Minoru Ashizawa

List of Publications by Year
in descending order

73	1,594	304743	330143
papers	citations	22 h-index	37 g-index

76	76	76	2024
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Intrinsically stretchable conjugated polymer semiconductors in field effect transistors. Progress in Polymer Science, 2020, 100, 101181.	24.7	146
2	High-frequency and intrinsically stretchable polymer diodes. Nature, 2021, 600, 246-252.	27.8	138
3	Tuning the Mechanical Properties of a Polymer Semiconductor by Modulating Hydrogen Bonding Interactions. Chemistry of Materials, 2020, 32, 5700-5714.	6.7	87
4	Electrospun Composite Nanofiber Yarns Containing Oriented Graphene Nanoribbons. ACS Applied Materials & Interfaces, 2013, 5, 6225-6231.	8.0	83
5	High performance ambipolar organic field-effect transistors based on indigo derivatives. Journal of Materials Chemistry C, 2014, 2, 9311-9317.	5.5	80
6	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
7	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
8	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
9	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
10	A Novel Polymeric Chemosensor: Dual Colorimetric Detection of Metal Ions Through Click Synthesis. Macromolecular Rapid Communications, 2011, 32, 1804-1808.	3.9	38
11	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
12	Stabilization of organic field-effect transistors by tert-butyl groups in dibenzotetrathiafulvalene derivatives. Physical Chemistry Chemical Physics, 2011, 13, 14370.	2.8	36
13	Design and structureâ€“property relationship of benzothienoisoindigo in organic field effect transistors. RSC Advances, 2015, 5, 61035-61043.	3.6	36
14	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
15	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
16	Colorimetric sensing of cations and anions by clicked polystyrenes bearing side chain donorâ€“acceptor chromophores. Polymer Chemistry, 2012, 3, 1996.	3.9	33
17	Ambipolar organic transistors based on isoindigo derivatives. Organic Electronics, 2016, 35, 95-100.	2.6	33
18	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

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19	Creation of persistent charge-transfer interactions in TCNQ polyester. Polymer Journal, 2011, 43, 364-369.	2.7	31
20	Nanosize effects of sulfonated carbon nanofiber fabrics for high capacity ion-exchanger. RSC Advances, 2012, 2, 3109.	3.6	29
21	A highly conducting organic metal derived from an organic-transistor material: benzothienobenzothiophene. Physical Chemistry Chemical Physics, 2013, 15, 17818.	2.8	27
22	N-Unsubstituted thienoisoindigos: preparation, molecular packing and ambipolar organic field-effect transistors. Journal of Materials Chemistry C, 2017, 5, 2509-2512.	5.5	25
23	Thiadiazole-fused Quinoxalineimide as an Electron-deficient Building Block for N-type Organic Semiconductors. Organic Letters, 2017, 19, 3275-3278.	4.6	25
24	Manganese dioxide nanowires on carbon nanofiber frameworks for efficient electrochemical device electrodes. RSC Advances, 2017, 7, 12351-12358.	3.6	21
25	Ionic Liquid-Based Electrolytes Containing Surface-Functionalized Inorganic Nanofibers for Quasisolid Lithium Batteries. ACS Omega, 2017, 2, 835-841.	3.5	19
26	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
27	The first methyl antimony linked dimeric tetrathiafulvalene and tetraselenafulvalenes. Tetrahedron Letters, 2006, 47, 8937-8941.	1.4	17
28	Polyelectrolyte Composite Membranes Containing Electrospun Ion-Exchange Nanofibers: Effect of Nanofiber Surface Charges on Ionic Transport. Langmuir, 2018, 34, 13035-13040.	3.5	16
29	Tris-fused tetrathiafulvalenes (TTF): highly conducting single-component organics and metallic charge-transfer salt. Synthetic Metals, 2004, 141, 307-313.	3.9	15
30	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
31	Organic Transistors Based on Octamethylenetetrathiafulvalenes. Chemistry Letters, 2010, 39, 538-540.	1.3	15
32	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
33	Inkjet Printing of Graphene Nanoribbons for Organic Field-Effect Transistors. Applied Physics Express, 2011, 4, 115101.	2.4	14
34	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
35	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
36	Cyclohexylenedithio Annelated Bis-Fused TTF Donors and Their Conducting Salts. Chemistry Letters, 1997, 26, 649-650.	1.3	13

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37	Synthesis and Solution-processed Field Effect Transistors of Liquid Crystalline Oligothiophenes. Chemistry Letters, 2007, 36, 708-709.	1.3	13
38	Ion-conductive and mechanical properties of polyether/silica thin fiber composite electrolytes. Reactive and Functional Polymers, 2014, 81, 40-44.	4.1	13
39	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
40	Ambipolar organic field-effect transistors based on N-Unsubstituted thienoisoindigo derivatives. Dyes and Pigments, 2020, 180, 108418.	3.7	11
41	Novel Bis-fused Ï€-Electron Donor Composed of Tetrathiafulvalene and Tetraselenafulvalene. Chemistry Letters, 2010, 39, 1093-1095.	1.3	10
42	Improved stability of organic field-effect transistor performance in oligothiophenes including Î²-isomers. Tetrahedron, 2012, 68, 2790-2798.	1.9	10
43	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
44	Conducting Salts Composed of Selenium Analogues of TMET-TTP. Chemistry Letters, 1998, 27, 253-254.	1.3	9
45	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
46	Efficient Synthesis and Photosensitizer Performance of Nonplanar Organic Donorâ€“Acceptor Molecules. Journal of Nanoscience and Nanotechnology, 2015, 15, 5856-5866.	0.9	9
47	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
48	Synthesis and properties of selenium containing TTM-TTP conductors. Synthetic Metals, 2003, 135-136, 627-628.	3.9	8
49	n-Type Organic Field-Effect Transistors Based on Bisthienoisatin Derivatives. ACS Applied Electronic Materials, 2019, 1, 764-771.	4.3	8
50	Strainâ€Promoted Double Azide Addition to Octadehydrodibenzo[12]annulene Derivatives. Helvetica Chimica Acta, 2019, 102, e1900016.	1.6	8
51	Preparation of Perfluorosulfonated Ionomer Nanofibers by Solution Blow Spinning. Membranes, 2021, 11, 389.	3.0	8
52	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
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	Ambipolar Organic Field-Effect Transistors Based on Indigo Derivatives. Engineering Journal, 2015, 19, 61-74.	1.0	7

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55	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
56	Quinoxalineimide as a Novel Electron-accepting Building Block for Organic Optoelectronics. Chemistry Letters, 2015, 44, 1128-1130.	1.3	5
57	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
58	Effect of hydrogenâ€“deuterium exchange in amide linkages on properties of electrospun polyamide nanofibers. Polymer, 2021, 229, 123994.	3.8	5
59	Development of the first methyl antimony bridged tetrachalcogenafulvalene systems. Journal of Low Temperature Physics, 2006, 142, 449-452.	1.4	4
60	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
61	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
62	Highly Sensitive Local Surface Plasmon Resonance in Anisotropic Au Nanoparticles Deposited on Nanofibers. Journal of Nanomaterials, 2015, 2015, 1-8.	2.7	4
63	Development of Î²-linked quaterthiophene and tetrathiafulvalene dimers as new organic semiconductors. Physica B: Condensed Matter, 2010, 405, S373-S377.	2.7	3
64	Bulky Phenylalkyl Substitutions to Bisthienoisatins and Thienoisoindigos. Crystal Growth and Design, 2020, 20, 3293-3303.	3.0	3
65	An organic spin-ladder system, (BEDT-TTF)[Co(mnt)2]. Synthetic Metals, 2004, 145, 95-101.	3.9	2
66	Quinoidal bisthienoisatin based semiconductors: Synthesis, characterization, and carrier transport property. Nano Select, 2020, 1, 334-345.	3.7	2
67	Preparation and properties of cyclohexylenedithio substituted TTP donors. Synthetic Metals, 1999, 102, 1603-1604.	3.9	1
68	Ground states of one-dimensional organic conductors based on ChTM-TTP. Synthetic Metals, 2001, 120, 793-794.	3.9	1
69	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
70	Synthesis and Structures of Neutral Crystals and Charge-Transfer Salts of Selenium Containing TMET-TTP Derivatives.. ChemInform, 2004, 35, no.	0.0	0
71	Conducting properties of tris-fused tetrathiafulvalenes. European Physical Journal Special Topics, 2004, 114, 549-551.	0.2	0
72	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

#	Article	IF	Citations
73	Direct Laser Writing of Graphene Nanoribbon Thin Films for Supercapacitor Electrodes. Electrochemistry, 2020, 88, 413-417.	1.4	0