

# Reizo Kato

## List of Publications by Year in descending order

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4997  
citing authors

#	ARTICLE	IF	CITATIONS
1	Conducting Metal Dithiolene Complexes: Structural and Electronic Properties. <i>Chemical Reviews</i> , 2004, 104, 5319-5346.	47.7	456
2	Highly Mobile Gapless Excitations in a Two-Dimensional Candidate Quantum Spin Liquid. <i>Science</i> , 2010, 328, 1246-1248.	12.6	366
3	Quantum spin liquid in the spin-1 $\text{Sb}_2\text{R}_2\text{N}_2\text{DCNQI}^{\pm}$ antiferromagnet. <i>Physical Review B</i> , 2008, 77, 040401.	3.2	340
4	Crystal and electronic structures of conductive anion-radical salts, (2,5-R <sub>1</sub> R <sub>2</sub> -DCNQI) <sub>2</sub> Cu (DCNQI =) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5 111, 5224-5232.	13.7	295
5	The organic $\pi$ -electron metal system with interaction through mixed-valence metal cation: Electronic and structural properties of radical salts of dicyano-quinodimimine, (DMe-DCNQI) <sub>2</sub> Cu and (MeCl-DCNQI) <sub>2</sub> Cu. <i>Solid State Communications</i> , 1987, 64, 45-51.	1.9	212
6	Mott Physics in Organic Conductors with Triangular Lattices. <i>Annual Review of Condensed Matter Physics</i> , 2011, 2, 167-188.	14.5	212
7	Gapless spin liquid of an organic triangular compound evidenced by thermodynamic measurements. <i>Nature Communications</i> , 2011, 2, 275.	12.8	197
8	Multicomponent Molecular Conductors with Supramolecular Assembly: Iodine-Containing Neutral Molecules as Building Blocks. <i>Journal of the American Chemical Society</i> , 1998, 120, 5905-5913.	13.7	179
9	The First Molecular Superconductor Based on $\pi$ -Acceptor Molecules and Closed-Shell Cations, [(CH <sub>3</sub> ) <sub>4</sub> N][Ni(dmit) <sub>2</sub> ] <sub>2</sub> , Low-Temperature X-Ray Studies and Superconducting Transition. <i>Chemistry Letters</i> , 1987, 16, 1819-1822.	1.3	176
10	Instability of a quantum spin liquid in an organic triangular-lattice antiferromagnet. <i>Nature Physics</i> , 2010, 6, 673-676.	16.7	158
11	Synthesis and properties of bis(ethylenedithio)tetraselenafulvalene (BEDT-TSeF) compounds. <i>Synthetic Metals</i> , 1991, 42, 2093-2096.	3.9	138
12	A new type oscillatory phenomenon in the magnetotransport of $\hat{I}_{\pm}$ -(BEDT-TTF) <sub>2</sub> I <sub>3</sub> . <i>Solid State Communications</i> , 1989, 70, 1189-1193.	1.9	136
13	Effect of the Zero-Mode Landau Level on Interlayer Magnetoresistance in Multilayer Massless Dirac Fermion Systems. <i>Physical Review Letters</i> , 2009, 102, 176403.	7.8	121
14	Electrical conductivity, thermoelectric power, and ESR of a new family of molecular conductors, dicyanoquinonediimine-metal [(DCNQI) <sub>2</sub> M] compounds. <i>Physical Review B</i> , 1988, 38, 5913-5923.	3.2	120
15	Novel radical cation salts of organic $\pi$ -donors containing iodine atom(s): the first application of strong intermolecular $\text{I}\cdots\text{X}$ (X = CN, halogen atom) interaction to molecular conductors. <i>Synthetic Metals</i> , 1995, 73, 117-122.	3.9	118
16	Magnetotransport Phenomena of $\hat{I}_{\pm}$ -Type (BEDT-TTF) <sub>2</sub> I <sub>3</sub> under High Pressures. <i>Journal of the Physical Society of Japan</i> , 1992, 61, 23-26.	1.6	114
17	Mixed valency of Cu, electron-mass enhancement, and three-dimensional arrangement of magnetic sites in the organic conductors (R <sub>1</sub> ,R <sub>2</sub> -N,N'-dicyanoquinonediimine) <sub>2</sub> Cu (where R <sub>1</sub> ,R <sub>2</sub> =CH <sub>3</sub> ,CH <sub>3</sub> O,Cl,Br). <i>Physical Review B</i> , 1993, 47, 3500-3510.	3.2	114
18	Direct observation of collective modes coupled to molecular orbital-driven charge transfer. <i>Science</i> , 2015, 350, 1501-1505.	12.6	114

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19	Crystal and Electronic Structures of a New Molecular Superconductor, $\hat{I}^{\pm}$ -(BEDT-TTF) <sub>2</sub> I <sub>3</sub> . Chemistry Letters, 1987, 16, 459-462.	1.3	111
20	New Molecular Superconductor, $\hat{I}^{\pm}$ -[(CH <sub>3</sub> ) <sub>4</sub> N][Pd(dmit) <sub>2</sub> ] <sub>2</sub> . Chemistry Letters, 1991, 20, 2163-2166.	1.3	104
21	Conductive Copper Salts of 2,5-Disubstituted N,N'-Dicyanobenzoquinonediimines (DCNQIs): Structural and Physical Properties. Bulletin of the Chemical Society of Japan, 2000, 73, 515-534.	3.2	104
22	Quantum criticality of Mott transition in organic materials. Nature Physics, 2015, 11, 221-224.	16.7	101
23	Crystal Structures and Electrical Properties of BEDT-TTF Coeipounds. Molecular Crystals and Liquid Crystals, 1984, 107, 33-43.	0.8	97
24	Supramolecular Insulating Networks Sheathing Conducting Nanowires Based on Organic Radical Cations. ACS Nano, 2008, 2, 143-155.	14.6	97
25	First Ambient-pressure Superconductor Based on Ni(dmit) <sub>2</sub> , $\hat{I}^{\pm}$ -EDT-TTF[Ni(dmit) <sub>2</sub> ]. Chemistry Letters, 1993, 22, 1235-1238.	1.3	95
26	A NEW MOLECULAR SUPERCONDUCTOR, (BEDT-TTF) <sub>2</sub> (I <sub>3</sub> ) <sub>1-x</sub> (AuI <sub>2</sub> ) <sub>x</sub> (x < 0.02). Chemistry Letters, 1986, 15, 789-792.	1.3	93
27	Copper valence fluctuation in the organic conductor (dimethyl-N,N'-dicyanoquinonediimine) <sub>2</sub> Cu studied by x-ray photoemission spectroscopy. Physical Review B, 1992, 45, 5828-5833.	3.2	86
28	Transport properties of ((CH <sub>3</sub> ) <sub>4</sub> N)(Ni(dmit) <sub>2</sub> ) <sub>2</sub> : A new organic superconductor. Solid State Communications, 1988, 65, 361-363.	1.9	84
29	Magnetic susceptibility of $\hat{I}^{\pm}$ -[Pd(dmit) <sub>2</sub> ] salts (dmit = 1, 3-dithiol-2-thione-4, 5-dithiolate, C <sub>3</sub> S <sub>5</sub> ): evidence for frustration in spin-1/2 Heisenberg antiferromagnets on a triangular lattice. Journal of Physics Condensed Matter, 2002, 14, L729-L734.	1.8	83
30	New organic superconductors K- and $\hat{I}^{\pm}$ -(BEDT-TTF) <sub>2</sub> I <sub>3</sub> : Transport property. Solid State Communications, 1987, 64, 1279-1284.	1.9	82
31	Light-induced superconductivity using a photoactive electric double layer. Science, 2015, 347, 743-746.	12.6	82
32	CRYSTAL AND ELECTRONIC STRUCTURES OF LAYERED MOLECULAR SUPERCONDUCTOR, $\hat{I}^{\pm}$ -(BEDT-TTF) <sub>2</sub> (I <sub>3</sub> ) <sub>1-x</sub> (AuI <sub>2</sub> ) <sub>x</sub> . Chemistry Letters, 1986, 15, 833-836.	1.3	81
33	Molecular designing analysis of a new superconducting metal dithiolene complex. Solid State Communications, 1987, 62, 57-64.	1.9	79
34	Frustration-Induced Valence-Bond Ordering in a New Quantum Triangular Antiferromagnet Based on [Pd(dmit) <sub>2</sub> ]. Journal of the Physical Society of Japan, 2006, 75, 093701.	1.6	79
35	Transport properties of massless Dirac fermions in an organic conductor $\hat{I}^{\pm}$ -(BEDT-TTF) <sub>2</sub> I <sub>3</sub> under pressure. Europhysics Letters, 2007, 80, 47002.	2.0	78
36	The heteropolyvanadate of phosphorus. Crystallographic and NMR studies. Inorganic Chemistry, 1982, 21, 240-246.	4.0	77

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37	A supramolecular superconductor $\hat{I}^-(DIETS)_2[Au(CN)_4]$ . Journal of Materials Chemistry, 2002, 12, 159-161.	6.7	77
38	Zeeman-Driven Phase Transition within the Superconducting State of $\hat{I}^-(DIETS)_2[Au(CN)_4]$ . Journal of Materials Chemistry, 2002, 12, 159-161.	6.7	77
39	A Single-Component Molecular Superconductor. Journal of the American Chemical Society, 2014, 136, 7619-7622.	13.7	75
40	New Molecular Superconductor, $[Me_2Et_2N][Pd(dmit)_2]_2$ . Chemistry Letters, 1992, 21, 1909-1912.	1.3	73
41	Energy level inversion in strongly dimerized $[Pd(dmit)_2]$ salts. Solid State Communications, 1991, 79, 337-341.	1.9	71
42	Photo-induced Insulator-Metal Transition in an Organic Conductor $\hat{I}^\pm(BEDT-TTF)_2I_3$ . Journal of the Physical Society of Japan, 2005, 74, 511-514.	1.6	71
43	Coexistence of Conducting and Magnetic Electrons Based on Molecular $\hat{I}^-$ -Electrons in the Supramolecular Conductor $(Me_3,5-DIP)[Ni(dmit)_2]_2$ . Journal of the American Chemical Society, 2007, 129, 3054-3055.	13.7	71
44	Crystal and electronic structures of new molecular conductors tetramethylammonium and tetramethylarsonium complexes of $Pd(dmit)_2$ . Journal of the Chemical Society, Faraday Transactions, 1990, 86, 361.	1.7	70
45	Development of $\hat{I}^-$ -Electron Systems Based on $[M(dmit)_2]$ (M = Ni and Pd; dmit: $Tj ETQq1 1 0.784314 rgBT / Overlock 10 Tf 50 427 T$ ). Journal of the American Chemical Society, 2007, 129, 355-374.	3.2	70
46	1:14 Heteropolyvanadate of phosphorus: preparation and structure. Journal of the American Chemical Society, 1980, 102, 6571-6572.	13.7	67
47	Crystal Structures of $M(DCNQIs)_2(DCNQIs=N,N\hat{a}^2$ -dicyanoquinonediimines; M=Li, Na, K, $NH_4$ , Cu, Ag). Chemistry Letters, 1987, 16, 1579-1582.	1.3	66
48	Novel Pauli-paramagnetic quantum phase in a Mott insulator. Nature Communications, 2012, 3, 1090.	12.8	66
49	TRANSVERSE CONDUCTION AND METAL-INSULATOR TRANSITION IN $\hat{I}^2-(BEDT-TTF)_2PF_6$ . Chemistry Letters, 1983, 12, 581-584.	1.3	64
50	Novel molecular conductors, $(DIETS)_4M(CN)_4$ (M = Ni, Pd, Pt): highly reticulated donor $\hat{a}^-$ anion contacts by $\hat{a}^-I \hat{a}^- NC\hat{a}^-$ interaction. Journal of the Chemical Society Chemical Communications, 1995, , 1667-1668.	2.0	64
51	Strain-induced superconductor/insulator transition and field effect in a thin single crystal of molecular conductor. Applied Physics Letters, 2008, 92, 243508.	3.3	63
52	New Radical Anion Complex, $[(CH_3)_4N][Ni(dmit)_2]_2$ with Metal-Semimetal Phase Transition. Chemistry Letters, 1987, 16, 1799-1802.	1.3	62
53	Mott Transition in a Valence-Bond Solid Insulator with a Triangular Lattice. Physical Review Letters, 2007, 99, 256403.	7.8	62
54	A new molecular superconductor $\hat{I}^2\hat{a}^2-Et_2Me_2P[Pd(dmit)_2]_2$ (dmit = 2-thioxo-1,3-dithiole-4,5-dithiolate). Solid State Communications, 1998, 105, 561-565.	1.9	61

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55	Spin-liquid state in an organic spin-1/2 system on a triangular lattice, EtMe <sub>3</sub> Sb[Pd(dmit) <sub>2</sub> ] <sub>2</sub> . Journal of Physics Condensed Matter, 2007, 19, 145247.	1.8	61
56	Quantum spin liquids unveil the genuine Mott state. Nature Materials, 2018, 17, 773-777.	27.5	61
57	Electrical and magnetic properties of organic semiconductors, (BEDT-TTF) <sub>2</sub> X (X = IBr <sub>2</sub> , IBrCl, and ICl <sub>2</sub> ). Synthetic Metals, 1987, 19, 215-220.	3.9	60
58	Pressure-Induced One-Dimensional Instability in (DMDCNQI) <sub>2</sub> Cu. Journal of the Physical Society of Japan, 1987, 56, 3429-3431.	1.6	59
59	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
60	A strained organic field-effect transistor with a gate-tunable superconducting channel. Nature Communications, 2013, 4, 2379.	12.8	55
61	Reflectance Spectra of $\hat{\Gamma}_2$ -(BEDT-TTF) <sub>2</sub> I <sub>3</sub> : Electronic Structure of Dimeric BEDT-TTF Salts. Journal of the Physical Society of Japan, 1991, 60, 3861-3873.	1.6	54
62	Crystal and Electronic Structures of the Quasi-Two-Dimensional Organic Conductor $\hat{\Gamma}_2$ -(BEDT-TTF) <sub>2</sub> I <sub>3</sub> and Its Selenium Analogue $\hat{\Gamma}_2$ -(BEDT-TSeF) <sub>2</sub> I <sub>3</sub> under Hydrostatic Pressure at Room Temperature. Journal of the Physical Society of Japan, 2009, 78, 114714.	1.6	54
63	$\frac{1}{\text{EtMe}_3\text{Sb}[\text{Pd}(\text{dmit})_2]_2}$	7.8	54
64	The first molecular metals with ordered spin structures, R <sub>1</sub> R <sub>2</sub> $\hat{\Gamma}_2$ -DCNQI <sub>2</sub> Cu (R <sub>1</sub> , R <sub>2</sub> $\hat{\Gamma}_2$ $\rightarrow$ CH <sub>3</sub> , CH <sub>3</sub> O, Cl, Br) $\hat{\Gamma}_2$ Janh-Teller distortion, CDW instability and antiferromagnetic spin ordering. Solid State Communications, 1988, 65, 1351-1354.	1.9	52
65	Emergence of the Dirac Electron System in a Single-Component Molecular Conductor under High Pressure. Journal of the American Chemical Society, 2017, 139, 1770-1773.	13.7	52
66	A New Ambient-pressure Superconductor, $\hat{\Gamma}_2$ -(BEDT-TTF) <sub>2</sub> I <sub>3</sub> . Chemistry Letters, 1987, 16, 507-510.	1.3	51
67	Preparation and physical properties of an alloyed (DMe-DCNQI) <sub>2</sub> Cu with fully deuterated DMe-DCNQI (DMe-DCNQI = 2,5-dimethyl- N,N $\hat{\Gamma}_2$ -dicyanoquinonedimine). Solid State Communications, 1993, 85, 831-835.	1.9	51
68	Coexistence of one- and three-dimensional Fermi surfaces and heavy cyclotron mass in the molecular conductor (DMe-DCNQI) <sub>2</sub> Cu. Physical Review B, 1994, 50, 15597-15601.	3.2	50
69	Fermi-liquid versus Luttinger-liquid behavior and metal-insulator transition in N,N $\hat{\Gamma}_2$ -dicyanoquinonedimine-Cu salt studied by photoemission. Physical Review B, 1995, 51, 13899-13902.	3.2	49
70	Field-Induced Carrier Delocalization in the Strain-Induced Mott Insulating State of an Organic Superconductor. Physical Review Letters, 2009, 103, 116801.	7.8	49
71	Mott transition by an impulsive dielectric breakdown. Nature Materials, 2017, 16, 1100-1105.	27.5	49
72	Spectroscopic evidence for the low-temperature charge-separated state of [Pd(dmit) <sub>2</sub> ] salts. Chemical Physics Letters, 2005, 411, 133-137.	2.6	48

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73	New Multi-Sulfur 1,2-Dithiolene Complexes. Preparation, Structure, and Electrochemical Properties. Bulletin of the Chemical Society of Japan, 1986, 59, 627-630.	3.2	47
74	Giant Metal-Insulator-Metal Transition Induced by Selective Deuteration of the Molecular Conductor, (DMe-DCNQI) <sub>2</sub> Cu (DMe-DCNQI = 2,5-dimethyl-N,N'-dicyanoquinonediimine). Chemistry Letters, 1993, 22, 513-516.	1.3	47
75	Structural Study of Low Temperature Charge-Separated Phases of Pd(dmit) <sub>2</sub> -Based Molecular Conductors. Journal of the Physical Society of Japan, 2005, 74, 2754-2763.	1.6	47
76	Two Pressure-Induced Superconducting Anion Radical Salts Exhibiting Different Spin States at Ambient Pressure. Journal of the American Chemical Society, 2006, 128, 10016-10017.	13.7	47
77	THE CRYSTAL STRUCTURE OF $\hat{I}^{2+}$ -(BEDT-TTF) <sub>2</sub> Cl <sub>2</sub> . A MODIFICATION OF THE ORGANIC SUPERCONDUCTOR, $\hat{I}^{2+}$ -(BEDT-TTF) <sub>2</sub> I <sub>3</sub> . Chemistry Letters, 1986, 15, 89-92.	1.3	45
78	Cation Dependence of Crystal Structure and Band Parameters in a Series of Molecular Conductors, $\hat{I}^{2+}$ -(Cation)[Pd(dmit) <sub>2</sub> ] <sub>2</sub> (dmit = 1,3-dithiole-2-thione-4,5-dithiolate). Crystals, 2012, 2, 861-874.	2.2	45
79	THE CRYSTAL STRUCTURES AND ELECTRICAL RESISTIVITIES OF (BEDT-TTF) <sub>3</sub> (ClO <sub>4</sub> ) <sub>2</sub> AND (BEDT-TTF) <sub>2</sub> ClO <sub>4</sub> (C <sub>4</sub> H <sub>8</sub> O <sub>2</sub> ). Chemistry Letters, 1984, 13, 179-182.	1.3	44
80	Band structure of $\hat{I}^{2+}$ -(BEDT-TTF) 2PF <sub>6</sub> . One-dimensional metal along the side-by-side molecular array. Solid State Communications, 1985, 53, 627-631.	1.9	44
81	Se-Substitution and Cation Effects on the High-Pressure Molecular Superconductor, $\hat{I}^{2+}$ -Me <sub>4</sub> N[Pd(dmit) <sub>2</sub> ] <sub>2</sub> -A Unique Two-Band System. Molecular Crystals and Liquid Crystals, 1997, 296, 217-244.	0.9	44
82	Quantum Hall effect in multilayered massless Dirac fermion systems with tilted cones. Physical Review B, 2013, 88, .	3.2	44
83	Variety of valence bond states formed of frustrated spins on triangular lattices based on a two-level system Pd(dmit) <sub>2</sub> . Science and Technology of Advanced Materials, 2009, 10, 024304.	6.1	43
84	Structural and physical properties of conducting cation radical salts containing supramolecular assemblies based on p-bis(iodoethynyl)benzene derivatives. Journal of Materials Chemistry, 2001, 11, 1034-1041.	6.7	42
85	Crystal Structure of $\hat{I}^{\pm}$ -(BEDT-TTF) <sub>2</sub> PF <sub>6</sub> . Chemistry Letters, 1983, 12, 759-762.	1.3	41
86	Temperature Dependence of the Polarized Reflectance Spectra of the $\hat{I}^{\pm}$ -Type of Bis(ethylenedithio) tetrathiafulvalenium Triiodide $\hat{I}^{\pm}$ -(BEDT-TTF) <sub>2</sub> I <sub>3</sub> : Estimation of Band Parameters. Journal of the Physical Society of Japan, 1988, 57, 3239-3247.	1.6	41
87	2-dimensional nature of BEDT-TSeF compounds. Synthetic Metals, 1993, 56, 2078-2083.	3.9	41
88	Utilization of $\hat{f}$ -Holes on Sulfur and Halogen Atoms for Supramolecular Cation-Anion Interactions in Bilayer Ni(dmit) <sub>2</sub> Anion Radical Salts. Crystal Growth and Design, 2013, 13, 4533-4541.	3.0	41
89	Reflectance spectra of $\hat{I}^{2+}$ , $\hat{I}^{\pm}$ , and $\hat{I}^{2+}$ -(BEDT-TTF) <sub>2</sub> I <sub>3</sub> , and $\hat{I}^{2+}$ and $\hat{I}^{2+}$ -(BEDT-TTF) <sub>2</sub> Cl <sub>2</sub> : Relation between the inter-band transition and the dimeric structure. Synthetic Metals, 1988, 27, A491-A498.	3.9	40
90	Crystal and Electronic Structures of a New Two-dimensional Molecular Metal, $\hat{I}^{\pm}$ -Et <sub>2</sub> Me <sub>2</sub> N[Ni(dmit) <sub>2</sub> ] <sub>2</sub> . Chemistry Letters, 1988, 17, 865-868.	1.3	40

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91	Reflectance Spectra and Electrical Resistivity of (Me <sub>2</sub> -DCNQI) <sub>2</sub> Li <sub>1-x</sub> Cu <sub>x</sub> . Journal of the Physical Society of Japan, 1999, 68, 1384-1391.	1.6	40
92	Electronic State of a Conducting Single Molecule Magnet Based on Mn-salen Type and Ni-Dithiolene Complexes. Inorganic Chemistry, 2011, 50, 9337-9344.	4.0	40
93	The organic $\pi$ -electron metal system with interaction through mixed-valence metal cation: Electronic and structural properties of highly conducting anion radical salts (2, 5-R <sub>1</sub> , R <sub>2</sub> -DCNQI) <sub>2</sub> Cu (DCNQI = N,) Tj ETQq1 1 0.784314 rgBT /Overlock 10 TF	1.6	40
94	Observation of metallic conductivity down to 14 K in Langmuir-Blodgett films based on BEDO-TTF and behenic acid. Physical Review B, 1997, 55, R10225-R10228.	3.2	39
95	Valence instability in a dimer of two-orbital system: possible charge separation due to 'negative U' effect. Chemical Physics Letters, 2004, 387, 448-452.	2.6	39
96	Single-Component Molecular Conductor [Cu(dmdt) <sub>2</sub> ] with Three-Dimensionally Arranged Magnetic Moments Exhibiting a Coupled Electric and Magnetic Transition. Journal of the American Chemical Society, 2012, 134, 12724-12731. liquid Candidate	13.7	39
97	Single-Component Molecular Conductor [Cu(dmdt) <sub>2</sub> ] with Three-Dimensionally Arranged Magnetic Moments Exhibiting a Coupled Electric and Magnetic Transition. Journal of the American Chemical Society, 2012, 134, 12724-12731. liquid Candidate	8.9	39
98	CRYSTAL STRUCTURE AND ELECTRICAL CONDUCTIVITY OF (Et <sub>4</sub> N) <sub>0.5</sub> [Ni(dmit) <sub>2</sub> ]. Chemistry Letters, 1984, 13, 1-4.	1.3	38
99	Anion Arrangement in a New Molecular Superconductor, $\hat{I}_2$ -(BEDT-TTF) <sub>2</sub> (I <sub>3</sub> ) <sub>1-x</sub> (AuI <sub>2</sub> ) <sub>x</sub> (x < 0.02). Chemistry Letters, 1986, 15, 2017-2020.	1.3	38
100	New Molecular Conductors, $\hat{I}_2$ and $\hat{I}_2$ -(EDT-TTF)[Ni(dmit) <sub>2</sub> ] Metal with Anomalous Resistivity Maximum vs. Semiconductor with Mixed Stacks. Chemistry Letters, 1989, 18, 1839-1842.	1.3	38
101	New phase of (BEDT-TTF)(TCNQ). Synthetic Metals, 2003, 133-134, 449-451.	3.9	38
102	Spin and valley splittings in multilayered massless Dirac fermion system. Physical Review B, 2010, 82, . Interband effects of magnetic field on Hall conductivity in the multilayered massless Dirac fermion system	3.2	38
103	Spin and valley splittings in multilayered massless Dirac fermion system. Physical Review B, 2010, 82, . Interband effects of magnetic field on Hall conductivity in the multilayered massless Dirac fermion system	3.2	37
104	Electron "hole doping asymmetry of Fermi surface reconstructed in a simple Mott insulator. Nature Communications, 2016, 7, 12356.	12.8	37
105	Crystal Structure and Molecular Structure of Neutral Nickel Bis(5,6-dihydro-1,4-dithiin-2,3-dithiolate), Ni(dddt) <sub>2</sub> . Bulletin of the Chemical Society of Japan, 1988, 61, 579-581.	3.2	36
106	Reentrant behavior in the pressure-temperature dependence of the resistivity of (DMeO-DCNQI) <sub>2</sub> Cu. Solid State Communications, 1989, 72, 1-5.	1.9	36
107	Synthesis and crystal structure of the molecular metal based on iodine-bonded $\pi$ -donor, (IEDT)[Pd(dmit) <sub>2</sub> ]. Journal of the Chemical Society Chemical Communications, 1995, , 1097-1098.	2.0	36
108	Evidence for the Breakdown of Simple Classical Pictures of Organic Molecule-Based Ferrimagnetics: A Low-Temperature Crystal Structure and Single-Crystal ESR Studies of an Organic Heterospin System. Journal of Physical Chemistry B, 2000, 104, 503-509.	2.6	36

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109	Magnetic Properties of Phenyl Nitronyl Nitroxides. <i>Molecular Crystals and Liquid Crystals</i> , 1993, 232, 45-52.	0.3	35
110	Electrical and Optical Properties of $\pm$ -(BETS) <sub>2</sub> I <sub>3</sub> and $\pm$ -(BEDT-STF) <sub>2</sub> I <sub>3</sub> . <i>Bulletin of the Chemical Society of Japan</i> , 1995, 68, 547-553.	3.2	35
111	Anomalous pressure-temperature phase diagram of the molecular conductor, (DI-DCNQI) <sub>2</sub> Cu (DI-DCNQI=2,5-DIODO-N,N'-dicyanoquinonediimine). <i>Solid State Communications</i> , 1995, 93, 675-679.	1.9	34
112	Structural and electrical properties of (BEDT-TTF) <sub>2</sub> X (diiodoacetylene) (X=Cl, Br): the novel self-assembly of neutral Lewis-acidic molecules and halide anions in a molecular metal. <i>Journal of Materials Chemistry</i> , 1998, 8, 15-16.	6.7	33
113	Large and ultrafast photoinduced reflectivity change in the charge separated phase of $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"} \rangle$		



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127	Weak Ferromagnetism and Magnetic Anisotropy in Cu Salt of Fully Deuterated DMe-DCNQI, (DMe-DCNQI-d8)2Cu. Journal of the Physical Society of Japan, 1993, 62, 1470-1473.	1.6	29
128	Vibrational studies on electronic structures in metallic and insulating phases of the Cu complexes of substituted dicyanoquinonediimines (DCNQI). A comparison with the cases of the Li and Ba complexes. Journal of Chemical Physics, 1994, 100, 2449-2457.	3.0	29
129	Superconductivity in new organic conductor $\hat{I}^{\pm}$ -(BEDSe-TTF)2CuN(CN)2Br. Solid State Communications, 1998, 108, 377-381.	1.9	29
130	EPR investigation of the electronic states in $\hat{I}^{\pm}$ -type [Pd(dmit)2]2 compounds (where dmit is) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 6	6.7	29
131	Time-Resolved Infrared Vibrational Spectroscopy of the Photoinduced Phase Transition of Pd(dmit)2 Salts Having Different Orders of Phase Transition. Journal of Physical Chemistry C, 2013, 117, 13187-13196.	3.1	29
132	Pressure-Induced Metallic Conductivity in the Single-Component Molecular Crystal [Ni(dmit)2]. European Journal of Inorganic Chemistry, 2014, 2014, 3837-3840.	2.0	29
133	Strain-Tunable Superconducting Field-Effect Transistor with an Organic Strongly-Correlated Electron System. Advanced Materials, 2014, 26, 3490-3495.	21.0	29
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