

Kazuya Miyagawa

List of Publications by Year in descending order

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81
papers

4,552
citations

186265

28
h-index

95266

68
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82
all docs

82
docs citations

82
times ranked

2811
citing authors

#	ARTICLE	IF	CITATIONS
19	Variation in the nature of the neutral-ionic transition in DM ²⁺ Tf ⁻ QCl ₄ under pressure probed by NQR and NMR. <i>Physical Review B</i> , 2019, 99, .	3.2	3
20	Strange metal from a frustration-driven charge order instability. <i>Nature Materials</i> , 2019, 18, 229-233.	27.5	10
21	Charge Order and Poor Glass-forming Ability of an Anisotropic Triangular-lattice System, $\hat{\Gamma}_2$ -(BEDT-TTF) ₂ TiCo(SCN) ₄ , Investigated by NMR. <i>Journal of the Physical Society of Japan</i> , 2019, 88, 034705.	1.6	1
22	Topological charge transport by mobile dielectric-ferroelectric domain walls. <i>Science Advances</i> , 2019, 5, eaax8720.	10.3	11
23	Spin-lattice decoupling in a triangular-lattice quantum spin liquid. <i>Nature Communications</i> , 2018, 9, 1509.	12.8	17
24	Quasi-continuous transition from a Fermi liquid to a spin liquid in $\hat{\Gamma}_2$ -(ET) ₂ Cu ₂ (CN) ₃ . <i>Nature Communications</i> , 2018, 9, 307.	12.8	36
25	Evidence for solitonic spin excitations from a charge-lattice-coupled ferroelectric order. <i>Science Advances</i> , 2018, 4, eaau7725.	10.3	11
26	(BEDT-TTF) ₂ Cu ₂ (CN) ₃ Spin Liquid: Beyond the Average Structure. <i>Crystals</i> , 2018, 8, 158.	2.2	14
27	Mott Transition Coupled to Molecular Motion in a Quasi-Two-Dimensional Organic Material. <i>Journal of the Physical Society of Japan</i> , 2018, 87, 094707.	1.6	1
28	Revisited phase diagram on charge instability and lattice symmetry breaking in the organic ferroelectric $\hat{\Gamma}_2$ -Tf ⁻ QCl ₄ . <i>Physical Review B</i> , 2018, 98, .	3.2	19
29	Single-component molecular material hosting antiferromagnetic and spin-gapped Mott subsystems. <i>Physical Review B</i> , 2017, 95, .	3.2	6
30	Electronic crystal growth. <i>Science</i> , 2017, 357, 1378-1381.	12.6	28
31	Spin-gapped Mott insulator with the dimeric arrangement of twisted molecules Zn(tm ₂ dt) $\hat{\Gamma}_2$ -(BEDT-TTF) ₂ . <i>Physical Review B</i> , 2017, 95, .	3.2	5
32	Mott transition by an impulsive dielectric breakdown. <i>Nature Materials</i> , 2017, 16, 1100-1105.	27.5	49
33	Anomalous spin correlations and excitonic instability of interacting 2D Weyl fermions. <i>Science</i> , 2017, 358, 1403-1406.	12.6	62
34	Resonant inelastic x-ray scattering probes the electron-phonon coupling in the spin liquid $\hat{\Gamma}_2$ -(BEDT-TTF) ₂ Cu ₂ (CN) ₃ . <i>Physical Review B</i> , 2017, 96, .	3.2	10
35	Anomalous metallic behaviour in the doped spin liquid candidate $\hat{\Gamma}_2$ -(ET) ₄ Hg ₂ .89Br ₈ . <i>Nature Communications</i> , 2017, 8, 756.	12.8	17
36	Antiferromagnetic Mott insulating state in the single-component molecular material Pd(tm ₂ dt) $\hat{\Gamma}_2$ -(BEDT-TTF) ₂ . <i>Physical Review B</i> , 2017, 96, .	3.2	6

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55	Charge-cluster glass in an organic conductor. Nature Physics, 2013, 9, 419-422.	16.7	81
56	NMR evidence for antiferromagnetic transition in the single-component molecular system [Cu(tmdt) \hat{I}_2]. Physical Review B, 2012, 85, 104411.	3.2	9
57	\hat{I}_2 -(BEDT-TTF) \hat{I}_2 . Physical Review B, 2012, 85, 104411.	3.2	8
58	Charge-Lattice-Coupled Quantum Fluctuations in DM-TTFâ€“2,6-QBr ₂ Cl ₂ . Journal of the Physical Society of Japan, 2010, 79, 043709.	1.6	4
59	¹³ C NMR Study on Zero-Gap State in the Organic Conductor \hat{I}_2 -(BEDT-TTF) ₂ I ₃ under Pressure. Journal of the Physical Society of Japan, 2010, 79, 063703.	1.6	15
60	Pressure-induced superconductivity and Mott transition in spin-liquid \hat{I}_2 -(BEDT-TTF) ₂ I ₃ . Physical Review B, 2010, 81, 100407.		

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73	NMR Studies on Two-Dimensional Molecular Conductors and Superconductors: A Mott Transition in β -(BEDT-TTF) ₂ X. <i>Chemical Reviews</i> , 2004, 104, 5635-5654.	47.7	132
74	Spin Liquid State in an Organic Mott Insulator with a Triangular Lattice. <i>Physical Review Letters</i> , 2003, 91, 107001.	7.8	1,011
75	Superconductivity at 14.2 K in Layered Organics under Extreme Pressure. <i>Journal of the Physical Society of Japan</i> , 2003, 72, 468-471.	1.6	176
76	Band-Selective NMR of a π -d Hybridized Electronic System. <i>Molecular Crystals and Liquid Crystals</i> , 2002, 379, 95-100.	0.9	1
77	Proximity of Pseudogapped Superconductor and Commensurate Antiferromagnet in a Quasi-Two-Dimensional Organic System. <i>Physical Review Letters</i> , 2002, 89, 017003.	7.8	89
78	Charge ordering in a quasi-two-dimensional organic conductor. <i>Physical Review B</i> , 2000, 62, R7679-R7682.	3.2	165
79	Antiferromagnetic Ordering and Spin Structure in the Organic Conductor, β -(BEDT-TTF) ₂ Cu[N(CN) ₂]Cl. <i>Physical Review Letters</i> , 1995, 75, 1174-1177.	7.8	260
80	Electron correlation in the β -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.	3.2	124
81	¹³ C NMR Study of Layered Organic Superconductors Based on BEDT-TTF Molecules. <i>Physical Review Letters</i> , 1995, 74, 3455-3458.	7.8	170