Minoru Ashizawa

List of Publications by Year
in descending order

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Version: 2024-02-01

73 papers	1,594 citations	304743 22 h-index	330143 37 g-index
76 all docs	76 docs citations	76 times ranked	2024 citing authors

#	Article	IF	Citations
1	Preparation of Perfluorosulfonated Ionomer Nanofibers by Solution Blow Spinning. Membranes, 2021, 11, 389.	3.0	8
2	Effect of hydrogenâ€“deuterium exchange in amide linkages on properties of electrospun polyamide nanofibers. Polymer, 2021, 229, 123994.	3.8	5
3	High-frequency and intrinsically stretchable polymer diodes. Nature, 2021, 600, 246-252.	27.8	138
4	Intrinsically stretchable conjugated polymer semiconductors in field effect transistors. Progress in Polymer Science, 2020, 100, 101181.	24.7	146
5	Quinoidal bisthienoisatin based semiconductors: Synthesis, characterization, and carrier transport property. Nano Select, 2020, 1, 334-345.	3.7	2
6	Tuning the Mechanical Properties of a Polymer Semiconductor by Modulating Hydrogen Bonding Interactions. Chemistry of Materials, 2020, 32, 5700-5714.	6.7	87
7	Mesoporous Hydrated Graphene Nanoribbon Electrodes for Efficient Supercapacitors: Effect of Nanoribbon Dispersion on Pore Structure. Bulletin of the Chemical Society of Japan, 2020, 93, 1268-1274.	3.2	18
8	Ambipolar organic field-effect transistors based on N-Unsubstituted thienoisoindigo derivatives. Dyes and Pigments, 2020, 180, 108418.	3.7	11
9	Functionalized NIRâ€II Semiconducting Polymer Nanoparticles for Singleâ€cell to Wholeâ€Organ Imaging of PSMAâ€Positive Prostate Cancer. Small, 2020, 16, e2001215.	10.0	34
10	Bulky Phenylalkyl Substitutions to Bisthienoisatins and Thienoisoindigos. Crystal Growth and Design, 2020, 20, 3293-3303.	3.0	3
11	Direct Laser Writing of Graphene Nanoribbon Thin Films for Supercapacitor Electrodes. Electrochemistry, 2020, 88, 413-417.	1.4	0
12	n-Type Organic Field-Effect Transistors Based on Bisthienoisatin Derivatives. ACS Applied Electronic Materials, 2019, 1, 764-771.	4.3	8
13	Fluorination and chlorination effects on quinoxalineimides as an electron-deficient building block for n-channel organic semiconductors. RSC Advances, 2019, 9, 10807-10813.	3.6	5
14	p- and n-Channel Photothermoelectric Conversion Based on Ultralong Near-Infrared Wavelengths Absorbing Polymers. ACS Applied Polymer Materials, 2019, 1, 542-551.	4.4	14
15	Strainâ€Promoted Double Azide Addition to Octadehydrodibenzo[12]annulene Derivatives. Helvetica Chimica Acta, 2019, 102, e1900016.	1.6	8
16	Enhancing water flux through semipermeable polybenzimidazole membranes by adding surfactantâ€treated <scp>CNT</scp>s. Journal of Applied Polymer Science, 2018, 135, 45875.	2.6	6
17	Polyelectrolyte Composite Membranes Containing Electrospun Ion-Exchange Nanofibers: Effect of Nanofiber Surface Charges on Ionic Transport. Langmuir, 2018, 34, 13035-13040.	3.5	16
18	Manganese dioxide nanowires on carbon nanofiber frameworks for efficient electrochemical device electrodes. RSC Advances, 2017, 7, 12351-12358.	3.6	21

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19	Ionic Liquid-Based Electrolytes Containing Surface-Functionalized Inorganic Nanofibers for Quasisolid Lithium Batteries. ACS Omega, 2017, 2, 835-841.	3.5	19
20	N-Unsubstituted thienoisoindigos: preparation, molecular packing and ambipolar organic field-effect transistors. Journal of Materials Chemistry C, 2017, 5, 2509-2512.	5.5	25
21	Thiadiazole-fused Quinoxalineimide as an Electron-deficient Building Block for N-type Organic Semiconductors. Organic Letters, 2017, 19, 3275-3278.	4.6	25
22	Ambipolar organic transistors based on isoindigo derivatives. Organic Electronics, 2016, 35, 95-100.	2.6	33
23	Influence of structureâ€"property relationships of two structural isomers of thiophene-flanked diazaisoindigo on carrier-transport properties. RSC Advances, 2016, 6, 109434-109441.	3.6	10
24	An ultra-narrow bandgap derived from thienoisoindigo polymers: structural influence on reducing the bandgap and self-organization. Polymer Chemistry, 2016, 7, 1181-1190.	3.9	42
25	Triggered Structural Control of Dynamic Covalent Aromatic Polyamides: Effects of Thermal Reorganization Behavior in Solution and Solid States. Macromolecules, 2016, 49, 2153-2161.	4.8	14
26	The Origin of Low-Energy Gap Derived from Thienoisoindigo-Based Polymers. Journal of Fiber Science and Technology, 2016, 72, P-337-P-338.	0.0	0
27	Quinoxalineimide as a Novel Electron-accepting Building Block for Organic Optoelectronics. Chemistry Letters, 2015, 44, 1128-1130.	1.3	5
28	Efficient Synthesis and Photosensitizer Performance of Nonplanar Organic Donorâ€"Acceptor Molecules. Journal of Nanoscience and Nanotechnology, 2015, 15, 5856-5866.	0.9	9
29	Highly Sensitive Local Surface Plasmon Resonance in Anisotropic Au Nanoparticles Deposited on Nanofibers. Journal of Nanomaterials, 2015, 2015, 1-8.	2.7	4
30	Design and structureâ€"property relationship of benzothienoisoindigo in organic field effect transistors. RSC Advances, 2015, 5, 61035-61043.	3.6	36
31	An iodine effect in ambipolar organic field-effect transistors based on indigo derivatives. Journal of Materials Chemistry C, 2015, 3, 8612-8617.	5.5	32
32	Ambipolar Organic Field-Effect Transistors Based on Indigo Derivatives. Engineering Journal, 2015, 19, 61-74.	1.0	7
33	The impact of molecular planarity on electronic devices in thienoisoindigo-based organic semiconductors. Journal of Materials Chemistry C, 2014, 2, 10455-10467.	5.5	35
34	High performance ambipolar organic field-effect transistors based on indigo derivatives. Journal of Materials Chemistry C, 2014, 2, 9311-9317.	5.5	80
35	Ion-conductive and mechanical properties of polyether/silica thin fiber composite electrolytes. Reactive and Functional Polymers, 2014, 81, 40-44.	4.1	13
36	Electrospun Composite Nanofiber Yarns Containing Oriented Graphene Nanoribbons. ACS Applied Materials & Interfaces, 2013, 5, 6225-6231.	8.0	83

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37	A highly conducting organic metal derived from an organic-transistor material: benzothienobenzothiophene. Physical Chemistry Chemical Physics, 2013, 15, 17818.	2.8	27
38	Correlation of mobility and molecular packing in organic transistors based on cycloalkyl naphthalene diimides. Journal of Materials Chemistry C, 2013, 1, 5395.	5.5	45
39	New Strongly Correlated One-Dimensional Organic Semiconductor (ChTM-TTP)2Ag(CN)2. Bulletin of the Chemical Society of Japan, 2013, 86, 526-528.	3.2	1
40	Nanosize effects of sulfonated carbon nanofiber fabrics for high capacity ion-exchanger. RSC Advances, 2012, 2, 3109.	3.6	29
41	Colorimetric sensing of cations and anions by clicked polystyrenes bearing side chain donorâ€"acceptor chromophores. Polymer Chemistry, 2012, 3, 1996.	3.9	33
42	Synthesis, Structures and Properties of Molecular Conductors Based on Bis-Fused Donors Composed of (Thio)Pyran-4-ylidene-1,3-dithiole and Tetraselenafulvalene. Crystals, 2012, 2, 1092-1107.	2.2	4
43	Preparation of poly(Î³-benzyl-L-glutamate) nanofibers by electrospinning from isotropic and biphasic liquid crystal solutions. Polymer Journal, 2012, 44, 360-365.	2.7	9
44	Improved stability of organic field-effect transistor performance in oligothiophenes including Î²-isomers. Tetrahedron, 2012, 68, 2790-2798.	1.9	10
45	Creation of persistent charge-transfer interactions in TCNQ polyester. Polymer Journal, 2011, 43, 364-369.	2.7	31
46	Microwaveâ€assisted TCNE/TCNQ addition to poly(thienyleneethynylene) derivative for construction of donorâ€"acceptor chromophores. Journal of Polymer Science Part A, 2011, 49, 1013-1020.	2.3	36
47	A Novel Polymeric Chemosensor: Dual Colorimetric Detection of Metal Ions Through Click Synthesis. Macromolecular Rapid Communications, 2011, 32, 1804-1808.	3.9	38
48	Inkjet Printing of Graphene Nanoribbons for Organic Field-Effect Transistors. Applied Physics Express, 2011, 4, 115101.	2.4	14
49	Stabilization of organic field-effect transistors by tert-butyl groups in dibenzotetrathiafulvalene derivatives. Physical Chemistry Chemical Physics, 2011, 13, 14370.	2.8	36
50	Organic Transistors Based on Octamethylenetetrathiafulvalenes. Chemistry Letters, 2010, 39, 538-540.	1.3	15
51	Novel Bis-fused Ï€-Electron Donor Composed of Tetrathiafulvalene and Tetraselenafulvalene. Chemistry Letters, 2010, 39, 1093-1095.	1.3	10
52	Development of Î²-linked quaterthiophene and tetrathiafulvalene dimers as new organic semiconductors. Physica B: Condensed Matter, 2010, 405, S373-S377.	2.7	3
53	Enhanced performance of bottom-contact organic field-effect transistors with M(DMDCNQI)2 buffer layers. Physica B: Condensed Matter, 2010, 405, S378-S380.	2.7	7
54	Effect of Molecular Packing on Field-Effect Performance of Single Crystals of Thienyl-Substituted Pyrenes. Chemistry of Materials, 2008, 20, 4883-4890.	6.7	58

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55	Flat Resistivity in Î¸-Phase Charge-Transfer Salts of Selenium-Containing TMET-TTP Derivatives. Bulletin of the Chemical Society of Japan, 2008, 81, 947-955.	3.2	4
56	Synthesis and Solution-processed Field Effect Transistors of Liquid Crystalline Oligothiophenes. Chemistry Letters, 2007, 36, 708-709.	1.3	13
57	The first methyl antimony linked dimeric tetrathiafulvalene and tetraselenafulvalenes. Tetrahedron Letters, 2006, 47, 8937-8941.	1.4	17
58	Development of the first methyl antimony bridged tetrachalcogenafulvalene systems. Journal of Low Temperature Physics, 2006, 142, 449-452.	1.4	4
59	Synthesis and Structures of Neutral Crystals and Charge-Transfer Salts of Selenium Containing TMET-TTP Derivatives.. ChemInform, 2004, 35, no.	0.0	0
60	Ferromagnetic Anomaly Associated with the Antiferromagnetic Transitions in (Donor)[Ni(mnt)2]-Type Charge-Transfer Salts. Inorganic Chemistry, 2004, 43, 6075-6082.	4.0	44
61	An organic spin-ladder system, (BEDT-TTF)[Co(mnt)2]. Synthetic Metals, 2004, 145, 95-101.	3.9	2
62	Tris-fused tetrathiafulvalenes (TTF): highly conducting single-component organics and metallic charge-transfer salt. Synthetic Metals, 2004, 141, 307-313.	3.9	15
63	Synthesis and Structures of Highly Conducting Charge-Transfer Salts of Selenium Containing TTM-TTP Derivatives. Bulletin of the Chemical Society of Japan, 2004, 77, 1449-1458.	3.2	15
64	Conducting properties of tris-fused tetrathiafulvalenes. European Physical Journal Special Topics, 2004, 114, 549-551.	0.2	0
65	Synthesis and properties of selenium containing TTM-TTP conductors. Synthetic Metals, 2003, 135-136, 627-628.	3.9	8
66	Synthesis and Structures of Neutral Crystals and Charge-Transfer Salts of Selenium Containing TMET-TTP Derivatives. Bulletin of the Chemical Society of Japan, 2003, 76, 2091-2097.	3.2	11
67	Dimerization Effect on the Physical Properties in New One-Dimensional Organic Conductors: (ChTM-TTP)2AuBr2, (ChTM-TTP)2GaCl4, and (ChTM-TTP)ReO4. Bulletin of the Chemical Society of Japan, 2002, 75, 435-447.	3.2	8
68	Anion Ordering and Optical Properties of the Quasi-One-Dimensional Organic Conductor (ChTM-TTP)2GaCl4. Journal of the Physical Society of Japan, 2002, 71, 3059-3064.	1.6	7
69	Ground states of one-dimensional organic conductors based on ChTM-TTP. Synthetic Metals, 2001, 120, 793-794.	3.9	1
70	Raman and optical investigations on charge localization in the one-dimensional organic conductors(TTMâ^'TTP)(I3)5/3and(TSMâ^'TTP)(I3)5/3. Physical Review B, 1999, 60, 4635-4645.	3.2	14
71	Preparation and properties of cyclohexylenedithio substituted TTP donors. Synthetic Metals, 1999, 102, 1603-1604.	3.9	1
72	Conducting Salts Composed of Selenium Analogues of TMET-TTP. Chemistry Letters, 1998, 27, 253-254.	1.3	9

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73	Cyclohexylenedithio Annelated Bis-Fused TTF Donors and Their Conducting Salts. Chemistry Letters, 1997, 26, 649-650.	1.3	13