Mitsuhiko Maesato

List of Publications by Year
in descending order

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119 papers	3,014 citations	279701 23 h-index	168321 53 g-index
128 all docs	128 docs citations	128 times ranked	3033 citing authors

#	Article	IF	Citations
1	An Approach to an Ideal Molecule-Based Mixed Conductor with Comparable Proton and Electron Conductivity. Inorganic Chemistry, 2022, 61, 4453-4458.	1.9	5
2	Systematic Tuning of the Magnetic Properties in Mixed-Metal MOF-74. Inorganic Chemistry, 2022, 61, 7226-7230.	1.9	10
3	Surface morphology-induced spin-crossover-inactive high-spin state in a coordination framework. Chemical Communications, 2021, 57, 1462-1465.	2.2	6
4	Molecule-based Mixed Conductor of Proton and Electron Composed of Neutral Ï€-Planar Metal Complexes. Chemistry Letters, 2021, 50, 439-441.	0.7	8
5	Heavy Hydrogen Doping into ZnO and the H/D Isotope Effect. Journal of the American Chemical Society, 2021, 143, 6616-6621.	6.6	6
6	First Observation of Superconductivity in Molybdenumâ€“Rutheniumâ€“Carbon Alloy Nanoparticles. Chemistry Letters, 2021, 50, 596-598.	0.7	1
7	Magnetic field driven transition between valence bond solid and antiferromagnetic order in a distorted triangular lattice. Physical Review Research, 2021, 3, .	1.3	2
8	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:r Physical Review B, 2021, 104, .	1.1	4
9	Ni@onion-like carbon and Co@amorphous carbon: control of carbon structures by metal ion species in MOFs. Chemical Communications, 2021, 57, 5897-5900.	2.2	4
10	New Series of Pentanary Oxides, AM2C6Te3O18 (A = Pb, Sr; M = Mn, Cd; C = Ni, Co): Synthesis, Structure, and Magnetic and Optical Properties. Journal of Physical Chemistry C, 2020, 124, 25071-25077.	1.5	1
11	Crystal Size Effect on the Spin-Crossover Behavior of {Fe(py)₂[Pt(CN)₄]} (py =) Tj ETQq1 1 0.784314 rgBT	1.9	12
12	High pressure investigation of an organic three-dimensional Dirac semimetal candidate having a diamond lattice. Physical Review B, 2020, 101, .	1.1	2
13	Triangular-Lattice Organic Mott Insulator with a Disorder-Free Polyanion. Inorganic Chemistry, 2020, 59, 8647-8651.	1.9	4
14	New Insights on the Formation Process and Thermodynamics of the Î±-Phase PdH(D)x through Direct Enthalpy Measurement of H(D) Dissolution. Journal of Physical Chemistry C, 2020, 124, 8663-8668.	1.5	4
15	Canting Antiferromagnetic Spin-Order (TN = 102 K) in a Monomer Mott Insulator (ET)Ag4(CN)5 with a Diamond Spin-Lattice. Bulletin of the Chemical Society of Japan, 2020, 93, 260-272.	2.0	7
16	Reversible resistance switching by excess hydrogen doping in rutile TiO₂. Applied Physics Express, 2020, 13, 105502.	1.1	2
17	Uniaxial Strain Induced Superconductivity in Quantum Spin Liquid Îº-(ET)₂Ag₂(CN)₃. Journal of the Physical Society of Japan, 2020, 89, 054709.	0.7	2
18	High-pressure Effect on a Proton-conducting Metal-Organic Framework, LaCr(C₂O₄)₃Â·10H₂O. Chemistry Letters, 2019, 48, 746-748.	0.7	3

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19	Conducting Coronene Cation Radical Salt Containing Magnetic Metal Ions. Inorganic Chemistry, 2019, 58, 14068-14074.	1.9	3
20	A Novel Platinum(III)â€“Platinum(III) Neutral Dimer Complex, Pt₂(cdtb)₄I₂ (cdtb: 4-Cyanodithiobenzoate). Chemistry Letters, 2019, 48, 1035-1037.	0.7	3
21	Partial Substitution of Ag(I) for Cu(I) in Quantum Spin Liquid Î°-(ET)₂Cu₂(CN)₃, Where ET Is Bis(ethylenedithio)tetrathiafulvalene. Inorganic Chemistry, 2019, 58, 4820-4827.	1.9	7
22	Molecular diamond lattice antiferromagnet as a Dirac semimetal candidate. Physical Review B, 2019, 99, .	1.1	9
23	Bis(ethylenedithio)tetrathiafulvalene Cation Radical Salts Composed of Nonuniform Silver(I) Complex Polyanions. Inorganic Chemistry, 2019, 58, 16703-16711.	1.9	5
24	Heavy interstitial hydrogen doping into SrTiO₃. Chemical Communications, 2018, 54, 12439-12442.	2.2	12
25	Design of Spin-Frustrated Monomer-Type C60â€¢â¾ Mott Insulator. Crystals, 2018, 8, 115.	1.0	15
26	The Electronic State of Hydrogen in the Î±â€…Phase of the Hydrogenâ€Storage Material PdH(D)_x: Does a Chemical Bond Between Palladium and Hydrogen Exist?. Angewandte Chemie, 2018, 130, 9971-9975.	1.6	6
27	The Electronic State of Hydrogen in the Î±â€…Phase of the Hydrogenâ€Storage Material PdH(D)_x: Does a Chemical Bond Between Palladium and Hydrogen Exist?. Angewandte Chemie - International Edition, 2018, 57, 9823-9827.	7.2	25
28	The Room-Temperature Superionic Conductivity of Silver Iodide Nanoparticles under Pressure. Journal of the American Chemical Society, 2017, 139, 1392-1395.	6.6	25
29	Discovery of Hexagonal Structured Pdâ€“B Nanocrystals. Angewandte Chemie, 2017, 129, 6678-6682.	1.6	3
30	Discovery of Hexagonal Structured Pdâ€“B Nanocrystals. Angewandte Chemie - International Edition, 2017, 56, 6578-6582.	7.2	34
31	Mixedâ€Valence Nickel Bis(azamacrocycle) Compounds with Ghostâ€Legâ€type Sheets. Angewandte Chemie - International Edition, 2017, 56, 3838-3841.	7.2	12
32	Mixedâ€Valence Nickel Bis(azamacrocycle) Compounds with Ghostâ€Legâ€type Sheets. Angewandte Chemie, 2017, 129, 3896-3899.	1.6	4
33	Design and Preparation of a Quantum Spin Liquid Candidate Î°-(ET)2Ag2(CN)3 Having a Nearby Superconductivity. Bulletin of the Chemical Society of Japan, 2017, 90, 1073-1082.	2.0	26
34	A compact low-temperature hydrogen ion beam apparatus for in situ physical property measurements. Review of Scientific Instruments, 2017, 88, 123904.	0.6	5
35	Coronene-based charge-transfer complexes. Journal of Physics Condensed Matter, 2016, 28, 304001.	0.7	13
36	An Electrically Conductive Single-Component Donorâ€“Acceptorâ€“Donor Aggregate with Hydrogen-Bonding Lattice. Inorganic Chemistry, 2016, 55, 13027-13034.	1.9	4

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37	Cationic Ï€-Stacking Columns of Coronene Molecules with Fully Charged and Charge-Disproportionated States. Crystal Growth and Design, 2016, 16, 5994-6000.	1.4	8
38	BEDT-TTF Salts Formed with Tetrahedrally Coordinated Zinc(II) Complex Anions. Crystal Growth and Design, 2016, 16, 6613-6630.	1.4	5
39	Use of Halogen Bonding in a Molecular Solid Solution to Simultaneously Control Spin and Charge. Chemistry of Materials, 2016, 28, 7276-7286.	3.2	7
40	Pressure-Tuned Exchange Coupling of a Quantum Spin Liquid in the Molecular Triangular Lattice<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:mi>Îº</mml:mi><mml:mtext>â^’</mml:mtext><mml:mo stretchy="false">(</mml:mo><mml:mi>ET</mml:mi><mml:msub><mml:mrow><mml:mo) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 612 Td (	2.9	77
41	Physical Review Letters, 2016, 117, 107203. Interplay between spin-density wave and 3d local moments with random exchange in a molecular conductor. Physical Review B, 2016, 93, .	1.1	3
42	Conducting Ï€ Columns of Highly Symmetric Coronene, The Smallest Fragment of Graphene. Chemistry - A European Journal, 2016, 22, 6023-6030.	1.7	18
43	Local response to light excitation in the charge-ordered phase of<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:msub><mml:mrow><mml:mo>(</mml:mo><mml:mrow><mml:mathvariant="normal">F</mml:mi><mml:mn>6</mml:mn></mml:msub></mml:mrow></mml:math>. Physical Review B, 2015, 92, .	1.1	11
44	Ambient-Pressure Organic Superconductor Îº-(ET)₂Ag(CN)[N(CN)₂] Formed with Polymeric Silver(I) Complex Anion. Journal of the Physical Society of Japan, 2015, 84, 123801.	0.7	7
45	Unconventional Magnetic and Resistive Hysteresis in an Iodineâ€Bonded Molecular Conductor. Angewandte Chemie - International Edition, 2015, 54, 10169-10172.	7.2	5
46	Spin-disordered quantum phases in a quasi-one-dimensional triangular lattice. Nature Physics, 2015, 11, 679-683.	6.5	35
47	Hybrid materials of Ni NP@MOF prepared by a simple synthetic method. Chemical Communications, 2015, 51, 12463-12466.	2.2	70
48	Quantum spin liquid: design of a quantum spin liquid next to a superconducting state based on a dimer-type ET Mott insulator. Journal of Materials Chemistry C, 2015, 3, 1378-1388.	2.7	35
49	Isotropic Threeâ€Dimensional Molecular Conductor Based on the Coronene Radical Cation. European Journal of Inorganic Chemistry, 2014, 2014, 3871-3878.	1.0	19
50	Metallic and Mott Insulating Spinâ€Frustrated Antiferromagnetic States in Ionic Fullerene Complexes with a Twoâ€Dimensional Hexagonal C₆₀^{â^’} Packing Motif. Chemistry - A European Journal, 2014, 20, 7268-7277.	1.7	14
51	Chargeâ€Transfer Solids Using Nucleobases: Supramolecular Architectures Composed of Cytosine and [Ni(dmit)₂] Assembled by Multiple Hydrogen Bonds and Heteroatomic Contacts. Chemistry - A European Journal, 2013, 19, 12325-12335.	1.7	4
52	Proton-Conductive Magnetic Metalâ€“Organic Frameworks, {NR₃(CH₂COOH)}[M_a^{II}M_b^{III}(ox)₃]: Effect of Carboxyl Residue upon Proton Conduction. Journal of the American Chemical Society, 2013, 135, 2256-2262.	6.6	265
53	Anomalous magnetoresistance and hidden spin canting in (DIETSe)2MCl4(M=Fe, Ga). Physical Review B, 2013, 87, .	1.1	7
54	Exploration of Charge-Transfer Solids Utilizing Nucleobases: Nanoarchitectures by Hydrogen-Bonds in the Ionic Assemblies of Guanine and TCNQ Derivatives. Crystal Growth and Design, 2013, 13, 2778-2792.	1.4	7

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55	Spinâ€“Charge Coupling in the Molecular Conductor (DIETSe)2FeBr4. Journal of the Physical Society of Japan, 2013, 82, 043704.	0.7	6
56	Spin-Flop Switching and Memory in a Molecular Conductor. Journal of the American Chemical Society, 2012, 134, 17452-17455.	6.6	18
57	Uniaxial Strain Effects on Mott and Superconducting Transitions in Î°-(ET)₂Cu₂(CN)₃. Journal of the Physical Society of Japan, 2011, 80, 074702.	0.7	22
58	Ionicity Phase Diagram of Trifluoromethyl-TCNQ (CF3TCNQ) Charge-Transfer Solids. Bulletin of the Chemical Society of Japan, 2010, 83, 1462-1480.	2.0	8
59	A Twoâ€Dimensional Organic Metal Based on Fullerene. Angewandte Chemie - International Edition, 2010, 49, 4829-4832.	7.2	55
60	Pressure-induced superconductivity and Mott transition in spin-liquid<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"		

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73	Inhomogeneous Spin State in a Spin Liquid on a Triangular Lattice under a Magnetic Field. AIP Conference Proceedings, 2006, , .	0.3	2
74	Superconductivity Emerging from Spin-Liquid Mott Insulator in Triangular Lattice System. AIP Conference Proceedings, 2006, , .	0.3	0
75	Preparation of Superconducting (TMTSF)2NbF6 by Electrooxidation of TMTSF Using Ionic Liquid as Electrolyte. Molecular Crystals and Liquid Crystals, 2006, 452, 103-112.	0.4	15
76	Emergence of inhomogeneous moments from spin liquid in the triangular-lattice Mott insulatorÎºâˆ’(ET)2Cu2(CN)3. Physical Review B, 2006, 73, .	1.1	127
77	Soft X-ray photoemission study of organic conductors BEDT-TTF and BEDO-TTF salts. Journal of Electron Spectroscopy and Related Phenomena, 2005, 144-147, 275-277.	0.8	0
78	Spin Liquid in a Spin-Frustrated Organic Mott Insulator. Progress of Theoretical Physics Supplement, 2005, 159, 52-60.	0.2	8
79	NMR Study of the Spin-Liquid State and Mott Transition in the Spin-Frustrated Organic System, Îº-(ET)2Cu2(CN)3. Synthetic Metals, 2005, 152, 393-396.	2.1	3
80	Uniaxial strain investigation on the metal-insulator transition of (EDO-TTF)2PF6. Synthetic Metals, 2005, 153, 393-396.	2.1	10
81	Spin-liquid behavior and superconductivity in Îº -(BEDT-TTF)₂X: The role of uniaxial strain. European Physical Journal Special Topics, 2004, 114, 227-231.	0.2	9
82	Structures and physical properties of cation radical salts based on low-symmetrical ethylenedioxy-ethylenedithio-TTF. European Physical Journal Special Topics, 2004, 114, 595-597.	0.2	1
83	A Purely Organic Molecular Metal Based on a Hydrogen-Bonded Charge-Transfer Complex: Crystal Structure and Electronic Properties of TTF-Imidazole-p-Chloranil. Angewandte Chemie - International Edition, 2004, 43, 6343-6346.	7.2	101
84	Design of Organic (Super)Conductors and Study of Their Physical Properties. , 2004, , 19-44.		2
85	1H-NMR study of Mott insulator Îº -(ET)2Cu2(CN)3with isotropic triangular lattice. European Physical Journal Special Topics, 2004, 114, 377-378.	0.2	1
86	Crystal and band structures of organic superconductor under the uniaxial strain. Physica C: Superconductivity and Its Applications, 2003, 388-389, 601-602.	0.6	0
87	Transport properties of a Mott insulator Îº-(ET)2Cu2(CN)3 under the uniaxial strain. Synthetic Metals, 2003, 133-134, 225-226.	2.1	12
88	Uniaxial strain study of Îº-(BEDT-TTF)2Cu(NCS)2. Synthetic Metals, 2003, 133-134, 227-228.	2.1	8
89	Single component betainic conductor: pyrimido-fused TTF derivatives having ethylenedioxy group. Synthetic Metals, 2003, 133-134, 353-355.	2.1	24
90	Crystal structure of organic superconductor, Î±-(BEDT-TTF)2NH4Hg(SCN)4, under the uniaxial strain. Synthetic Metals, 2003, 133-134, 137-139.	2.1	2

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91	Uniaxial strain study of electronic and crystal structures of organic conductors. Synthetic Metals, 2003, 133-134, 145-146.	2.1	0
92	Anisotropy in the superconducting transition temperature of Î²-(BEDT-TTF)2X. Synthetic Metals, 2003, 137, 1243-1244.	2.1	11
93	Magnetic properties of Î²-(ET)2Cu2(CN)3. Synthetic Metals, 2003, 137, 1247-1248.	2.1	3
94	Band structure control of organic superconductors by the uniaxial strain method. Synthetic Metals, 2003, 137, 1163-1165.	2.1	0
95	Spin Liquid State in an Organic Mott Insulator with a Triangular Lattice. Physical Review Letters, 2003, 91, 107001.	2.9	1,011
96	Crystal structure and electronic band structure of the organic superconductorÎ±â˜†(BEDTâ˜†TTF)2NH4Hg(SCN)4under uniaxial strain. Physical Review B, 2003, 67, .	1.1	25
97	Effects of Uniaxial Strain on Î±-(BEDT-TTF) 2 MHg(SCN) 4 [M=K, NH 4]. Molecular Crystals and Liquid Crystals, 2002, 376, 195-200.	0.4	0
98	Physical Properties and Crystal Structures of Charge Transfer Complexes Based on EDOEDT-TTF (EOET). Molecular Crystals and Liquid Crystals, 2002, 376, 201-206.	0.4	2
99	Superconductivity of a Î¸-type et salt prepared using CuCN AND PH 4 PN(CN) 2 as electrolyte. Molecular Crystals and Liquid Crystals, 2002, 380, 135-138.	0.4	0
100	Control of electronic properties of organic superconductors by uniaxial strain method. Molecular Crystals and Liquid Crystals, 2002, 380, 77-84.	0.4	1
101	Bedo-TTF Complexes with Magnetic Counter Ions. Molecular Crystals and Liquid Crystals, 2002, 376, 113-120.	0.4	12
102	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
103	Novel electronic states of organic conductors under uniaxial stress or uniaxial strain. Synthetic Metals, 2001, 117, 87-90.	2.1	1
104	Uniaxial strain study of organic conductors (TMTSF)2PF6. Synthetic Metals, 2001, 120, 963-964.	2.1	4
105	Control of electronic properties of organic conductors by uniaxial strain method. Synthetic Metals, 2001, 120, 683-686.	2.1	7
106	Uniaxial strain study of organic conductors Î±-(BEDT-TTF)2MHg(SCN)4[Mî˜…K, NH4]. Synthetic Metals, 2001, 120, 941-942.	2.1	2
107	Artificial control of intermolecular distance of organic superconductors: Î±-type BEDTâ€“TTF compounds. Current Applied Physics, 2001, 1, 72-76.	1.1	3
108	Electronic and crystal structures of organic superconductors under the uniaxial strain. Current Applied Physics, 2001, 1, 307-311.	1.1	3

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109	Control of Electronic Properties of Organic Conductors by Hydrostatic and Uniaxial Compression. Physica Status Solidi (B): Basic Research, 2001, 223, 97-104.	0.7	7
110	Control of electronic properties ofÎ±â˜'(BEDTâ˜'TTF)2MHg(SCN)4(M=K,NH4)by the uniaxial strain method. Physical Review B, 2001, 64, .	1.1	49
111	Uniaxial strain method for soft crystals: Application to the control of the electronic properties of organic conductors. Review of Scientific Instruments, 2000, 71, 176-181.	0.6	107
112	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
113	Metal-insulator transition of the 1-D half-filled band metal (TTM-TTP)I3. Synthetic Metals, 1999, 103, 2109-2110.	2.1	17
114	Anomalies in transport and thermal properties of (tmtsf)2asf6. Synthetic Metals, 1999, 103, 2210-2211.	2.1	1
115	Thermopower study of (tmtsf)2asf6 sdw state. Synthetic Metals, 1999, 103, 2218-2219.	2.1	4
116	A thermopower study of the SDW state of quasi one-dimensional conductor (TMTSF)2AsF6. Solid State Communications, 1998, 107, 477-481.	0.9	4
117	Transport properties of the spin-density-wave multiphase in (TMTSF)2X. Synthetic Metals, 1997, 86, 2085-2086.	2.1	2
118	Pulse-Duration Memory Effect in the Spin-Density Waves of (TMTSF)2AsF6. Journal of the Physical Society of Japan, 1996, 65, 3438-3441.	0.7	3
119	Heavy interstitial hydrogen doping into SrTiO3. , 0, .		1