

K Kanoda

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

125
papers

5,221
citations

34
h-index

71
g-index

126
ext. papers

5,630
ext. citations

5.6
avg, IF

5.43
L-index

#	Paper	IF	Citations
125	Phase Diagram for Light-Induced Superconductivity in $\text{U}(\text{ET})_2\text{-X}$. <i>Physical Review Letters</i> , 2021 , 127, 197002	7.4	0
124	Fate of soliton matter upon symmetry-breaking ferroelectric order. <i>Physical Review B</i> , 2021 , 103,	3.3	1
123	Terahertz-field-induced polar charge order in electronic-type dielectrics. <i>Nature Communications</i> , 2021 , 12, 953	17.4	1
122	Magnetic excitations in an ionic spin-chain system with a nonmagnetic ferroelectric instability. <i>Physical Review Research</i> , 2020 , 2,	3.9	1
121	Photomolecular High-Temperature Superconductivity. <i>Physical Review X</i> , 2020 , 10,	9.1	23
120	Variation in the nature of the neutral-ionic transition in DMTTFCl_4 under pressure probed by NQR and NMR. <i>Physical Review B</i> , 2019 , 99,	3.3	1
119	Strange metal from a frustration-driven charge order instability. <i>Nature Materials</i> , 2019 , 18, 229-233	27	4
118	Topological charge transport by mobile dielectric-ferroelectric domain walls. <i>Science Advances</i> , 2019 , 5, eaax8720	14.3	6
117	Evidence for solitonic spin excitations from a charge-lattice-coupled ferroelectric order. <i>Science Advances</i> , 2018 , 4, eaau7725	14.3	8
116	Electronic crystal growth. <i>Science</i> , 2017 , 357, 1378-1381	33.3	19
115	Mott transition by an impulsive dielectric breakdown. <i>Nature Materials</i> , 2017 , 16, 1100-1105	27	27
114	Resonant inelastic x-ray scattering probes the electron-phonon coupling in the spin liquid $\text{U}(\text{BEDT-TTF})_2\text{Cu}_2(\text{CN})_3$. <i>Physical Review B</i> , 2017 , 96,	3.3	9
113	Quantum Spin Liquid Emerging from Antiferromagnetic Order by Introducing Disorder. <i>Physical Review Letters</i> , 2015 , 115, 077001	7.4	44
112	Pressure-induced Mott transition in an organic superconductor with a finite doping level. <i>Physical Review Letters</i> , 2015 , 114, 067002	7.4	36
111	Evidence of Andreev bound states as a hallmark of the FFLO phase in $\text{U}(\text{BEDT-TTF})_2\text{Cu}(\text{NCS})_2$. <i>Nature Physics</i> , 2014 , 10, 928-932	16.2	107
110	Pressure-temperature phase diagram of a charge-ordered organic conductor studied by C^{13} NMR. <i>Physical Review B</i> , 2014 , 90,	3.3	1
109	Anisotropic charge dynamics in the quantum spin-liquid candidate $\text{U}(\text{BEDT-TTF})_2\text{Cu}_2(\text{CN})_3$. <i>Physical Review B</i> , 2014 , 90,	3.3	47

108	Emergence of nonequilibrium charge dynamics in a charge-cluster glass. <i>Physical Review B</i> , 2014 , 89,	3.3	22
107	Charge-cluster glass in an organic conductor. <i>Nature Physics</i> , 2013 , 9, 419-422	16.2	58
106	Magnetic and non-magnetic phases of a quantum spin liquid. <i>Nature</i> , 2011 , 471, 612-6	50.4	132
105	Pressure-induced superconductivity and Mott transition in spin-liquid κ (ET) ₂ Cu ₂ (CN) ₃ probed by ¹³ C NMR. <i>Physical Review B</i> , 2010 , 81,	3.3	22
104	Spin ordering and enhancement of electronic heat capacity in an organic system of (DI-DCNQI) ₂ (Ag _{1-x} Cu _x). <i>Journal of Physics Condensed Matter</i> , 2009 , 21, 015602	1.8	2
103	Field-induced staggered magnetic moment in the quasi-two-dimensional organic Mott insulator κ (BEDT-TTF) ₂ Cu[N(CN) ₂]Cl. <i>Physical Review B</i> , 2008 , 78,	3.3	30
102	Mott Transition and Superconductivity in Q2D Organic Conductors. <i>Springer Series in Materials Science</i> , 2008 , 623-642	0.9	8
101	Pressure dependence of the phase separation in deuterated at the Mott boundary. <i>Journal of Magnetism and Magnetic Materials</i> , 2007 , 310, 1102-1104	2.8	4
100	Spin Liquid State in κ (BEDT-TTF) ₂ Cu ₂ (CN) ₃ Studied by Muon Spin Relaxation Method. <i>Journal of Low Temperature Physics</i> , 2007 , 142, 153-158	1.3	3
99	Role of Frustration in Quasi 1D Conductor κ Charge Ordering and/or CDW in (R ₁ ,R ₂ -DCNQI) ₂ M (M=Ag, Li, Cu) System \square <i>Journal of Low Temperature Physics</i> , 2007 , 142, 359-364	1.3	
98	Wigner crystallization in (DI-DCNQI) ₂ Ag detected by synchrotron radiation X-Ray diffraction. <i>Physical Review Letters</i> , 2007 , 98, 066402	7.4	29
97	Spin liquid state in κ (BEDT-TTF) ₂ Cu ₂ (CN) ₃ studied by muon spin relaxation method. <i>Journal of Low Temperature Physics</i> , 2006 , 142, 153-158	1.3	28
96	Role of frustration in quasi 1D conductor κ Charge ordering and/or CDW in (R ₁ ,R ₂ -DCNQI) ₂ M (M=Ag, Li, Cu) system \square <i>Journal of Low Temperature Physics</i> , 2006 , 142, 355-360	1.3	
95	Emergence of inhomogeneous moments from spin liquid in the triangular-lattice Mott insulator κ (ET) ₂ Cu ₂ (CN) ₃ . <i>Physical Review B</i> , 2006 , 73,	3.3	118
94	Depressed charge gap in the triangular-lattice Mott insulator κ (ET) ₂ Cu ₂ (CN) ₃ . <i>Physical Review B</i> , 2006 , 74,	3.3	51
93	Influence of the cooling rate on low-temperature Raman and infrared-reflection spectra of partially deuterated κ (BEDT-TTF) ₂ Cu(N(CN) ₂)Br. <i>Synthetic Metals</i> , 2005 , 149, 13-18	3.6	3
92	Melting of charge order in (DI-DCNQI) ₂ Ag by pressure. <i>Synthetic Metals</i> , 2005 , 154, 273-276	3.6	
91	NMR Study of the Spin-Liquid State and Mott Transition in the Spin-Frustrated Organic System, κ (ET) ₂ Cu ₂ (CN) ₃ . <i>Synthetic Metals</i> , 2005 , 152, 393-396	3.6	3

90	Mott transition in the quasi-two-dimensional β -(BEDT-TTF) ₂ Cu[N(CN) ₂]Cl; Transport Criticality and Field-induced Transition. <i>Synthetic Metals</i> , 2005 , 152, 413-416	3.6	1
89	Mott transition from a spin liquid to a Fermi liquid in the spin-frustrated organic conductor κ -(ET) ₂ Cu ₂ (CN) ₃ . <i>Physical Review Letters</i> , 2005 , 95, 177001	7.4	255
88	The origin of the phase separation in partially deuterated β -(ET) ₂ Cu[N(CN) ₂]Br studied by infrared magneto-optical imaging spectroscopy. <i>Solid State Communications</i> , 2005 , 134, 189-193	1.6	12
87	Unconventional critical behaviour in a quasi-two-dimensional organic conductor. <i>Nature</i> , 2005 , 436, 534-537	7.4	244
86	Collapse of the charge order in (DI-DCNQI) ₂ Ag by dimensional crossover. <i>Physical Review B</i> , 2005 , 72,	3.3	13
85	Magnetic-field-induced Mott transition in a quasi-two-dimensional organic conductor. <i>Physical Review Letters</i> , 2004 , 93, 127001	7.4	44
84	Collapse of charge order in a quasi-one-dimensional organic conductor with a quarter-filled band. <i>Physical Review Letters</i> , 2004 , 93, 216408	7.4	44
83	Transport criticality of the first-order Mott transition in the quasi-two-dimensional organic conductor β -(BEDT-TTF) ₂ Cu[N(CN) ₂]Cl. <i>Physical Review B</i> , 2004 , 69,	3.3	114
82	Electronic state of (DI-DCNQI) ₂ Ag under ambient and applied pressures. <i>Synthetic Metals</i> , 2003 , 133-134, 293-294	3.6	2
81	Phase control of β -(BEDT-TTF) ₂ Cu[N(CN) ₂]Br by partial deuteration. <i>Synthetic Metals</i> , 2003 , 133-134, 123-124	3.6	
80	Vibrational spectra of BEDT-TTF based 2D charge ordering systems. <i>Synthetic Metals</i> , 2003 , 133-134, 269-272	3.6	3
79	Spin liquid state in an organic Mott insulator with a triangular lattice. <i>Physical Review Letters</i> , 2003 , 91, 107001	7.4	875
78	Field switching of superconductor-insulator bistability in artificially tuned organics. <i>Physical Review B</i> , 2003 , 67,	3.3	49
77	Study of the Phase Transitions of (DI-DCNQI) ₂ M (M=Ag, Li,Cu) through the Analysis of the Temperature-Dependent Vibronic and Vibrational Infrared Absorptions. <i>Journal of Solid State Chemistry</i> , 2002 , 168, 632-638	3.3	7
76	d Orbital doping into pi charge-ordered molecular insulator. <i>Physical Review Letters</i> , 2002 , 89, 246402	7.4	5
75	Proximity of pseudogapped superconductor and commensurate antiferromagnet in a quasi-two-dimensional organic system. <i>Physical Review Letters</i> , 2002 , 89, 017003	7.4	82
74	Thermodynamic studies of electron correlation effects on organic salts based on BEDT-TTF and DCNQI molecules. <i>Journal of Physics and Chemistry of Solids</i> , 2001 , 62, 385-388	3.9	8
73	Ferromagnetic and antiferromagnetic fluctuations of pi-d itinerant electrons disclosed by band-selective NMR. <i>Physical Review Letters</i> , 2001 , 87, 107602	7.4	5

72	Electronic state of (DI-DCNQI) ₂ Ag with Cu doping or under pressure. <i>Synthetic Metals</i> , 2001 , 120, 835-836	3.6	5
71	Study of the phase transitions of (DI-DCNQI) ₂ X using vibronic and vibrational spectra. <i>Synthetic Metals</i> , 2001 , 120, 1091-1092	3.6	5
70	Electronic specific heat of BEDT-TTF-based organic conductors. <i>Physica B: Condensed Matter</i> , 2000 , 281-282, 899-900	2.8	7
69	Electronic specific heat at the boundary region of the metal-insulator transition in the two-dimensional electronic system of (BEDT-TTF) ₂ Cu[N(CN) ₂]Br. <i>Physical Review B</i> , 2000 , 61, R16295-R16298	3.3	43
68	Charge ordering in a quasi-two-dimensional organic conductor. <i>Physical Review B</i> , 2000 , 62, R7679-R7683	3.3	161
67	X-ray structural study of 4kF Wigner crystal and 4kF Peierls state in DCNQI complex with 1/4 filled quasi one-dimensional band. <i>European Physical Journal Special Topics</i> , 1999 , 09, Pr10-357-Pr10-359		17
66	Hiraki and Kanoda Reply. <i>Physical Review Letters</i> , 1999 , 82, 2412-2412	7.4	9
65	Thermodynamic investigation of the electronic states of deuterated (BEDT-TTF) ₂ Cu[N(CN) ₂]Br. <i>Physical Review B</i> , 1999 , 60, 4263-4267	3.3	9
64	Superconductor-insulator phase transformation of partially deuterated (BEDT-TTF) ₂ Cu[N(CN) ₂]Br by control of the cooling rate. <i>Physical Review B</i> , 1999 , 59, 8424-8427	3.3	52
63	Electronic structures of organic salts (DI-DCNQI) ₂ M (M=Cu and Ag) using photoelectron spectromicroscopy. <i>Solid State Communications</i> , 1999 , 110, 17-22	1.6	6
62	d orbital hybridization in the metallic state of organic-inorganic complexes seen by ¹³ C and ¹⁵ N NMR at selective sites. <i>Physical Review B</i> , 1999 , 60, 14847-14851	3.3	11
61	Two types of charge ordering in DCNQI-metal complexes studied by ¹³ C-NMR. <i>Synthetic Metals</i> , 1999 , 103, 1825-1826	3.6	2
60	X-Band and millimeter wave esr studies of (Di-DCNQI) ₂ Ag. <i>Synthetic Metals</i> , 1999 , 103, 1894-1895	3.6	5
59	Thermodynamics of BEDT-TTF based dimeric salts. <i>Synthetic Metals</i> , 1999 , 103, 1903-1904	3.6	4
58	X-ray structural study of 4kF Superlattice in (DI-DCNQI) ₂ Ag. <i>Synthetic Metals</i> , 1999 , 102, 1778	3.6	11
57	Circularly polarized cyclotron resonance measurement system and its application to BEDT-TTF salts. <i>Synthetic Metals</i> , 1999 , 103, 1913	3.6	2
56	ESR study of Mott insulator (BEDT-TTF) ₂ Cu[N(CN) ₂]Cl. <i>Synthetic Metals</i> , 1999 , 103, 1914-1915	3.6	5
55	Metal-insulator transition in partially deuterated (BEDT-TTF) ₂ Cu[N(CN) ₂]Br. <i>Synthetic Metals</i> , 1999 , 103, 2250	3.6	2

54	High pressure structure of (DIDCNQI)2Cu. <i>Synthetic Metals</i> , 1999 , 103, 2252	3.6	2
53	Submillimeter wave ESR measurements of two-dimensional organic antiferromagnet β -(BEDT-TTF)2ICl2. <i>Journal of Magnetism and Magnetic Materials</i> , 1998 , 177-181, 746-747	2.8	5
52	Fermi surface study of β -(BEDT-TTF)2MHg(SCN)4 by cyclotron resonance measurement. <i>Physica B: Condensed Matter</i> , 1998 , 246-247, 311-314	2.8	7
51	¹³ C NMR study of the metal-insulator transition in (DMeDCNQI)2Cu systems with partial deuteration. <i>Physical Review B</i> , 1998 , 58, 1243-1251	3.3	17
50	Wigner Crystal Type of Charge Ordering in an Organic Conductor with a Quarter-Filled Band: (DIDCNQI)2Ag. <i>Physical Review Letters</i> , 1998 , 80, 4737-4740	7.4	155
49	High Pressure Structures of Organic Low Dimensional Conductor DCNQI Compounds.. <i>Review of High Pressure Science and Technology/Koatsuryoku No Kagaku To Gijutsu</i> , 1998 , 7, 404-406	0	6
48	Reply to the Comment on Electronic structure of insulating salts of the β -(BEDT-TTF)2X family studied by low-temperature specific-heat measurements. <i>Physical Review B</i> , 1997 , 56, 951-952	3.3	
47	Low-temperature specific heat of β -(BEDT-TTF)2Cu[N(CN)2]Br in the superconducting state. <i>Physical Review B</i> , 1997 , 55, R8670-R8673	3.3	106
46	¹³ C NMR study of nesting instability in β -(BEDT-TTF)2RbHg(SCN)4. <i>Physical Review B</i> , 1997 , 56, R8487-R8490	3.3	45
45	Deuterated β -(BEDT-TTF)2Cu[N(CN)2]Br: A system on the border of the superconductor-magnetic-insulator transition. <i>Physical Review B</i> , 1997 , 55, 14140-14143	3.3	114
44	¹³ C-NMR study on β -(BEDT-TTF)2I3. <i>Synthetic Metals</i> , 1997 , 85, 1537-1538	3.6	5
43	Nmr study of superconductivity in β -(BEDT-TTF)2X. <i>Synthetic Metals</i> , 1997 , 85, 1545-1546	3.6	1
42	Low-temperature specific heat studies on superconductors and mott insulators in β -(BEDT-TTF)2X system. <i>Synthetic Metals</i> , 1997 , 85, 1563-1564	3.6	4
41	Cyclotron resonance of β -(BEDT-TTF)2RbHg(SCN)4 observed at above and below the transition temperature. <i>Synthetic Metals</i> , 1997 , 86, 1913-1914	3.6	14
40	Nesting instability in a family of β -(BEDT-TTF)2MHg(SCN)4 [M = K, Rb, NH4] studied by ¹³ C-NMR. <i>Synthetic Metals</i> , 1997 , 86, 1987-1988	3.6	11
39	Submillimeter wave ESR and cyclotron resonance measurements of β -(BEDT-TTF)2NH4Hg(SCN)4. <i>Synthetic Metals</i> , 1997 , 86, 2051-2052	3.6	16
38	Submillimeter wave AFMR of Mott insulator β -(BEDT-TTF)2Cu[N(CN)2]Cl. <i>Synthetic Metals</i> , 1997 , 86, 2079-2080	3.6	7
37	¹³ C and ¹ H NMR study of vortex dynamics in a layered organic superconductor at selective nuclear sites. <i>Physica C: Superconductivity and Its Applications</i> , 1997 , 282-287, 2063-2064	1.3	2

36	Recent progress in NMR studies on organic conductors 1997 , 104, 235-249		350
35	Electron correlation, metal-insulator transition and superconductivity in quasi-2D organic systems, (ET) ₂ X. <i>Physica C: Superconductivity and Its Applications</i> , 1997 , 282-287, 299-302	1-3	254
34	Melting and interlayer coherence of vortices in the quasi-two-dimensional organic superconductor, β (BEDT-TTF) ₂ NH ₄ Hg(SCN) ₄ . <i>Physica C: Superconductivity and Its Applications</i> , 1997 , 282-287, 2013-2014	1-3	
33	Thermodynamic property of organic superconductor β (BEDT-TTF) ₂ X [X=Cu(NCS) ₂ , Cu[N(CN) ₂]Br]. <i>Physica C: Superconductivity and Its Applications</i> , 1997 , 282-287, 1897-1898	1-3	12
32	NMR relaxation rate in the superconducting state of the organic conductor kappa -(BEDT-TTF) ₂ Cu. <i>Physical Review B</i> , 1996 , 54, 76-79	3-3	119
31	Electronic structure of insulating salts of the kappa -(BEDT-TTF) ₂ X family studied by low-temperature specific-heat measurements. <i>Physical Review B</i> , 1996 , 53, R8875-R8878	3-3	40
30	Highly anisotropic superconductivity in the organic conductor alpha -(BEDT-TTF) ₂ NH ₄ Hg(SCN) ₄ . <i>Physical Review B</i> , 1996 , 53, R8879-R8882	3-3	15
29	Characterization of low-temperature electronic states of the organic conductors alpha -(BEDT-TTF) ₂ MHg(SCN) ₄ (M=K, Rb, and NH ₄) by specific-heat measurements. <i>Physical Review B</i> , 1995 , 52, 12890-12894	3-3	41
28	Antiferromagnetic ordering and spin structure in the organic conductor, kappa -(BEDT-TTF) ₂ Cu. <i>Physical Review Letters</i> , 1995 , 75, 1174-1177	7-4	245
27	Kawamoto et al. reply. <i>Physical Review Letters</i> , 1995 , 75, 3587	7-4	1
26	Complex susceptibility and penetration depth of BEDT-TTF based layered superconductors. <i>Synthetic Metals</i> , 1995 , 70, 919-920	3-6	3
25	Specific heat study of β (BEDT-TTF) ₂ MHg(SCN) ₄ . <i>Synthetic Metals</i> , 1995 , 70, 943-944	3-6	6
24	Systematic study of DCNQI-Cu salts by NMR at selective nuclear sites. <i>Synthetic Metals</i> , 1995 , 70, 1079-1080	3-6	1
23	Electron correlation in the kappa -phase family of BEDT-TTF compounds studied by ¹³ C NMR, where BEDT-TTF is bis(ethylenedithio)tetrathiafulvalene. <i>Physical Review B</i> , 1995 , 52, 15522-15533	3-3	120
22	¹³ C NMR Study of Layered Organic Superconductors Based on BEDT-TTF Molecules. <i>Physical Review Letters</i> , 1995 , 74, 3455-3458	7-4	164
21	Upper critical field and NMR relaxation studies of an organic superconductor, k-(MDT-TTF) ₂ AuI ₂ . <i>Synthetic Metals</i> , 1993 , 56, 2871-2876	3-6	9
20	Magnetic penetration depth of the k-phase family of organic superconductors. <i>Synthetic Metals</i> , 1993 , 56, 2865-2870	3-6	15
19	Magnetism of DCNQI-Cu salts. <i>Synthetic Metals</i> , 1993 , 56, 2281-2288	3-6	21

18	1H-NMR studies of the low temperature phase of κ (BEDT-TTF) $_2$ KHg(SCN) $_4$. <i>Synthetic Metals</i> , 1993 , 56, 2513-2518	3.6	10
17	Cu NMR study of the organic conductor (DMe-DCNQI) $_2$ Cu. <i>Physica B: Condensed Matter</i> , 1993 , 186-188, 1059-1061	2.8	4
16	Origin of spin susceptibility in Bi $_2$ Sr $_2$ Ca $_n$ κ Cu $_n$ O $_{2n+4}$ (n=1, 2, 3). <i>Physica C: Superconductivity and Its Applications</i> , 1991 , 178, 231-243	1.3	7
15	Superconductivity and magnetism of Bi $_2$ Sr $_2$ CaCu $_2$ O $_x$ Effect of quenching and pulverization. <i>Physica C: Superconductivity and Its Applications</i> , 1991 , 176, 24-34	1.3	22
14	Antiferromagnetic transitions in the organic conductors based on asymmetric donors. <i>Synthetic Metals</i> , 1991 , 42, 1679-1682	3.6	
13	1H-NMR relaxation rate in (DMe-DCNQI) $_2$ Cu and (DMeO-DCNQI) $_2$ Cu. <i>Synthetic Metals</i> , 1991 , 42, 1843-1846	3.6	6
12	Unconventional superconductivity in the organic superconductor, κ (BEDT-TTF) $_2$ Cu(NCS) $_2$. <i>Synthetic Metals</i> , 1991 , 42, 2005-2010	3.6	6
11	Superconducting transition temperatures of two-dimensional ultrathin V films and quasi-two-dimensional V-Si multilayered systems. <i>Physical Review B</i> , 1989 , 40, 4321-4328	3.3	5
10	Characterization of quenched Bi $_2$ Sr $_2$ CaCu $_2$ O $_x$. <i>Physica C: Superconductivity and Its Applications</i> , 1989 , 162-164, 1005-1006	1.3	3
9	Oxygen-deficiency dependent magnetism of YBa $_2$ Cu $_3$ O $_{7-x}$: EPR and static susceptibility. <i>Synthetic Metals</i> , 1989 , 29, 547-552	3.6	2
8	Anomalous NMR relaxation in an organic superconductor (BEDT-TTF) $_2$ Cu(NCS) $_2$. <i>Physica C: Superconductivity and Its Applications</i> , 1988 , 153-155, 487-488	1.3	33
7	NMR relaxation in the organic superconductor (BEDT-TTF) $_2$ Cu(NCS) $_2$. <i>Synthetic Metals</i> , 1988 , 27, A319-A324	3.6	60
6	EPR studies of organic conductors (DMET) $_2$ X. <i>Synthetic Metals</i> , 1988 , 27, 385-390	3.6	16
5	Field penetration into proximity-coupled superconducting multilayers. <i>Physical Review B</i> , 1987 , 35, 415-418	3.3	9
4	Magnetic-field penetration depth and material parameters of V-Ag multilayered superconductors. <i>Physical Review B</i> , 1987 , 35, 8413-8420	3.3	14
3	Upper critical field of V-Ag multilayered superconductors. <i>Physical Review B</i> , 1987 , 35, 6736-6748	3.3	34
2	Dimensional crossover and commensurability effect in V/Ag superconducting multilayers. <i>Physical Review B</i> , 1986 , 33, 2052-2055	3.3	69
1	Superconductive behavior of quasi-one-dimensional Nb $_3$ Se $_4$. <i>Physical Review B</i> , 1984 , 29, 1183-1188	3.3	20

