Tatsuo Hasegawa

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/89869/publications.pdf

Version: 2024-02-01

		50566	60403
235	8,447	48	85
papers	citations	h-index	g-index

237	237	237	9443
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Insulating Polymer Blend Organic Thin-Film Transistors Based on Bilayer-Type Alkylated Benzothieno[3,2-b]naphtho[2,3-b]thiophene. ACS Applied Materials & Interfaces, 2022, 14, 17719-17726.	4.0	10
2	Emerging Disordered Layered-Herringbone Phase in Organic Semiconductors Unveiled by Electron Crystallography. Chemistry of Materials, 2022, 34, 72-83.	3.2	26
3	Excitonic optical spectra and energy structures in a one-dimensional Mott insulator demonstrated by applying a many-body Wannier functions method to a charge model. Physical Review B, 2021, 103, .	1.1	7
4	Heavy carrier doping by hydrogen in the spin-orbit coupled Mott insulator <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:msub><mml:mi>Sr</mml:mi><mml:mn>2</mml:mn></mml:msub><mml:mi>Ir</mml:mi><mml:mn>1</mml:mn></mml:r Physical Review B, 2021, 104, .	1.1	4
5	Architecting Layered Crystalline Organic Semiconductors Based on Unsymmetric Ï€-Extended Thienoacenes. Chemistry of Materials, 2021, 33, 7379-7385.	3.2	26
6	Field-Induced Electron Spin Resonance of Site-Selective Carrier Accumulation in Field-Effect Transistors Composed of Organic Semiconductor Solid Solutions. Physical Review Applied, 2021, 16, .	1.5	1
7	Giant Enhancement of Excitonic Electro-optic Response in Trap-Reduced Organic Transistors. Physical Review Applied, 2021, 16, .	1.5	2
8	Approaching Trapâ€Minimized Polymer Thinâ€Film Transistors. Advanced Functional Materials, 2021, 31, 2105933.	7.8	8
9	Phase transition and domain formation in ferroaxial crystals. Physical Review Materials, 2021, 5, .	0.9	17
10	Layeredâ€Herringbone Polymorphs and Alkylâ€Chain Ordering in Molecular Bilayer Organic Semiconductors. Advanced Functional Materials, 2020, 30, 1906406.	7.8	21
11	Meniscus-controlled printing of single-crystal interfaces showing extremely sharp switching transistor operation. Science Advances, 2020, 6, .	4.7	45
12	Anomalous Hydrodynamic Size Distributions of Alkylamine/Alkylacid-Encapsulated Silver Nanocolloids: Implications for Printing Ultrafine Conductive Patterns. ACS Applied Nano Materials, 2020, 3, 6884-6891.	2.4	2
13	Regioisomeric control of layered crystallinity in solution-processable organic semiconductors. Chemical Science, 2020, 11, 12493-12505.	3.7	25
14	Visualization of ferroaxial domains in an order-disorder type ferroaxial crystal. Nature Communications, 2020, 11, 4582.	5.8	38
15	Birefringent Field-Modulation Imaging of Transparent Ferroelectrics. Physical Review Applied, 2020, 14, .	1.5	10
16	Observation of the Three-Dimensional Polarization Vector in Films of Organic Molecular Ferroelectrics Using Terahertz Radiation Emission. Physical Review Applied, 2020, 14, .	1.5	5
17	Architecting layered molecular packing in substituted benzobisbenzothiophene (BBBT) semiconductor crystals. CrystEngComm, 2020, 22, 3618-3626.	1.3	18
18	Ferroelectrics field modulation imaging: A useful technique for domain and domain-wall observations. Ferroelectrics, 2020, 556, 37-43.	0.3	2

#	Article	IF	Citations
19	Protein and Organic-Molecular Crystallography With 300kV Electrons on a Direct Electron Detector. Frontiers in Molecular Biosciences, 2020, 7, 612226.	1.6	18
20	Trap-state suppression and band-like transport in bilayer-type organic semiconductor ultrathin single crystals. Physical Review Materials, 2020, 4, .	0.9	12
21	Spin Dynamics in the Mixed Stack Charge Transfer Complex, (BEDO-TTF)(Cl2TCNQ). Journal of the Physical Society of Japan, 2020, 89, 074706.	0.7	0
22	Phase and Dispersion Stability of Silver Nanocolloids for Nanoparticle-Chemisorption Printing. ACS Applied Nano Materials, 2019, 2, 4342-4349.	2.4	6
23	Use of surface photo-reactive nanometal printing for polymer thin-film transistors: contact resistance and short-channel effects. MRS Communications, 2019, 9, 1181-1185.	0.8	0
24	Field-Modulation Imaging of Ferroelectric Domains in Molecular Single-Crystal Films. Physical Review Applied, 2019, 11, .	1.5	12
25	Plastic/Ferroelectric Crystals with Easily Switchable Polarization: Low-Voltage Operation, Unprecedentedly High Pyroelectric Performance, and Large Piezoelectric Effect in Polycrystalline Forms. Journal of the American Chemical Society, 2019, 141, 9349-9357.	6.6	132
26	Advances in device fabrication scale-up methods. , 2019, , 579-597.		3
27	Bilayer-type Layered Herringbone Packing in 3-n-Octyl-9-phenyl-benzothieno[3,2-b]naphtho[2,3-b]thiophene. Chemistry Letters, 2019, 48, 453-456.	0.7	19
28	Biexciton in one-dimensional Mott insulators. Communications Physics, 2019, 2, .	2.0	11
29	Advanced Printed Electronics â€“ Materials and Junction Technologies. , 2019, , .		0
30	Nanosecond Time-Resolved Microscopic Gate-Modulation Imaging of Polycrystalline Organic Thin-Film Transistors. Physical Review Applied, 2018, 9, .	1.5	7
31	Semiconductive Single Molecular Bilayers Realized Using Geometrical Frustration. Advanced Materials, 2018, 30, e1707256.	11.1	89
32	Microscopic gate-modulation imaging of charge and field distribution in polycrystalline organic transistors. Journal of Applied Physics, 2018, 123, .	1.1	11
33	Highâ€Performance nâ€Channel Organic Transistors Using Highâ€Molecularâ€Weight Electronâ€Deficient Copolymers and Amineâ€Tailed Selfâ€Assembled Monolayers. Advanced Materials, 2018, 30, e1707164.	11.1	97
34	Fast optical inspection of operations of large-area active-matrix backplane by gate modulation imaging. Organic Electronics, 2018, 55, 187-193.	1.4	10
35	SuPR-NaP Technique for Printing Ultrafine Silver Electrodes and its Use for Low-Voltage Operation of Organic Thin-Film Transistors. MRS Advances, 2018, 3, 2931-2936.	0.5	0
36	Effects of tunneling-based access resistance in layered single-crystalline organic transistors. Journal of Materials Research, 2018, 33, 2350-2363.	1.2	14

#	Article	IF	Citations
37	Extended and Modulated Thienothiophenes for Thermally Durable and Solution-Processable Organic Semiconductors. Chemistry of Materials, 2018, 30, 5050-5060.	3.2	33
38	Unique coexistence of dispersion stability and nanoparticle chemisorption in alkylamine/alkylacid encapsulated silver nanocolloids. Scientific Reports, 2018, 8, 6133.	1.6	11
39	Enhanced Layered-Herringbone Packing due to Long Alkyl Chain Substitution in Solution-Processable Organic Semiconductors. Chemistry of Materials, 2017, 29, 1245-1254.	3.2	117
40	Reply to Comment on Polymorphism in the 1:1 Chargeâ€Transfer Complex DBTTFâ€TCNQ and Its Effects on Optical and Electronic Properties. Advanced Electronic Materials, 2017, 3, 1600521.	2.6	2
41	Strong carrier localization in 3d transition metal oxynitride LaVO_{3â^'x}N_x epitaxial thin films. Journal of Materials Chemistry C, 2017, 5, 1798-1802.	2.7	8
42	Unidirectionally Crystallized Stable nâ€Type Organic Thinâ€Film Transistors Based on Solutionâ€Processable Donorâ€“Acceptor Compounds. Advanced Electronic Materials, 2017, 3, 1700097.	2.6	14
43	Interface-Mediated Self-Assembly in Inkjet Printing of Single-Crystal Organic Semiconductor Films. Journal of Physical Chemistry C, 2017, 121, 8796-8803.	1.5	25
44	Surface modification of printed silver electrodes for efficient carrier injection in organic thin-film transistors. Organic Electronics, 2017, 41, 137-142.	1.4	22
45	Generating one-dimensional micro- or nano-structures with in-plane alignment by vapor-driven wetting kinetics. Materials Horizons, 2017, 4, 259-267.	6.4	9
46	Topotactic fluorination of perovskite strontium ruthenate thin films using polyvinylidene fluoride. CrystEngComm, 2017, 19, 313-317.	1.3	19
47	Self-assembly of donorâ€“acceptor semiconducting polymers in solution thin films: a molecular dynamics simulation study. Journal of Materials Chemistry C, 2017, 5, 9602-9610.	2.7	5
48	Low-voltage operation of organic thin-film transistors based on ultrafine printed silver electrodes. Organic Electronics, 2017, 50, 426-428.	1.4	17
49	Tunneling and Origin of Large Access Resistance in Layered-Crystal Organic Transistors. Physical Review Applied, 2017, 8, .	1.5	51
50	Reduced exchange narrowing caused by gate-induced charge carriers in high-mobility donorâ€“acceptor copolymers. Physical Review B, 2017, 95, .	1.1	9
51	Structural and Magnetic Properties of FeCo Thin Films. , 2016, , .		0
52	Stable Delocalized Singlet Biradical Hydrocarbon for Organic Fieldâ€Effect Transistors. Advanced Functional Materials, 2016, 26, 277-283.	7.8	57
53	Formation of defect-fluorite structured NdNiO_xH_y epitaxial thin films via a soft chemical route from NdNiO₃ precursors. Dalton Transactions, 2016, 45, 12114-12118.	1.6	23
54	Electronic structure of stable n-type semiconducting molecular complex (diC8-BTBT)(TCNQ) studied by ultraviolet photoemission and inverse photoemission spectroscopy. Organic Electronics, 2016, 39, 184-190.	1.4	6

#	Article	IF	Citations
55	Polymorphism in the 1:1 Chargeâ€Transfer Complex DBTTFâ€“TCNQ and Its Effects on Optical and Electronic Properties. Advanced Electronic Materials, 2016, 2, 1600203.	2.6	83
56	Nanoparticle chemisorption printing technique for conductive silver patterning with submicron resolution. Nature Communications, 2016, 7, 11402.	5.8	104
57	Molecular Requirements for Printable Organic Semiconductors in 7-Alky1-2-phenyl[1]benzothieno[3,2-b][1]benzothiophenes (Ph-BTBT-Cnâ€™s). MRS Advances, 2016, 1, 2653-2658.	0.5	0
58	Printed Electronics: Underlying Mechanism of Inkjet Printing of Uniform Organic Semiconductor Films Through Antisolvent Crystallization (Adv. Funct. Mater. 26/2015). Advanced Functional Materials, 2015, 25, 4021-4021.	7.8	0
59	THz-Frequency Modulation of the Hubbard<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mi>U</mml:mi></mml:math>in an Organic Mott Insulator. Physical Review Letters, 2015, 115, 187401.	2.9	69
60	Underlying Mechanism of Inkjet Printing of Uniform Organic Semiconductor Films Through Antisolvent Crystallization. Advanced Functional Materials, 2015, 25, 4022-4031.	7.8	28
61	Fewâ€Volt Operation of Printed Organic Ferroelectric Capacitor. Advanced Materials, 2015, 27, 6475-6481.	11.1	38
62	Effects of Substituted Alkyl Chain Length on Solution-Processable Layered Organic Semiconductor Crystals. Chemistry of Materials, 2015, 27, 3809-3812.	3.2	144
63	Charge transport and device physics of layered-crystalline organic semiconductors (Presentation) Tj ETQq1 1 0.784314 rgBT /Overloc		0
64	N-type field-effect transistors based on layered crystalline donorâ€“acceptor semiconductors with dialkylated benzothienobenzothiophenes as electron donors. Journal of Materials Chemistry C, 2015, 3, 1976-1981.	2.7	83
65	Electron-deficient acene-based liquid crystals: dialkoxydicyanopyrazinoquinoxalines. Journal of Materials Chemistry C, 2015, 3, 3016-3022.	2.7	9
66	Gate-modulation imaging of organic thin-film transistor arrays: Visualization of distributed mobility and dead pixels. Organic Electronics, 2015, 25, 289-294.	1.4	14
67	Physics of Organic Field-Effect Transistors and the Materials. , 2015, , 1-41.		0
68	Uniaxially oriented polycrystalline thin films and air-stable n-type transistors based on donor-acceptor semiconductor (diC8BTBT)(FnTCNQ) [nâ€‰=â€‰0, 2, 4]. Applied Physics Letters, 2015, 106, .	1.5	46
69	Polymorphism in the organic charge-transfer complex dibenzotetrathiafulvalene-7,7,8,8-tetracyanoquinodimethane (DBTTF-TCNQ) and its effect on optical and electrical properties (Presentation Recording). Proceedings of SPIE, 2015, , .	0.8	0
70	DFT-based ab initio MD simulation of the ionic conduction in doped ZrO₂systems under epitaxial strain. Physical Chemistry Chemical Physics, 2015, 17, 29057-29063.	1.3	21
71	Double-Shot Inkjet Printing Technique for Manufacturing Molecular Single-Crystal Films. Journal of the Japan Society of Colour Material, 2015, 88, 35-38.	0.0	0
72	Formation of relaxed charge-transfer excitons in donorâ€“acceptor-type polymer solar cells. Japanese Journal of Applied Physics, 2014, 53, 05HB12.	0.8	6

#	Article	IF	Citations
73	Quantum confinement effect in Bi anti-dot thin films with tailored pore wall widths and thicknesses. Applied Physics Letters, 2014, 104, 023106.	1.5	4
74	Pressure-Dependent Relaxation in the Photoexcited Mott Insulator<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:mi>ET</mml:mi><mml:mo>â€“</mml:mo><mml:msub><mml:mrow><mml:mi mathvariant="normal">F</mml:mi></mml:mrow><mml:mrow><mml:mn>2</mml:mn></mml:mrow></mml:msub><mml:mi>TCNQ</mm Influence of Hopping and Correlations on Quasiparticle Recombination Rates. Physical Review Letters, 2014, 112, 117801.	2.9	58
75	Crystalline film growth of TIPS-pentacene by double-shot inkjet printing technique. Japanese Journal of Applied Physics, 2014, 53, 05HC10.	0.8	16
76	Crystal structure of asymmetric organic semiconductor 7-decyl-2-phenyl[1]benzothieno[3,2-b][1]benzothiophene. Applied Physics Express, 2014, 7, 091601.	1.1	52
77	Topotactic fluorination of strontium iron oxide thin films using polyvinylidene fluoride. Journal of Materials Chemistry C, 2014, 2, 5350-5356.	2.7	38
78	Optical Properties of a Vibrationally Modulated Solid State Mott Insulator. Scientific Reports, 2014, 4, 3823.	1.6	40
79	Electroabsorption Study of Charge-Transfer Excited State in Donor-Acceptor-Type Polymer. Transactions of the Materials Research Society of Japan, 2014, 39, 217-219.	0.2	2
80	Distribution of the Impurity Resonance Energy in Bi2Sr2CaCu2O8+Î´ Observed by Scanning Tunneling Spectroscopy. Journal of Superconductivity and Novel Magnetism, 2013, 26, 2633-2635.	0.8	1
81	Charge Separation and Recombination of Charge-Transfer Excitons in Donorâ€“Acceptor Polymer Solar Cells. Journal of Physical Chemistry C, 2013, 117, 16769-16773.	1.5	20
82	Full compensation of oxygen vacancies in EuTiO3 (001) epitaxial thin film stabilized by a SrTiO3 surface protection layer. Applied Physics Letters, 2013, 102, .	1.5	20
83	Low temperature resistivity, thermoelectricity, and power factor of Nb doped anatase TiO2. Applied Physics Letters, 2013, 102, 013901.	1.5	13
84	Competition between Exciplex Formation and Photocarrier Generation in Molecular-Scale Donor-Acceptor Heterojunctions. Materials Research Society Symposia Proceedings, 2013, 1435, 55.	0.1	0
85	Fabrication and Raman scattering study of epitaxial VO2 films on MgF2 (001) substrates. Applied Physics Letters, 2013, 103, .	1.5	49
86	Observation and simulation of microdroplet shapes on surface-energy-patterned substrates: Contact line engineering for printed electronics. Journal of Applied Physics, 2013, 114, .	1.1	11
87	ESR Anisotropy of Organic Semiconductor Molecules: Calculation and Experiment. Materials Research Society Symposia Proceedings, 2012, 1436, 6.	0.1	0
88	Enhanced coercivity of half-metallic La0.7Sr0.3MnO3 by Ru substitution under in-plane uniaxial strain. Journal of Applied Physics, 2012, 111, 07B102.	1.1	2
89	Distribution of localized states from fine analysis of electron spin resonance spectra of organic semiconductors: Physical meaning and methodology. Physical Review B, 2012, 85, .	1.1	20
90	Generation and Diffusion of Photocarriers in Molecular Donorâ€“Acceptor Systems: Dependence on Charge-Transfer Gap Energy. Journal of Physical Chemistry C, 2012, 116, 23957-23964.	1.5	34

#	Article	IF	Citations
91	Simple push coating of polymer thin-film transistors. Nature Communications, 2012, 3, 1176.	5.8	111
92	Correlation between interdomain carrier hopping and apparent mobility in polycrystalline organic transistors as investigated by electron spin resonance. Physical Review B, 2012, 85, .	1.1	50
93	Hybrid Energy-Minimization Simulation of Equilibrium Droplet Shapes on Hydrophilic/Hydrophobic Patterned Surfaces. Langmuir, 2012, 28, 15450-15453.	1.6	36
94	Impurity Resonance States in Bi2Sr1.6La0.4CuO6+Î´. Journal of Superconductivity and Novel Magnetism, 2012, 25, 1263-1265.	0.8	2
95	Inkjet printing of single-crystal films. Nature, 2011, 475, 364-367.	13.7	1,565
96	Quantum interference between charge excitation paths in a solid-state Mott insulator. Nature Physics, 2011, 7, 114-118.	6.5	134
97	Optical pump-probe spectroscopy of photocarriers in rubrene single crystals. Physical Review B, 2011, 83, .	1.1	34
98	Scanning Tunneling Spectroscopy on Overdoped Bi2Sr2â^'x La x CuO6+Î´. Journal of Superconductivity and Novel Magnetism, 2010, 23, 771-773.	0.8	9
99	Ultrafast charge dynamics in organic one-dimensional Mott insulators. Physica B: Condensed Matter, 2010, 405, S357-S359.	1.3	6
100	Double-shot inkjet printing of donorâ€“acceptor-type organic charge-transfer complexes: Wet/nonwet definition and its use for contact engineering. Thin Solid Films, 2010, 518, 3988-3991.	0.8	8
101	High-mobility copper-phthalocyanine field-effect transistors with tetratetracontane passivation layer and organic metal contacts. Journal of Applied Physics, 2010, 107, .	1.1	96
102	Competition between Charge-Transfer Exciton Dissociation and Direct Photocarrier Generation in Molecular Donor-Acceptor Compounds. Physical Review Letters, 2010, 105, 226601.	2.9	39
103	Study on Dispersion of TiO2 Particles During Polymerization of PET. Composite Interfaces, 2010, 17, 677-687.	1.3	0
104	Electric-Field Control of Solitons in a Ferroelectric Organic Charge-Transfer Salt. Physical Review Letters, 2010, 104, 227602.	2.9	53
105	Distribution of Localized States from Fine Analysis of Electron Spin Resonance Spectra in Organic Transistors. Physical Review Letters, 2010, 104, 056602.	2.9	66
106	High performance organic thin-film transistors based on hexamethylenetetrathiafulvalene lying flat-on-surface with non-layered packing motif. Journal of Materials Chemistry, 2010, 20, 5810.	6.7	23
107	Cupric chloride<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:msub><mml:mrow><mml:mtext>CuCl</mml:mtext></mml:mrow><mml:mn>2</mml:mn></mml:m an<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:mi>S</mml:mi><mml:mo>=</mml:mo><mml:mstyle scriptlevel="1"><mml:mfrac bevelled="false"><mml:mn>1</mml:mn><mml:mn>2</mml:mn></mml:mfrac></mml:mstyle></mml:mrow></mml:math>chain	1.1	69
108	Field-modulation spectroscopy of pentacene thin films using field-effect devices: Reconsideration of the excitonic structure. Physical Review B, 2010, 82, .	1.1	33

#	Article	IF	Citations
109	Controlling â€œMottnessâ€•in a Correlated Electron System via Coherent Vibrational Excitation. , 2010, , .		0
110	Visualization of accumulated charge density in operating organic thin-film transistors. Applied Physics Letters, 2009, 95, .	1.5	15
111	Superconductor-insulator phase transition in single-crystalLa2â^'xSrxCuO4films grown by the liquid-phase epitaxy method. Physical Review B, 2009, 80, .	1.1	0
112	Bias stress and condensation of mobile trap agents in printed organic transistors. Applied Physics Letters, 2009, 95, 223304.	1.5	5
113	Direct Observation of Field-Induced Carrier Dynamics in Pentacene Thin-Film Transistors by Electron Spin Resonance Spectroscopy. Japanese Journal of Applied Physics, 2009, 48, 04C175.	0.8	11
114	Tuning of Metalâ€“Insulator Transition of Quasi-Two-Dimensional Electrons at Parylene/SrTiO3 Interface by Electric Field. Journal of the Physical Society of Japan, 2009, 78, 083713.	0.7	7
115	Field-Induced ESR Spectroscopy on Rubrene Single-Crystal Field-Effect Transistors. Materials Research Society Symposia Proceedings, 2009, 1154, 1.	0.1	8
116	Organic field-effect transistors using single crystals. Science and Technology of Advanced Materials, 2009, 10, 024314.	2.8	332
117	High-performance dinaphtho-thieno-thiophene single crystal field-effect transistors. Applied Physics Letters, 2009, 95, .	1.5	141
118	Clocking the Collapse of a Mott Gap. Springer Series in Chemical Physics, 2009, , 167-169.	0.2	1
119	Solâ€“gel synthesized powder and pulsed laser deposited film of amorphous indium zinc oxides doped with Fe. Hyperfine Interactions, 2008, 184, 123-128.	0.2	1
120	Solid phase epitaxy of ferrimagnetic Y3Fe5O12 garnet thin films. Applied Physics Letters, 2008, 93, .	1.5	25
121	Ultrafast Charge Dynamics in One-Dimensional Organic Mott Insulators. Journal of the Physical Society of Japan, 2008, 77, 113714.	0.7	34
122	Landscape of Combinatorial Materials Exploration and High Throughput Characterizations for the Post-CMOS Devices. International Power Modulator Symposium and High-Voltage Workshop, 2008, , .	0.0	1
123	Polaron Motional Narrowing of Electron Spin Resonance in Organic Field-Effect Transistors. Physical Review Letters, 2008, 100, 126601.	2.9	86
124	Control of film morphology and its effects on subthreshold characteristics in dibenzotetrathiafulvalene organic thin-film transistors. Applied Physics Letters, 2008, 92, .	1.5	29
125	Structural study of TiO2-based transparent conducting films. Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films, 2008, 26, 1027-1029.	0.9	10
126	Suppression of rectification at metalâ€“Mott insulator interfaces. Physical Review B, 2007, 76, .	1.1	19

#	Article	IF	Citations
127	Photoinduced Metallic State Mediated by Spin-Charge Separation in a One-Dimensional Organic Mott Insulator. Physical Review Letters, 2007, 98, 037401.	2.9	145
128	Fabrication of highly conductive Ti1â^'xNbxO2 polycrystalline films on glass substrates via crystallization of amorphous phase grown by pulsed laser deposition. Applied Physics Letters, 2007, 90, 212106.	1.5	146
129	Down to the Quantum Limit at the Neutral-to-Ionic Phase Transition of (BEDT-TTF)-(ClMe-TCNQ):Â Symmetry Analysis and Phase Diagram. Journal of Physical Chemistry B, 2007, 111, 6167-6172.	1.2	5
130	High Mobility Organic Field-Effect Transistor Based on Hexamethylenetetrathiafulvalene with Organic Metal Electrodes. Chemistry of Materials, 2007, 19, 6382-6384.	3.2	100
131	Onâ€Substrate Synthesis of Molecular Conductor Films and Circuits. Advanced Materials, 2007, 19, 3248-3251.	11.1	53
132	Neutral-Ionic Transition of (BEDT-TTF)(ClMeTCNQ) Studied by ESR Under Pressure. Journal of Low Temperature Physics, 2007, 142, 649-652.	0.6	0
133	Magnetic Correlation in BETS2(Cl2TCNQ). Journal of Low Temperature Physics, 2007, 142, 657-660.	0.6	0
134	Carrier induced ferromagnetism in Nb doped Co:TiO2 and Fe:TiO2 epitaxial thin film. Journal of Applied Physics, 2006, 99, 08M121.	1.1	26
135	Organic metal electrodes for controlled p- and n-type carrier injections in organic field-effect transistors. Applied Physics Letters, 2006, 88, 073504.	1.5	131
136	Neutral-Ionic Transition, Ferroelectricity, and Field-Effect Transistors Based on Molecular Donor-Acceptor Compounds. Molecular Crystals and Liquid Crystals, 2006, 455, 295-304.	0.4	8
137	Molecular Donorâ€"Acceptor Compounds as Prospective Organic Electronics Materials. Journal of the Physical Society of Japan, 2006, 75, 051016.	0.7	97
138	Field-effect Characteristics of a One-dimensional Platinum Chain Compound, Bis(1,2-benzoquinonedioximato)platinum(II). Chemistry Letters, 2006, 35, 302-303.	0.7	13
139	Neutral-ionic transition of (BEDT-TTF)(ClMeTCNQ) studied by ESR under pressure. Journal of Low Temperature Physics, 2006, 142, 637-640.	0.6	0
140	Magnetic correlation in BETS2(Cl2TCNQ). Journal of Low Temperature Physics, 2006, 142, 647-650.	0.6	1
141	Large magnetic anisotropy in highlyc-axis-orientedRuEu1.5Ce0.5Sr2Cu2O10â^Î´epitaxial films. Physical Review B, 2006, 74, .	1.1	5
142	Ink-jet printing of organic metal electrodes using charge-transfer compounds. Applied Physics Letters, 2006, 89, 173504.	1.5	29
143	Low temperature metallic state induced by electrostatic carrier doping of SrTiO3. Applied Physics Letters, 2006, 89, 133504.	1.5	60
144	FERROMAGNETISM IN ANATASE TiO2 CODOPED WITH Co AND Nb. , 2006, , .		0

#	Article	IF	Citations
145	Langmuir Layers and Langmuirâ€“Blodgett Films of Bis-tetrathiafulvalene Annelated Macrocycle. Bulletin of the Chemical Society of Japan, 2005, 78, 247-254.	2.0	4
146	Molecularly Assembled Nanostructures of a Redox-Active Organogelator. Angewandte Chemie - International Edition, 2005, 44, 7283-7287.	7.2	135
147	Control of threshold voltage in pentacene thin-film transistors using carrier doping at the charge-transfer interface with organic acceptors. Applied Physics Letters, 2005, 87, 153506.	1.5	99
148	Tuning of electron injections for n-type organic transistor based on charge-transfer compounds. Applied Physics Letters, 2005, 86, 063504.	1.5	117
149	Clamp-type pressure cell for full structure determination of molecular single crystals up to 1.5GPa. Review of Scientific Instruments, 2005, 76, 073903.	0.6	7
150	Phase transition on (BEDO-TTF) (Cl₂TCNQ): Spin dynamics observed by NMR measurements. European Physical Journal Special Topics, 2004, 114, 141-142.	0.2	1
151	Magnetic Properties of (BEDT-TTF)(ClMeTCNQ) Studied by ESR under Pressure: A Neutral-Ionic Crossover and Thermoinduced Mesophase. Physical Review Letters, 2004, 93, 186401.	2.9	10
152	2kFtransitions in a series of(DMET)2(X1X2TCNQ)(X1,X2=Br,Cl, F,CH3,H): Subsidiary lattice effect by anion radicals. Physical Review B, 2004, 69, .	1.1	0
153	Ambipolar field-effect carrier injections in organic Mott insulators. Physical Review B, 2004, 69, .	1.1	124
154	Langmuirâ€'Blodgett Films of Amphiphilic Bis(tetrathiafulvalene) Macrocycles with Four Alkyl Chains. Langmuir, 2004, 20, 4187-4195.	1.6	37
155	Proton Transfer and a Dielectric Phase Transition in the Molecular Conductor (HDABCO+)2(TCNQ)3. Journal of the American Chemical Society, 2004, 126, 291-294.	6.6	143
156	Structural Change in Langmuir-Blodgett Films of Bis-Tetrathiafulvalene Annelated Macrocycleâ€“Tetrafluorotetracyanoquinodimethane Charge Transfer Complex. Molecular Crystals and Liquid Crystals, 2004, 424, 17-23.	0.4	1
157	Enhanced dielectric response in (BEDT-TTF) (ClMeTCNQ) at the neutral-ionic phase transitions. European Physical Journal Special Topics, 2004, 114, 137-139.	0.2	1
158	Langmuirâ€“Blodgett films of bis-tetrathiafulvalene substituted macrocycle and TCNQ derivatives. Thin Solid Films, 2003, 438-439, 1-6.	0.8	7
159	Bidentated Hydrogen Bond from [Oâ€'HÂ·Â·Â·Nâ€'NÂ·Â·Â·Hâ€'O] to [O-Â·Â·Â·+Hâ€'Nâ€'H+Â·Â·Â·-O] Structures in Solids. Journal of Physical Chemistry B, 2003, 107, 6248-6251.	1.2	13
160	Magnetic Properties of [Ni(dmit)2]-Anions Induced by Flexible Hydrogen-Bonded Supramolecular Cations [(p-Xylylenediammonium)0.5(Crown Ethers)]+. Journal of Physical Chemistry B, 2003, 107, 66-74.	1.2	43
161	Langmuirâ€'Blodgett Films of Charge-Transfer Complexes between an Amphiphilic Monopyrrolo-TTF and TCNQ Derivatives. Journal of Physical Chemistry B, 2003, 107, 13929-13938.	1.2	13
162	ET3(MnCl3)2(EtOH)2: a new organic conductor with a perovskite structure. Synthetic Metals, 2003, 133-134, 445-447.	2.1	2

#	Article	IF	Citations
163	ESR studies of (BEDT-TTF)(ClMeTCNQ) under pressure. Synthetic Metals, 2003, 133-134, 627-628.	2.1	1
164	Novel magneto-lattice transition in the mixed-stack charge-transfer complexes with inter-columnar networks. Synthetic Metals, 2003, 133-134, 623-625.	2.1	4
165	ESR studies of mixed-stack charge-transfer compounds of (BEDT-TTF) analogs under pressure. Synthetic Metals, 2003, 135-136, 611-612.	2.1	1
166	Site-selective NMR Study of Neutral-Ionic Transition in (BEDT-TTF)(Cl,MeTCNQ). Synthetic Metals, 2003, 135-136, 619-620.	2.1	1
167	Structural modification of molecular nanowires composed of dialkylmacrocyclicbis TTF-F4TCNQ complex. Synthetic Metals, 2003, 137, 933-934.	2.1	9
168	The d-L(Ï€)-Ï€ type of charge-transfer salt [Cu(Me-tri)2][Ni(dmit)2]2: Interaction between copper(ii) d- and Ni(dmit)2Ï€-electrons viaÂÏ€-conjugated macrocyclic ligands. Physical Chemistry Chemical Physics, 2003, 5, 2469-2475.	1.3	3
169	Hydrogen-bonded supramolecular (2,2â€²-bi-1H-benzimidazole)(2-(2-1H-benzimidazolyl)-1H-benzimidazolium+)2(Clâ€“) as an electron donor in a TCNQ complex. CrystEngComm, 2003, 5, 54-57.	1.3	23
170	Metal-insulator transition of donor-acceptor-type organic charge-transfer complex(BETS)2(Br2TCNQ):Site-selective NMR measurements. Physical Review B, 2002, 66, .	1.1	7
171	Crystal Structure and Magnestism of [Ni(dmit) 2] â^' Salts With Supramolecular Cations of M + (15-Crown-5). Molecular Crystals and Liquid Crystals, 2002, 376, 39-46.	0.4	2
172	Formation of oriented molecular nanowires on mica surface. Proceedings of the National Academy of Sciences of the United States of America, 2002, 99, 5028-5033.	3.3	90
173	Supramolecular Cation Assemblies of Hydrogen-Bonded (NH4+/NH2NH3+)(Crown Ether) in [Ni(dmit)2]-Based Molecular Conductors and Magnets. Journal of the American Chemical Society, 2002, 124, 8903-8911.	6.6	70
174	Coupled Protonic and Electronic Conduction in the Molecular Conductor [2-(2-1H-Benzimidazolyl)-1H-benzimidazolium]â€“TCNQ. Chemistry - A European Journal, 2002, 8, 4402-4411.	1.7	54
175	Structures of flexible supramolecular cations (1,4-cyclohexanediammonium2+)(crown ethers)2 in [Ni(dmit)2]â^' salts. Journal of Supramolecular Chemistry, 2002, 2, 175-186.	0.4	22
176	Electronic states in the spin-density wave phase of organic conductors: roles of the coexisting 2kF and 4kF chargeâ€“density waves. Synthetic Metals, 2001, 117, 39-43.	2.1	4
177	Donor-acceptor-type complexes of (BEDT-TTF)(TCNQ) analogues: Peculiar magnetic transition in (BEDO-TTF)(Cl2TCNQ). Synthetic Metals, 2001, 120, 991-992.	2.1	2
178	Metal-insulator transition in donor-acceptor type superconductor, (BETS)2(X2TCNQ). Synthetic Metals, 2001, 120, 995-996.	2.1	4
179	Partially-oxidized Ni(dmit)2 salt with copper ions. Synthetic Metals, 2001, 120, 805-806.	2.1	6
180	Electronic properties of novel donorâ€“acceptor type charge transfer complexes, (BETS)2(X2TCNQ) (X=Cl, Br): 1H, 77Se and 13C-NMR. Synthetic Metals, 2001, 120, 917-918.	2.1	2

#	Article	IF	Citations
181	An infinite supramolecular array structure in metal dithiolate complexes: crystal structure of K(dibenzo-18-crown-6)[M(dmit)2](CH3CN)2Â(MÂ=ÂNi, Au). CrystEngComm, 2001, 3, 255-257.	1.3	6
182	Î²â€³-(ET)3(MnCl4)(1,1,2-C2H3Cl3) (ET = bis(ethylenedithio)tetrathiafulvalene); a pressure-sensitive new molecular conductor with localized spins. Journal of Materials Chemistry, 2001, 11, 2221-2227.	6.7	32
183	Preparation and performance of protein-adsorption-resistant asymmetric porous membrane composed of polysulfone/phospholipid polymer blend. Biomaterials, 2001, 22, 243-251.	5.7	128
184	Electronic states of novel donor/acceptor type of organic superconductor, (BETS)2(Cl2TCNQ). Journal of Physics and Chemistry of Solids, 2001, 62, 401-403.	1.9	4
185	Ionic Channel Structures in [(M+)x([18]crown-6)][Ni(dmit)2]2 Molecular Conductors. Chemistry - A European Journal, 2001, 7, 4902-4912.	1.7	53
186	Supramolecular aspects of organic conductors. , 2001, , 267-VII.		3
187	Superconductivity and Metalâ€“Insulator Transition in Twin-Columnar Organic Superconductor, (BETS)2(X2TCNQ)[X=Cl, Br]. Journal of the Physical Society of Japan, 2001, 70, 3023-3030.	0.7	6
188	Anisotropic magnetic domain structure of layered manganite La1.4Sr1.6Mn2O7. Applied Physics Letters, 2001, 78, 2023-2025.	1.5	2
189	Neutral-ionic phase transition of (BEDT-TTF)(ClMeTCNQ) under pressure. Physical Review B, 2001, 64, .	1.1	19
190	Tuning of Intramolecular Ï€-Ï€ Overlap Mode of Tetrathiafulvalene Bisannulated Macrocycles in the Open-Shell Electronic State. Chemistry Letters, 2000, 29, 132-133.	0.7	13
191	Crystal Structures of Tetrathiafulvalene Multiannulated Macrocycles in Open-Shell Electronic State. Molecular Crystals and Liquid Crystals, 2000, 349, 379-382.	0.3	0
192	Mixed-stack organic charge-transfer complexes with intercolumnar networks. Physical Review B, 2000, 62, 10059-10066.	1.1	50
193	M⁺ (Crown Ether) Supramolecular Cations (M⁺ = K⁺,) Tj ETQq1 1 0.784314 rgBT /Overlock 10 T [Ni(dmit)₂]^{â^'} Salts. Molecular Crystals and Liquid Crystals, 2000, 343, 163-168.	0.3	6
194	One-Dimensional Antiferromagnetic Chain in [Ni(dmit)2]-Salts of [K+or Rb+(4,13-diaza-18-crown-6)] Supramolecular Cation. Inorganic Chemistry, 2000, 39, 870-871.	1.9	51
195	M+(12-crown-4) Supramolecular Cations (M+ = Na+, K+, Rb+, and NH4+) within Ni(2-thioxo-1,3-dithiole-4,5-dithiolate)2 Molecular Conductor. Inorganic Chemistry, 2000, 39, 2645-2651.	1.9	27
196	Co2+(15-crown-5) Magnetic Supramolecular Cation in [Ni(dmit)2]-Ï€-Spin System. Journal of Physical Chemistry B, 2000, 104, 5871-5873.	1.2	33
197	Electrical and Nonlinear Optical Properties of Langmuir-Blodgett Films of Charge Transfer Complexes. Molecular Crystals and Liquid Crystals, 1999, 327, 83-86.	0.3	0
198	Low-temperature diffuse X-ray studies of charge-density waves coexisting with spin-density waves in the organic conductors (TMTSF)2PF6 and (TMTSF)2AsF6. Solid State Communications, 1999, 110, 479-483.	0.9	75

#	Article	IF	Citations
199	Structure and electronic properties of TTF bisannulated 24-crown-8 charge transfer complexes. Synthetic Metals, 1999, 102, 1599-1600.	2.1	6
200	Ion cavities within NH4+(crown ether) [Ni(dmit)2] salts. Synthetic Metals, 1999, 102, 1747-1748.	2.1	13
201	Electronic phase transition of BEDT-TTF based mixed-stack charge-transfer complexes. Synthetic Metals, 1999, 103, 1804-1805.	2.1	4
202	Structure and properties of all organic conductor (BEDT-TSeF)2(X1X2TCNQ) (X1,X2=Cl,Br). Synthetic Metals, 1999, 102, 1628-1629.	2.1	3
203	Structure and properties of (BEDSe-TTF)(Fn-TCNQ) charge transfer complexes (n = 1, 2, 4). Synthetic Metals, 1999, 102, 1678-1679.	2.1	9
204	Organic metals involving double chain donor arrangements, (BMDT-TTF)2(R1R2-TCNQ) [R1 = H, Me, R2 = Cl, Br]. Synthetic Metals, 1999, 102, 1680.	2.1	1
205	Langmuir-Blodgett films of BEDO-TTF Â· CF3TCNQ. Synthetic Metals, 1999, 102, 1733-1734.	2.1	3
206	Donor-Acceptor Type Superconductor, (BETS)2(Cl2TCNQ). Chemistry Letters, 1999, 28, 333-334.	0.7	15
207	Tunneling spectroscopy around the boundary of a small impurity phase on the surface of 2H-NbSe 2. Applied Physics A: Materials Science and Processing, 1998, 66, S135-S138.	1.1	0
208	Real-time observation of the dielectric constant variation of evaporated polydiacetylene films during photopolymerization and photochromic transitions. Thin Solid Films, 1998, 331, 39-44.	0.8	7
209	(BEDT-TTF)(F1TCNQ) and (BEDT-TTF)(F2TCNQ)x(TCNQ)1â^' x (x ca. 0.5): all-organic metals down to 2 K. Chemical Communications, 1997, , 1377-1378.	2.2	19
210	Synthesis, structure, and electronic properties of (BEDT-TTF)(R1R2TCNQ); (R1=R2=H,F,Cl,Br,CH3). Synthetic Metals, 1997, 86, 1797-1798.	2.1	19
211	Synthesis, structure, and electronic properties of (BEDT-TTF)(FnTCNQ) (n=0,1,2,4). Synthetic Metals, 1997, 86, 1801-1802.	2.1	9
212	Electronic states and anti-ferromagnetic order in mixed-stack charge-transfer compound (BEDT-TTF)(F2TCNQ). Solid State Communications, 1997, 103, 489-493.	0.9	53
213	Nature of one-dimensional excitons in polysilanes. Physical Review B, 1996, 54, 11365-11374.	1.1	29
214	Nonlinear optical spectroscopy on polysilanes: Dependence of exciton states on polymer backbone conformations. Synthetic Metals, 1995, 71, 1679-1680.	2.1	10
215	Electric-field-induced second-harmonic generation mediated by one-dimensional excitons in polysilanes. Physical Review B, 1994, 50, 7786-7792.	1.1	26
216	Dispersion relation in the third-order electric susceptibility for polysilane film. Physical Review Letters, 1993, 70, 3724-3727.	2.9	32

#	Article	IF	Citations
217	Nonlinear optical spectroscopy on one-dimensional excitons in silicon polymer, polysilane. Physical Review Letters, 1992, 69, 668-671.	2.9	115
218	Two-photon resonant third-harmonic generation in polysilanes. Physical Review B, 1992, 45, 6317-6320.	1.1	21
219	Resonance enhancement effect in non-linear optical susceptibility of polysilanes. Synthetic Metals, 1992, 50, 415-421.	2.1	5
220	Nonlinear spectroscopy on one-dimensional excitons in conjugated polymer polydiacetylenes. Synthetic Metals, 1992, 49, 123-129.	2.1	12
221	Nonlinear Optical Properties of Polysilanes. Molecular Crystals and Liquid Crystals, 1992, 217, 25-30.	0.3	3
222	Analysis of excitonic resonant effect in the third-order nonlinear optical susceptibility of polydiacetylene films. Synthetic Metals, 1991, 43, 3151-3156.	2.1	34
223	Pressure anisotropy and orientational order of a polydiacetylene monolayer and its use as a template for vacuum deposition. Thin Solid Films, 1991, 205, 117-123.	0.8	13
224	Linear and nonlinear optical properties of quasi one- dimensional excitons in conjugated polymer polydiacetylenes. Journal of Luminescence, 1991, 48-49, 321-324.	1.5	4
225	Nonlinear optical study of quasiâ€oneâ€dimensional platinum complexes: Twoâ€photon excitonic resonance effect. Applied Physics Letters, 1991, 59, 2219-2221.	1.5	68
226	Excitonic resonant effect in the third-order nonlinear optical properties of blue- and red-form polydiacetylene films. Chemical Physics Letters, 1990, 171, 239-244.	1.2	55
227	Nonlinear Optical Properties of Blue and Red Phase Polydiacetylene Films. Molecular Crystals and Liquid Crystals Incorporating Nonlinear Optics, 1990, 183, 329-332.	0.3	0
228	Nonlinear optical properties of highly oriented polydiacetylene evaporated films. Applied Physics Letters, 1989, 54, 2287-2289.	1.5	154
229	Oxygen Nonstoichiometry and Related Problems of High-T_cOxide Superconductors Investigated by Thermogravimetry. Materials Research Society Symposia Proceedings, 1989, 156, 91.	0.1	12
230	PHYSICAL PROPERTIES AND SUPERCONDUCTIVITY OF LAYERED PEROVSKITE OXIDES. International Journal of Modern Physics B, 1987, 01, 755-772.	1.0	9
231	PHYSICAL PROPERTIES AND SUPERCONDUCTIVITY OF LAYERED PEROVSKITE OXIDES. International Journal of Modern Physics B, 1987, 01, 385-400.	1.0	0
232	Materials Aspects of Oxide Superconductors - Effect of Ambient Water on Superconductivity-. Materials Research Society Symposia Proceedings, 1987, 99, 33.	0.1	4
233	A control system to compensate the hysteresis by Preisach model on SMA actuator. , 0, , .		19
234	SMA micro pumps and switching valves for biochemical IC family. , 0, , .		4

#	Article	IF	Citations
235	Fluid drive chips containing multiple pumps and switching valves for Biochemical IC Family. , 0, , .		11