Kazushi Kanoda

List of Publications by Year
in descending order

118	7,825	94269 37	51492 86
papers	citations	h-index	g-index

119	119	119	4037
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Interaction-driven BEC-BCS Crossover in a Doped Spin Liquid Candidate <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:mi>Î¹</mml:mi><mml:mtext>â^'</mml:mtext><mml:mo stretchy="false">(</mml:mo><mml:mi>BEDT</mml:mi><mml:mtext>â^'</mml:mtext><mml:mi>TTF</mml:mi><mml:msub><mml:mro	2.8	9
2	Physical Review X, 2022, 12, . Topological Excitations in Neutralâ€“Ionic Transition Systems. Symmetry, 2022, 14, 925.	1.1	1
3	Terahertz-field-induced polar charge order in electronic-type dielectrics. Nature Communications, 2021, 12, 953.	5.8	9
4	Interacting chiral electrons at the 2D Dirac points: a review. Reports on Progress in Physics, 2021, 84, 036502.	8.1	15
5	Fate of soliton matter upon symmetry-breaking ferroelectric order. Physical Review B, 2021, 103, .	1.1	2
6	Gapped magnetic ground state in quantum spin liquid candidate Î¹-(BEDT-TTF) ₂ Cu ₂ (CN) ₃. Science, 2021, 372, 276-279.	6.0	38
7	Enhanced lattice fluctuations prior to a nonmagnetic ferroelectric order in an ionic spin-chain system. Physical Review B, 2021, 104, .	1.1	1
8	Single-Component Molecular Conductors â€" Multi-Orbital Correlated Ï€-d Electron Systems. Bulletin of the Chemical Society of Japan, 2021, 94, 2540-2562.	2.0	8
9	Emergence of unconventional spin glass-like state in <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mi>Î¹</mml:mi></mml:math> - <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mi>(ET)</mml:mi><mml:msub><mml:mrow /><mml:mn>2</mml:mn></mml:msub><mml:msub><mml:mrow><mml:mi>Cu[N(CN)</mml:mi></mml:mrow><mml:mn>2</mml:mn>	1.1	1
10	Phase Diagram for Light-Induced Superconductivity in <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:mi>Î¹</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 50 372 Td	2.9	13
11	mathvariant="normal">X</mml:mi></mml:mrow></mml:math>. Physical Review Letters, 2021, 127, 197002. Anomalous 2D-Confined Electronic Transport in Layered Organic Charge-Glass Systems. Physical Review Letters, 2020, 125, 146601.	2.9	4
12	Photomolecular High-Temperature Superconductivity. Physical Review X, 2020, 10, .	2.8	59
13	New insights into the structural properties of Î¹-(BEDT-TTF)₂Ag₂(CN)₃spin liquid. Acta Crystallographica Section B: Structural Science, Crystal Engineering and Materials, 2020, 76, 581-590.	0.5	1
14	Quantum Disordering of an Antiferromagnetic Order by Quenched Randomness in an Organic Mott Insulator. Physical Review Letters, 2020, 124, 117204.	2.9	10
15	Electronic Griffiths Phase in Disordered Mott-Transition Systems. Physical Review Letters, 2020, 124, 046404.	2.9	23
16	Chiral excitonic instability of two-dimensional tilted Dirac cones. Physical Review Research, 2020, 2, .	1.3	11
17	Magnetic excitations in an ionic spin-chain system with a nonmagnetic ferroelectric instability. Physical Review Research, 2020, 2, .	1.3	4
18	Multiorbital antiferromagnetic metal induced by intramolecular self-doping. Physical Review Research, 2020, 2, .	1.3	2

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19	Superfluid density versus transition temperature in a layered organic superconductor Îºâ˜'(BEDTâ˜'TTF)2Cu[N(CN)2]Br under pressure. Physical Review Research, 2020, 2, . <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mmultiscripts><mml:mi mathvariant="normal">C</mml:mi><mml:mprescripts /><mml:none /><mml:mn>13</mml:mn></mml:mmultiscripts></mml:math> NMR evidence for strong electron correlation and antiferromagnetic order in the single-component molecular material <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mi>Pd</mml:mi><mml:msub><mml:mrow><mml:mo>(</mml:mo><mml:m	1.3	3
20	Disorder tunes Mott quantum criticality behind a first-order transition in the quasi-two-dimensional organic conductor <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mi>Îº</mml:mi><mml:mtext>â˜'</mml:mtext><mml:mo>(</mml:mo><mml:m /><mml:mn>2</mml:mn></mml:msub><mml:mtext>Cu</mml:mtext><mml:mo>[</mml:mo><mml:mtext>N</mml:mtext><mml:mo>< Physical Review B, 2019, 99, .	1.1	3
21	Variation in the nature of the neutral-ionic transition in DMTTFâ˜'QCl4 under pressure probed by NQR and NMR. Physical Review B, 2019, 99, .	1.1	3
22	Single-component molecular conductor [Pt(dmdt)₂]â€"a three-dimensional ambient-pressure molecular Dirac electron system. Chemical Communications, 2019, 55, 3327-3330.	2.2	31
23	Strange metal from a frustration-driven charge order instability. Nature Materials, 2019, 18, 229-233.	13.3	10
24	Charge Order and Poor Glass-forming Ability of an Anisotropic Triangular-lattice System, Î¸-(BEDT-TTF)2TlCo(SCN)4, Investigated by NMR. Journal of the Physical Society of Japan, 2019, 88, 034705.	0.7	1
25	Topological charge transport by mobile dielectric-ferroelectric domain walls. Science Advances, 2019, 5, eaax8720.	4.7	11
26	Spin-lattice decoupling in a triangular-lattice quantum spin liquid. Nature Communications, 2018, 9, 1509.	5.8	17
27	Quasi-continuous transition from a Fermi liquid to a spin liquid in Îº-(ET)2Cu2(CN)3. Nature Communications, 2018, 9, 307.	5.8	36
28	Evidence for solitonic spin excitations from a charge-latticeâ€"coupled ferroelectric order. Science Advances, 2018, 4, eaau7725.	4.7	11
29	(BEDT-TTF)2Cu2(CN)3 Spin Liquid: Beyond the Average Structure. Crystals, 2018, 8, 158.	1.0	14
30	Mott Transition Coupled to Molecular Motion in a Quasi-Two-Dimensional Organic Material. Journal of the Physical Society of Japan, 2018, 87, 094707.	0.7	1
31	Revisited phase diagram on charge instability and lattice symmetry breaking in the organic ferroelectric <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:msub><mml:mtext>TTF-QCl</mml:mtext><mml:mn>4</mml:mn></mml:m Physical Review B, 2018, 98, .	1.1	19
32	In Which Directions Do Spins Point? â€"Unexpected Orientations and Unusual Turns in an Organic Mott Insulator. JPSJ News and Comments, 2018, 15, 03.	0.2	1
33	Single-component molecular material hosting antiferromagnetic and spin-gapped Mott subsystems. Physical Review B, 2017, 95, .	1.1	6
34	Electronic crystal growth. Science, 2017, 357, 1378-1381.	6.0	28
35	Spin-gapped Mott insulator with the dimeric arrangement of twisted molecules Zn(tmdt) <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:msub><mml:mrow /><mml:mn>2</mml:mn></mml:msub></mml:math>. Physical Review B, 2017, 95, .	1.1	5
36			

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37	Mott transition by an impulsive dielectricÂbreakdown. Nature Materials, 2017, 16, 1100-1105.	13.3	49
38	Slow dynamics of electrons at a metalâ€“Mott insulator boundary in an organic system with disorder. Science Advances, 2017, 3, e1601594.	4.7	22
39	Anomalous spin correlations and excitonic instability of interacting 2D Weyl fermions. Science, 2017, 358, 1403-1406.	6.0	62
40	Resonant inelastic x-ray scattering probes the electron-phonon coupling in the spin liquid <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mi>Îº</mml:mi></mml:math> -(BEDT-TTF) <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:msub><mml:mrow /><mml:mn>2</mml:mn></mml:msub><mml:msub><mml:mi>Cu</mml:mi><mml:mn>2</mml:mn></mml:msub><mml:msub><mml:mr Physical Review B, 2017, 96, .	1.1	10
41	Quantum spin liquid states. Reviews of Modern Physics, 2017, 89, .	16.4	904
42	Anomalous metallic behaviour in the doped spin liquid candidate Îº-(ET)4Hg2.89Br8. Nature Communications, 2017, 8, 756.	5.8	17
43	Antiferromagnetic Mott insulating state in the single-component molecular material Pd(tmdt) <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:msub><mml:mrow /><mml:mn>2</mml:mn></mml:msub></mml:math>. Physical Review B, 2017, 96, .	1.1	6
44	Quantum criticality in an organic spin-liquid insulator Îº-(BEDT-TTF)2Cu2(CN)3. Nature Communications, 2016, 7, 13494.	5.8	36
45	Electrons Ride on a d-wave Through Pairing in a BETS Superconductor. JPSJ News and Comments, 2016, 13, 06.	0.2	0
46	Transition from a Metal to a Massless-Dirac-Fermion Phase in an Organic Conductor Investigated by¹³C NMR. Journal of the Physical Society of Japan, 2016, 85, 073710.	0.7	2
47	Fluctuation Spectroscopy Analysis Based on the Duttaâ€“Dimonâ€“Horn Model for the Charge-Glass System Î¸-(BEDT-TTF)₂CsZn(SCN)₄. Journal of the Physical Society of Japan, 2016, 85, 123702.	0.7	7
48	Spin excitations in the quasi-two-dimensional charge-ordered insulator<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:mi>Î±</mml:mi><mml:mo>â^'</mml:mo><mml:msub><mml:mi mathvariant="normal">I</mml:mi><mml:mn>3</mml:mn></mml:msub></mml:mrow></mml:math>probed via<mml:math xmlns:mml="http://www.w3.org/1998/Math/Math. Physical Review B, 2016, 94, .	1.1	16
49	Electronic states and molecular dynamics of single-component molecular conductors<mml:math		

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55	Electrical Transport in the Quasi-Two-Dimensional Ionic Mott Insulator M2P-TCNQF4 under High Pressures. Journal of the Physical Society of Japan, 2015, 84, 104702.	0.7	0
56	Pressure-Induced Mott Transition in an Organic Superconductor with a Finite Doping Level. Physical Review Letters, 2015, 114, 067002.	2.9	46
57	Quantum criticality of Mott transition in organicÂmaterials. Nature Physics, 2015, 11, 221-224.	6.5	101
58	Electron transport in TTF-CA under High pressures. Physica B: Condensed Matter, 2015, 460, 83-87.	1.3	8
59	Quantum Spin Liquid Emerging from Antiferromagnetic Order by Introducing Disorder. Physical Review Letters, 2015, 115, 077001.	2.9	61
60	Anisotropic charge dynamics in the quantum spin-liquid candidate<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mi>Îº</mml:mi><mml:mtext>â^'</mml:mtext><mml:mo>(</mml:mo><mm mathvariant="normal">Cu</mml:mi><mml:mn>2</mml:mn></mml:msub><mml:mo>(</mml:mo><mml:mn>CN</mml:mn><mml:msub> Physical Review B, 2014, 90, .	1.1	56
61	Emergence of nonequilibrium charge dynamics in a charge-cluster glass. Physical Review B, 2014, 89, .	1.1	29
62	Ultrasonic investigation of the transition at 6 K in the spin-liquid candidate<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mi>Îº</mml:mi></mml:math>-(BEDT-TTF)<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:msub><mml:mrow /><mml:mn>2</mml:mn></mml:msub><mml:msub><mml:mi>Cu</mml:mi><mml:mn>2</mml:mn></mml:msub><mml:msub><mml:mi Physical Review B, 2014, 89, .	1.1	23
63	Evidence of Andreev bound states as a hallmark of the FFLO phase in Îº-(BEDT-TTF)2Cu(NCS)2. Nature Physics, 2014, 10, 928-932.	6.5	140
64	Pressure-temperature phase diagram of a charge-ordered organic conductor studied by<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mmultiscripts><mml:mi mathvariant="normal">C</mml:mi><mml:mprescripts /><mml:none /><mml:mrow><mml:mn>13</mml:mn></mml:mrow></mml:mmultiscripts></mml:math>NMR. Physical Review B, 2014, 90, .	1.1	1
65	Systematic Variations in the Charge-Glass-Forming Ability of Geometrically Frustrated Î¸-(BEDT-TTF)₂<i>X</i> Organic Conductors. Journal of the Physical Society of Japan, 2014, 83, 083602.	0.7	27
66	Charge-cluster glass in an organic conductor. Nature Physics, 2013, 9, 419-422.	6.5	81
67	NMR evidence for antiferromagnetic transition in the single-component molecular system [Cu(tmdt)<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mrow /><mml:mn>2</mml:mn></mml:msub></mml:math>]. Physical Review B, 2012, 85, .	1.1	9
68	Recent Topics of Organic Superconductors. Journal of the Physical Society of Japan, 2012, 81, 011004.	0.7	106
69	Electron correlations in the quasi-two-dimensional organic conductor<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mi>Î¸</mml:mi></mml:math>-(BEDT-TTF)<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mrow /><mml:mn>2</mml:mn></mml:msub></mml:math>I<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mrow /><mml:	1.1	8
70	Mott Physics in Organic Conductors with Triangular Lattices. Annual Review of Condensed Matter Physics, 2011, 2, 167-188.	5.2	212
71	Magnetic and non-magnetic phases of a quantum spin liquid. Nature, 2011, 471, 612-616.	13.7	155
72	<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msup><mml:mrow /><mml:mn>13</mml:mn></mml:msup></mml:math>C NMR study on the charge-disproportionated conducting state in the quasi-two-dimensional organic conductor<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mi>Î±</mml:mi></mml:math>-(BEDT-TTF)<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mrow /><mml:	1.1	27

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73	Charge-Lattice-Coupled Quantum Fluctuations in DMTTFâ€“2,6-QBr2Cl2. Journal of the Physical Society of Japan, 2010, 79, 043709.	0.7	4
74	13C NMR Study on Zero-Gap State in the Organic Conductor Î¸-(BEDT-TTF)2I3 under Pressure. Journal of the Physical Society of Japan, 2010, 79, 063703.	0.7	15
75	Pressure-induced superconductivity and Mott transition in spin-liquid<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"		

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91	Depressed charge gap in the triangular-lattice Mott insulatorÎºâˆ’(ET)2Cu2(CN)3. Physical Review B, 2006, 74, .	1.1	55
92	Unconventional critical behaviour in a quasi-two-dimensional organic conductor. Nature, 2005, 436, 534-537.	13.7	272
93	Drastic cooling rate dependence of thermal anomaly associated with the superconducting transition in k-(BEDT-TTF)4Hg2.89Br8. Journal of Thermal Analysis and Calorimetry, 2005, 81, 591-594.	2.0	8
94	Anomalous enhancement of electronic heat capacity in the organic conductorsÎºâˆ’(BEDTâˆ’TTF)4Hg3âˆ’ÎX8(X=Br,Cl). Physical Review B, 2005, 71, .	1.1	22
95	Collapse of the charge order in(DIâˆ’DCNQI)2Agby dimensional crossover. Physical Review B, 2005, 72, .	1.1	13
96	Mott Transition from a Spin Liquid to a Fermi Liquid in the Spin-Frustrated Organic ConductorÎºâˆ’(ET)2Cu2(CN)3. Physical Review Letters, 2005, 95, 177001.	2.9	297
97	Transport criticality of the first-order Mott transition in the quasi-two-dimensional organic conductorÎºâˆ’(BEDTâˆ’TTF)2Cu[N(CN)2]Cl. Physical Review B, 2004, 69, .	1.1	124
98	NMR Studies on Two-Dimensional Molecular Conductors and Superconductors:Â Mott Transition in Îº-(BEDT-TTF)2X. Chemical Reviews, 2004, 104, 5635-5654.	23.0	132
99	Spin Liquid State in an Organic Mott Insulator with a Triangular Lattice. Physical Review Letters, 2003, 91, 107001.	2.9	1,011
100	Field switching of superconductor-insulator bistability in artificially tuned organics. Physical Review B, 2003, 67, .	1.1	53
101	Spin-Peierls transition of the quasi-one-dimensional electronic system(DMeâˆ’DCNQI)2M(M=Li,Ag)probed by heat capacity. Physical Review B, 2003, 68, .	1.1	23
102	Charge ordering inÎ¸âˆ’(BEDTâˆ’TTF)2RbZn(SCN)4studied by vibrational spectroscopy. Physical Review B, 2002, 65, .	1.1	141
103	Band-Selective NMR of a Ï€- d Hybridized Electronic System. Molecular Crystals and Liquid Crystals, 2002, 379, 95-100.	0.4	1
104	Proximity of Pseudogapped Superconductor and Commensurate Antiferromagnet in a Quasi-Two-Dimensional Organic System. Physical Review Letters, 2002, 89, 017003.	2.9	89
105	The C=C Stretching Vibrations of Îº-(BEDTâ€“TTF)2Cu[N(CN)2]Br and Its Isotope Analogues. Journal of the Physical Society of Japan, 2001, 70, 3728-3738.	0.7	35
106	Commensurate magnetic structure in Îº-(BEDT-TTF)2X. Physica B: Condensed Matter, 2000, 284-288, 1589-1590.	1.3	14
107	Electronic specific heat at the boundary region of the metal-insulator transition in the two-dimensional electronic system ofÎºâˆ’(BEDTâˆ’TTF)2Cu[N(CN)2]Br. Physical Review B, 2000, 61, R16295-R16298.	1.1	47
108	Charge ordering in a quasi-two-dimensional organic conductor. Physical Review B, 2000, 62, R7679-R7682.	1.1	165

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109	Superconductorâ^'Insulator Transition Controlled by Partial Deuteration in BEDT-TTF Salt. Journal of the American Chemical Society, 1998, 120, 10984-10985.	6.6	49
110	Phase diagram of vortices in the quasi-two-dimensional organic superconductorÎ±â^'(BEDTâ^'TTF)2NH4Hg(SCN)4:â€ƒA system of pancake vortices with out-of-plane coupling dominated by the electromagnetic energy. Physical Review B, 1998, 57, 3623-3634.	1.1	10
111	Wigner Crystal Type of Charge Ordering in an Organic Conductor with a Quarter-Filled Band:(DIâ^'DCNQI)2Ag. Physical Review Letters, 1998, 80, 4737-4740.	2.9	160
112	High Pressure Structures of Organic Low Dimensional Conductor DCNQI Compounds.. Review of High Pressure Science and Technology/Koatsuryoku No Kagaku To Gijutsu, 1998, 7, 404-406.	0.1	6
113	Recent progress in NMR studies on organic conductors. , 1997, 104, 235-249.		380
114	Electron correlation, metal-insulator transition and superconductivity in quasi-2D organic systems, (ET)2X. Physica C: Superconductivity and Its Applications, 1997, 282-287, 299-302.	0.6	264
115	Electronic structure of insulating salts of theÎºâ^'(BEDTâ^'TTF)2Xfamily studied by low-temperature specific-heat measurements. Physical Review B, 1996, 53, R8875-R8878.	1.1	41
116	Antiferromagnetic Ordering and Spin Structure in the Organic Conductor,Îº-(BEDT-TTF)2Cu[N(CN)2]Cl. Physical Review Letters, 1995, 75, 1174-1177.	2.9	260
117	Electron correlation in theÎº-phase family of BEDT-TTF compounds studied byC13NMR, where BEDT-TTF is bis(ethylenedithio)tetrathiafulvalene. Physical Review B, 1995, 52, 15522-15533.	1.1	124
118	13C NMR Study of Layered Organic Superconductors Based on BEDT-TTF Molecules. Physical Review Letters, 1995, 74, 3455-3458.	2.9	170