-2710.	0.9	4
77	Organic Solar Cells with Controlled Nanostructures Based on Microphase Separation of Fullerene-Attached Thiophene-Selenophene Heteroblock Copolymers. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 4758-4768.	4.0	16
78	Crystallinity of the epitaxial heterojunction of C60 on single crystal pentacene. <i>Journal of Crystal Growth</i> , 2017, 468, 770-773.	0.7	14
79	Engineering Thin Films of a Tetrabenzoporphyrin toward Efficient Charge-Carrier Transport: Selective Formation of a Brickwork Motif. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 8211-8218.	4.0	16
80	π-Conjugation Effects of Oligo(thienylenevinylene) Side Chains in Semiconducting Polymers on Photovoltaic Performance. <i>Macromolecules</i> , 2017, 50, 3557-3564.	2.2	6
81	The influence of branched alkyl side chains in A oligothiophenes on the photovoltaic performance and morphology of solution-processed bulk-heterojunction solar cells. <i>Organic Chemistry Frontiers</i> , 2017, 4, 1561-1573.	2.3	24
82	Time evolution studies of dithieno[3,2-b:2',3'-d]pyrrole-based A oligothiophene bulk heterojunctions during solvent vapor annealing towards optimization of photocurrent generation. <i>Journal of Materials Chemistry A</i> , 2017, 5, 1005-1013.	5.2	19
83	Side-chain engineering in a thermal precursor approach for efficient photocurrent generation. <i>Journal of Materials Chemistry A</i> , 2017, 5, 14003-14011.	5.2	29
84	The effect of air exposure on the crystal structure of oligo-thiophene thin films investigated using in situ X-ray diffraction. <i>Journal of Crystal Growth</i> , 2017, 468, 816-820.	0.7	1
85	Regioisomer effects of [70]PCBM on film structures and photovoltaic properties of composite films with a crystalline conjugated polymer P3HT. <i>RSC Advances</i> , 2017, 7, 45697-45704.	1.7	10
86	Synthesis of regiorandom copolythiophene by Negishi catalyst-transfer polycondensation using $\text{Bu}_2\text{Zn} \cdot 2\text{LiCl}$. <i>Polymer Chemistry</i> , 2017, 8, 6143-6149.	1.9	9
87	Magnetic Anisotropy and Damping for Monolayer-Controlled Co Ni Epitaxial Multilayer. <i>Journal of the Physical Society of Japan</i> , 2017, 86, 074710.	0.7	11
88	Formation of epitaxial Ti-Si-C Ohmic contact on 4H-SiC C face using pulsed-laser annealing. <i>Applied Physics Letters</i> , 2017, 110, .	1.5	17
89	Stable ultrathin surfactant-free surface-engineered silicon nanocrystal solar cells deposited at room temperature. <i>Energy Science and Engineering</i> , 2017, 5, 184-193.	1.9	11
90	Epitaxial Growth of C ₆₀ on Rubrene Single Crystals for a Highly Ordered Organic Donor/Acceptor Interface. <i>Crystal Growth and Design</i> , 2017, 17, 4622-4627.	1.4	17

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91	A Series of Lithium Pyridyl Phenolate Complexes with a Pendant Pyridyl Group for Electron-Injection Layers in Organic Light-Emitting Devices. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 40541-40548.	4.0	8
92	Uniaxial orientation of P3HT film prepared by soft friction transfer method. <i>Scientific Reports</i> , 2017, 7, 5141.	1.6	26
93	Regioisomer effects of [70]fullerene mono-adduct acceptors in bulk heterojunction polymer solar cells. <i>Chemical Science</i> , 2017, 8, 181-188.	3.7	52
94	Heteroepitaxy of Perfluoropentacene (C ₂₂ F ₁₄) on the Single Crystal Surface of Pentacene (C ₂₂ H ₁₄). <i>Hyomen Kagaku</i> , 2017, 38, 324-329.	0.0	4
95	Hard x-ray photoelectron spectroscopy equipment developed at beamline BL46XU of SPring-8 for industrial researches. <i>AIP Conference Proceedings</i> , 2016, , .	0.3	16
96	Square-Centimeter-Sized High-Efficiency Polymer Solar Cells: How the Processing Atmosphere and Film Quality Influence Performance at Large Scale. <i>Advanced Energy Materials</i> , 2016, 6, 1600290.	10.2	26
97	Effects of applying bias voltage on metal-coated pentacene films on SiO ₂ studied by hard X-ray photoelectron spectroscopy. <i>Japanese Journal of Applied Physics</i> , 2016, 55, 03DD09.	0.8	6
98	Relationship between photostability and nanostructures in DTS(FBTTh ₂):fullerene bulk-heterojunction films. <i>Solar Energy Materials and Solar Cells</i> , 2016, 151, 96-101.	3.0	7
99	Epitaxial Growth of an Organic p-n Heterojunction: C ₆₀ on Single-Crystal Pentacene. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 13499-13505.	4.0	49
100	Enhancement of Out-of-Plane Mobilities of Three Poly(3-alkylthiophene)s and Associated Mechanism. <i>Journal of Physical Chemistry C</i> , 2016, 120, 23351-23357.	1.5	23
101	Terazulene Isomers: Polarity Change of OFETs through Molecular Orbital Distribution Contrast. <i>Journal of the American Chemical Society</i> , 2016, 138, 11335-11343.	6.6	132
102	Performance of Si/PEDOT:PSS Hybrid Solar Cell Controlled by PEDOT:PSS Film Nanostructure. <i>Journal of Physical Chemistry C</i> , 2016, 120, 19043-19048.	1.5	46
103	Implication of Fluorine Atom on Electronic Properties, Ordering Structures, and Photovoltaic Performance in Naphthobisthiadiazole-Based Semiconducting Polymers. <i>Journal of the American Chemical Society</i> , 2016, 138, 10265-10275.	6.6	319
104	Thermal stabilization of organic photovoltaic cells using [6,6]-phenyl C ₆₁ -butyric acid methyl ester analogs: Effects of alkyl substituents on the nanostructures of bulk heterojunction films and their stabilities. <i>Synthetic Metals</i> , 2016, 221, 61-66.	2.1	3
105	A new instrumentation for <i>in situ</i> characterization of the charge transport and crystallographic properties in co-evaporated organic thin film transistor. <i>Molecular Crystals and Liquid Crystals</i> , 2016, 636, 168-175.	0.4	4
106	Synthesis and FET characterization of novel ambipolar and low-bandgap naphthalene-diimide-based semiconducting polymers. <i>Journal of Polymer Science Part A</i> , 2016, 54, 359-367.	2.5	8
107	Photoprecursor Approach Enables Preparation of Well-Performing Bulk-Heterojunction Layers Comprising a Highly Aggregating Molecular Semiconductor. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 8644-8651.	4.0	11
108	Sequentially Different AB Diblock and ABA Triblock Copolymers as P3HT:PCBM Interfacial Compatibilizers for Bulk-Heterojunction Photovoltaics. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 5484-5492.	4.0	34

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109	Interface-induced crystallization and nanostructure formation of [6,6]-phenyl-C ₆₁ -butyric acid methyl ester (PCBM) in polymer blend films and its application in photovoltaics. <i>Journal of Materials Chemistry A</i> , 2016, 4, 3335-3341.	5.2	14
110	Amide-bridged terphenyl and dithienylbenzene units for semiconducting polymers. <i>RSC Advances</i> , 2016, 6, 16437-16447.	1.7	4
111	Structural Determination of the Epitaxial C ₆₀ Overlayer on the Pentacene Single Crystal by Grazing Incidence X-ray Diffraction. <i>Hyomen Kagaku</i> , 2016, 37, 429-434.	0.0	6
112	Hole mobility enhancement of MEH-PPV film by heat treatment at <i>T</i> . <i>AIP Advances</i> , 2015, 5, .	0.6	13
113	Efficient inverted polymer solar cells employing favourable molecular orientation. <i>Nature Photonics</i> , 2015, 9, 403-408.	15.6	769
114	Oriented Thin Films of the Low-Band-Gap Polymer PTB7 by Friction Transfer Method. <i>Molecular Crystals and Liquid Crystals</i> , 2015, 621, 118-123.	0.4	3
115	Synthesis and Characterization of ABC-Type Asymmetric Star Polymers Comprised of Poly(3-hexylthiophene), Polystyrene, and Poly(2-vinylpyridine) Segments. <i>Macromolecules</i> , 2015, 48, 245-255.	2.2	33
116	Crystallization-Induced Energy Level Change of [6,6]-Phenyl-C ₆₁ -Butyric Acid Methyl Ester (PCBM) Film: Impact of Electronic Polarization Energy. <i>Journal of Physical Chemistry C</i> , 2015, 119, 23-28.	1.5	44
117	Synthesis, characterization, and application to polymer solar cells of polythiophene derivatives with ester- or ketone-substituted phenyl side groups. <i>Journal of Polymer Science Part A</i> , 2015, 53, 875-887.	2.5	6
118	Crystallization Dynamics of Organolead Halide Perovskite by Real-Time X-ray Diffraction. <i>Nano Letters</i> , 2015, 15, 5630-5634.	4.5	77
119	Synthesis and Isolation of <i>cis</i> -2 Regiospecific Ethylene-Tethered Indene Dimer-[70]Fullerene Adduct for Polymer Solar Cell Applications. <i>ACS Applied Materials & Interfaces</i> , 2015, 7, 16676-16685.	4.0	34
120	Thienothiophene-2,5-Dione-Based Donor-Acceptor Polymers: Improved Synthesis and Influence of the Donor Units on Ambipolar Charge Transport Properties. <i>Advanced Electronic Materials</i> , 2015, 1, 1500039.	2.6	32
121	Synthesis of 1,3,4-thiadiazole-based donor-acceptor alternating copolymers for polymer solar cells with high open-circuit voltage. <i>Polymer Journal</i> , 2015, 47, 513-521.	1.3	12
122	Enhancement of Out-of-plane Mobility in P3HT Film by Rubbing: Aggregation and Planarity Enhanced with Low Regioregularity. <i>Journal of Physical Chemistry C</i> , 2015, 119, 7987-7995.	1.5	49
123	A single <i>cis</i> -2 regioisomer of ethylene-tethered indene dimer-fullerene adduct as an electron-acceptor in polymer solar cells. <i>Chemical Communications</i> , 2015, 51, 8233-8236.	2.2	36
124	Influence of 4-fluorophenyl pendants in thieno[3,4- <i>b</i>]thiophene-benzo[1,2- <i>b</i> :4,5- <i>b'</i>]-dithiophene-based polymers on the performance of photovoltaics. <i>Journal of Polymer Science Part A</i> , 2015, 53, 1586-1593.	2.5	3
125	Structural and magnetic properties of FeNi thin films fabricated on amorphous substrates. <i>Journal of Applied Physics</i> , 2015, 117, .	1.1	20
126	Molecular engineering of benzothienoisoindigo copolymers allowing highly preferential face-on orientations. <i>Journal of Materials Chemistry A</i> , 2015, 3, 21578-21585.	5.2	21

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127	Hard X-ray Photoemission Spectroscopy at Beamline BL46XU of SPring-8. <i>Journal of Surface Analysis (Online)</i> , 2015, 21, 121-129.	0.1	13
128	Face-On Oriented π -Conjugated Polymers Containing 1,3,4-Thiadiazole Moiety Investigated with Synchrotron GIXS Measurements: Relationship between Morphology and PSC Performance. <i>Journal of Photopolymer Science and Technology</i> = [Fotoporima Konwakai Shi], 2014, 27, 351-356.	0.1	2
129	Microscopic structure and electrical transport property of sputter-deposited amorphous indium-gallium-zinc oxide semiconductor films. <i>Journal of Physics: Conference Series</i> , 2014, 518, 012001.	0.3	12
130	5, 10-linked naphthodithiophenes as the building block for semiconducting polymers. <i>Science and Technology of Advanced Materials</i> , 2014, 15, 024201.	2.8	5
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