Takuya Kobayashi

List of Publications by Year
in descending order

19 papers	152 citations	1307594 7 h-index	1199594 12 g-index
19 all docs	19 docs citations	19 times ranked	88 citing authors

#	Article	IF	Citations
1	Thermodynamic Evidence of d-Wave Superconductivity of the Organic Superconductor Î»-(BETS)₂GaCl₄. Journal of the Physical Society of Japan, 2016, 85, 043705.	1.6	26
2	Evidence of antiferromagnetic fluctuation in the unconventional superconductor <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mi>Î»</mml:mi></mml:math> -(BETS) <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>GaCl</mml:mi><mml:mn>4</mml:mn></mml:msub></mml:mrow></mml by <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mmultiscripts><mml:mi mathvariant="normal">C</mml:mi><mml:mprescripts. Physical Review B, 2017, 96, .	3.2	22
3	Gap Symmetry of the Organic Superconductor Î»-(BETS)₂GaCl₄ Determined by Magnetic-Field-Angle-Resolved Heat Capacity. Journal of the Physical Society of Japan, 2019, 88, 023702.	1.6	14
4	Antiferromagnetic Ordering in Organic Conductor Î»-(BEDT-TTF)₂GaCl₄ Probed by ¹³C NMR. Journal of the Physical Society of Japan, 2018, 87, 013707.	1.6	11
5	Charge disproportionation in the spin-liquid candidate <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mi>Î</mml:mi><mml:mo>â^'</mml:mo><mml:mrow><mml:msub><mml:mn at 6ÂK revealed by <mml:math xmlns:mml=". Physical Review Research, 2020, 2, .	3.6	11
6	Microscopic observation of superconducting fluctuations inÎº-(BEDT-TTF)2Cu[N(CN)2]Br byC13NMR spectroscopy. Physical Review B, 2014, 89, .	3.2	10
7	<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mi>Î»</mml:mi></mml:math> -(BETS) <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>GaCl</mml:mi><mml:mn>4</mml:mn></mml:msub></mml:mrow></mml probed by <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mmultiscripts><mml:mi mathvariant="norm	3.2	9
8	Spin structure at zero magnetic field and field-induced spin reorientation transitions in a layered organic canted antiferromagnet bordering a superconducting phase. Physical Review B, 2020, 102, .	3.2	8
9	Thermodynamic evidence for the formation of a Fulde-Ferrell-Larkin-Ovchinnikov phase in the organic superconductor <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mi>Î»</mml:mi><mml:mo>â^'</mml:mo><mml:mrow><mml:msub><mml	3.2	7
10	Inhomogeneous electronic state of organic conductor <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mi>Îº</mml:mi><mml:mtext>â^'</mml:mtext><mml:msub><mml:mrow><m mathvariant="normal">Cu</mml:mi><mml:mo>[</mml:mo><mml:mi mathvariant="normal">N</mml:mi><mml:mo>(</mml:mo><mml:mi) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 372 Td (mathvariant="norma	3.2	6
11	Physical Review B, 2019, 100, . Spin-density wave in the vicinity of superconducting state in Î»â^'(BETS)2GaBrxCl4â^'x probed by C13 NMR spectroscopy. Physical Review Research, 2020, 2, .	3.6	6
12	Modification of local electronic state by BEDT-STF doping to<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:mrow><mml:mi>Cu</mml:mi><mml:mo>[</mml:mo><mml:mi mathvariant="normal">N</mml:mi><mml:mo>(</mml:mo><mml:mi>CN</mml:mi><mml:mo>)</mml:mo></mml:mrow><mml:mn>2</m Physical Review B, 2016, 93, .	3.2	5
13	Selective observation of spin and charge dynamics in an organic superconductor Î»â^'(BETS)2GaCl4 using Ga69,71 NMR measurements. Physical Review B, 2020, 102, .	3.2	4
14	Interacting electron spins in <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mi>Îº</mml:mi><mml:mtext>â^'</mml:mtext><mml:msub><mml:mrow><m mathvariant="normal">N</mml:mi><mml:msub><mml:mrow><mml:mo>(</mml:mo><mml:mi>CN</mml:mi><mml:mo>)</mml:mo></m Physical Review B, 2020, 102, .	3.2	4
15	Charge imbalance in <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mi>Î»</mml:mi><mml:mo>â^'</mml:mo><mml:mrow><mml:msub><mml and their interplay with superconductivity. Physical Review B, 2021, 104, .	3.2	3
16	Magnetic state in the quasi-two-dimensional organic conductor <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:mi>Î»</mml:mi><mml:mtext>â^'</mml:mtext><mml:msub><m and the path of <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:mi>Ï€</mml:mi><mml:mtext>â^'</mml:mtext><mml:mi>d</m Physical Review B, 2022, 105, .	3.2	3
17	Antiferromagnetic ordering of organic Mott insulator <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mi>Î»</mml:mi><mml:mtext>â^'</mml:mtext><mml:msub><mml:mrow mathvariant="normal">GaCl</mml:mi><mml:mn>4</mml:mn></mml:msub></mml:math>. Physical Review B, 2022, 106, .	3.2	2
18	Relationship between electronic inhomogeneity and bandwidth in the organic conductor <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:mi>Îº</mml:mi><mml:mtext>â^'</mml:mtext><mml:msub><m mathvariant="normal">N</mml:mi><mml:mo>(</mml:mo><mml:mi>CN</mml:mi><mml:mo>)</mm. Physical Review B, 2022, 105, .	3.2	1

#	Article	IF	Citations
19	Enhancement of electron correlations and spin density wave fluctuations of the organic superconductor <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:mi>Î»</mml:mi><mml:mtext>â^’</mml:mtext><mml:msub><mml	3.2	0