

Takahiko Sasaki

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.

407
papers

8,323
citations

48
h-index

78
g-index

450
ext. papers

9,002
ext. citations

3.4
avg, IF

5.55
L-index

#	Paper	IF	Citations
407	Mechanisms of the antiferro-electric ordering in superprotonic conductors Cs ₃ H(SeO ₄) ₂ and Cs ₃ D(SeO ₄) ₂ . <i>Journal of Chemical Physics</i> , 2022 , 156, 204504	3.9	
406	Strongly correlated superconductivity in a copper-based metal-organic framework with a perfect kagome lattice. <i>Science Advances</i> , 2021 , 7,	14.3	11
405	Anion Arrangement Effects on Electronic States of Γ -type BEDT-TTF Compounds. <i>Journal of the Physical Society of Japan</i> , 2021 , 90, 054703	1.5	
404	Elucidation of local structure deformation in Γ -BEDT-TTF) ₂ Cu[N(CN) ₂]Br by x-ray fluorescence holography. <i>Physical Review B</i> , 2021 , 103,	3.3	2
403	Enhanced superconducting properties of double-chain based superconductor Pr ₂ Ba ₄ Cu ₇ O ₁₅ Γ synthesized by citrate pyrolysis technique. <i>Physica C: Superconductivity and Its Applications</i> , 2021 , 585, 1353869	1.3	1
402	Charge Ordering and π Interaction in Electron-Doped 3/4-Filling Molecular System Γ -(BEDT-TTF) ₂ Rb ₂ xCo(SCN) ₄ (x = 0.6). <i>Journal of the Physical Society of Japan</i> , 2021 , 90, 074701	1.5	0
401	Dihedral-Angle Dependence of Intermolecular Transfer Integrals in BEDT-BDT-Based Radical-Cation Salts with Γ -type Molecular Arrangements. <i>Crystals</i> , 2021 , 11, 868	2.3	0
400	Nonmonotonic Pressure Dependence of the Lattice Parameter a in the Quasi-one-dimensional Superconductor Pr ₂ Ba ₄ Cu ₇ O ₁₅ Γ . <i>Journal of the Physical Society of Japan</i> , 2021 , 90, 015001	1.5	2
399	Formation of nanoscale polarized clusters as precursors of electronic ferroelectricity probed by conductance noise spectroscopy. <i>Physical Review B</i> , 2020 , 102,	3.3	1
398	Signature of band inversion in the perovskite thin-film alloys BaSn _{1-x} PbxO ₃ . <i>Physical Review B</i> , 2020 , 101,	3.3	4
397	Quantum Disorder of an Antiferromagnetic Order by Quenched Randomness in an Organic Mott Insulator. <i>Physical Review Letters</i> , 2020 , 124, 117204	7.4	3
396	X-ray fluorescence holography for soft matter. <i>Japanese Journal of Applied Physics</i> , 2020 , 59, 010505	1.4	4
395	Electronic Griffiths Phase in Disordered Mott-Transition Systems. <i>Physical Review Letters</i> , 2020 , 124, 046404	7.4	7
394	Anisotropic magnetic excitations from single-chirality antiferromagnetic state in Ca-kapellasite. <i>Physical Review Research</i> , 2020 , 2,	3.9	4
393	Large Thermal Conductivity due to Spins in the Two-Dimensional Spin System LaSrFeO ₄ . <i>Journal of the Physical Society of Japan</i> , 2020 , 89, 114603	1.5	
392	Magnetic-Field Dependence of Novel Gap Behavior Related to the Quantum-Size Effect. <i>Journal of the Physical Society of Japan</i> , 2020 , 89, 095002	1.5	1
391	Phonon-assisted proton tunneling in the hydrogen-bonded dimeric selenates of CsH(SeO). <i>Journal of Chemical Physics</i> , 2020 , 152, 154502	3.9	3

390	Two-dimensional radical dicationic Mott insulator based on an electron donor containing neither a tetrathiafulvalene nor tetrathiapentalene skeleton. <i>CrystEngComm</i> , 2020 , 22, 5949-5953	3.3	1
389	Petahertz non-linear current in a centrosymmetric organic superconductor. <i>Nature Communications</i> , 2020 , 11, 4138	17.4	4
388	Disorder unveils Mott quantum criticality behind a first-order transition in the quasi-two-dimensional organic conductor $\text{[ET]}_2\text{Cu}[\text{N}(\text{CN})_2]\text{Cl}$. <i>Physical Review B</i> , 2019 , 99,	3.3	5
387	Structural Alternation Correlated to the Conductivity Enhancement of PEDOT:PSS Films by Secondary Doping. <i>Journal of Physical Chemistry C</i> , 2019 , 123, 13467-13471	3.8	7
386	Low-Dose Carbon Monoxide Inhibits Rhinovirus Replication in Human Alveolar and Airway Epithelial Cells. <i>Tohoku Journal of Experimental Medicine</i> , 2019 , 247, 215-222	2.4	3
385	Lattice Dynamics Coupled to Charge and Spin Degrees of Freedom in the Molecular Dimer-Mott Insulator $\text{[BEDT-TTF]}_2\text{Cu}[\text{N}(\text{CN})_2]\text{Cl}$. <i>Physical Review Letters</i> , 2019 , 123, 027601	7.4	6
384	Critical Temperature in Bulk Ultrafine-Grained Superconductors of Nb, V, and Ta Processed by High-Pressure Torsion. <i>Materials Transactions</i> , 2019 , 60, 1367-1376	1.3	9
383	Low-Temperature Magnetism of Gold Nano Particles Contained in Electrochemical Sugar Recognition System. <i>IEEE Transactions on Magnetics</i> , 2019 , 55, 1-4	2	
382	Mesoscopic 2D Charge Transport in Commonplace PEDOT:PSS Films. <i>Advanced Electronic Materials</i> , 2018 , 4, 1700490	6.4	24
381	Pseudogap Behavior of the Nuclear Spin Lattice Relaxation Rate in FeSe Probed by ^{77}Se -NMR. <i>Journal of the Physical Society of Japan</i> , 2018 , 87, 013704	1.5	16
380	Effects of Disorder on the Pressure-Induced Mott Transition in $\text{[BEDT-TTF]}_2\text{Cu}[\text{N}(\text{CN})_2]\text{Cl}$. <i>Crystals</i> , 2018 , 8, 38	2.3	6
379	Direct observation of magnetic flux and interstitial vortices in perforated mesoscopic squares of superconducting films. <i>Journal of Physics: Conference Series</i> , 2018 , 969, 012074	0.3	1
378	^{133}Cs -NMR study on aligned powder of competing spin chain compound $\text{Cs}_2\text{Cu}_2\text{Mo}_3\text{O}_{12}$. <i>Journal of Physics: Conference Series</i> , 2018 , 969, 012125	0.3	2
377	Thermal Conductivity due to Spins in the Frustrated Two-Leg Spin Ladder System BiCu_2PO_6 . <i>Journal of the Physical Society of Japan</i> , 2018 , 87, 074702	1.5	1
376	Nonlinear charge oscillation driven by a single-cycle light field in an organic superconductor. <i>Nature Photonics</i> , 2018 , 12, 474-478	33.9	16
375	Electric-field-induced intradimer charge disproportionation in the dimer-Mott insulator $\text{[BEDT-TTF]}_2\text{Cl}_2$. <i>Physical Review B</i> , 2017 , 95,	3.3	5
374	Crystallization and vitrification of electrons in a glass-forming charge liquid. <i>Science</i> , 2017 , 357, 1381-1385	95.3	24
373	Polarization selectivity of charge localization induced by a 7-fs nearly single-cycle light field in an organic metal. <i>Physical Review B</i> , 2017 , 95,	3.3	9

372	NMR study on the competing spin chain $\text{Rb}_2\text{Cu}_2\text{Mo}_3\text{O}_{12}$. <i>Journal of Physics: Conference Series</i> , 2017 , 828, 012016	0.3	6
371	NMR and ESR study on competing Heisenberg chain $\text{Cs}_2\text{Cu}_2\text{Mo}_3\text{O}_{12}$. <i>Journal of Physics: Conference Series</i> , 2017 , 828, 012017	0.3	2
370	Dimer-Mott and charge-ordered insulating states in the quasi-one-dimensional organic conductors $\text{BPDT-TTF}_2\text{ICl}_2$. <i>Physical Review B</i> , 2017 , 96,	3.3	3
369	Undoped high- T_c superconductivity in $\text{TlLa}_{1.8}\text{Eu}_{0.2}\text{CuO}_4$ revealed by $^{63,65}\text{Cu}$ and ^{139}La NMR: Bulk superconductivity and antiferromagnetic fluctuations. <i>Physica C: Superconductivity and Its Applications</i> , 2017 , 541, 30-35	1.3	7
368	Fine-tuning the Mott metal-insulator transition and critical charge carrier dynamics in molecular conductors. <i>Philosophical Magazine</i> , 2017 , 97, 3477-3494	1.6	6
367	Magneto-thermopower in the Weak Ferromagnetic Oxide $\text{CaRu}_{0.8}\text{Sc}_{0.2}\text{O}_3$: An Experimental Test for the Kelvin Formula in a Magnetic Material. <i>Journal of the Physical Society of Japan</i> , 2017 , 86, 104707	1.5	3
366	Rb-NMR study of the quasi-one-dimensional competing spin-chain compound $\text{Rb}_2\text{Cu}_2\text{Mo}_3\text{O}_{12}$. <i>Physical Review B</i> , 2017 , 96,	3.3	8
365	Quantum-disordered state of magnetic and electric dipoles in an organic Mott system. <i>Nature Communications</i> , 2017 , 8, 1821	17.4	28
364	Spin dynamics in the high-field phases of volborthite. <i>Physical Review B</i> , 2017 , 96,	3.3	13
363	Gapless magnetic excitations in the kagome antiferromagnet Ca-kapellasite probed by ^{135}Cl NMR spectroscopy. <i>Physical Review B</i> , 2017 , 96,	3.3	5
362	First-principles investigation of local structure deformation induced by x-ray irradiation in $(\text{BEDT-TTF})_2\text{Cu}[\text{N}(\text{CN})_2]\text{Br}$. <i>Physical Review B</i> , 2017 , 95,	3.3	6
361	Layer thickness effects and microstructure of CPP-GMR spin-valves with $\text{Ag}/\text{InZnO}/\text{Zn}$ conductive oxide-based spacer layers 2017 ,		2
360	Ultrafast response of plasmlike reflectivity edge in $(\text{TMTTF})_2\text{AsF}_6$ driven by a 7-fs 1.5-cycle strong-light field. <i>Physical Review B</i> , 2016 , 93,	3.3	9
359	NMR study on the quasi one-dimensional quantum spin magnet with ladder structure. <i>Hyperfine Interactions</i> , 2016 , 237, 1	0.8	1
358	Thermodynamic properties of superconducting and non-superconducting $\text{Pr}_2\text{Ba}_4\text{Cu}_7\text{O}$. <i>Physica C: Superconductivity and Its Applications</i> , 2016 , 521-522, 13-17	1.3	1
357	Thermal Conductivity and Spin State of the Spin Diamond-Chain System Azurite $\text{Cu}_3(\text{CO}_3)_2(\text{OH})_2$. <i>Journal of the Physical Society of Japan</i> , 2016 , 85, 034715	1.5	2
356	Role of anion ordering and effective pressure in the field-induced spin-density-wave phase of $(\text{TMTSF})_2\text{X}$. <i>Europhysics Letters</i> , 2016 , 115, 37002	1.6	
355	Effect of Pressure on Magneto-Transport Properties in the Superconducting and Normal Phases of the Metallic Double Chain Compound $\text{Pr}_2\text{Ba}_4\text{Cu}_7\text{O}_{15}$ <i>Journal of the Physical Society of Japan</i> , 2016 , 85, 124704	1.5	4

354	Breakdown of Hooke's law of elasticity at the Mott critical endpoint in an organic conductor. <i>Science Advances</i> , 2016 , 2, e1601646	14.3	28
353	Quantum Spin Liquid Emerging from Antiferromagnetic Order by Introducing Disorder. <i>Physical Review Letters</i> , 2015 , 115, 077001	7.4	44
352	NMR Study on the Ru-dimer System with Valence Fluctuation. <i>Physics Procedia</i> , 2015 , 75, 613-617		
351	Uniaxial Chemical Pressure and Disorder Effects on Magnetic and Dielectric Properties of $\text{[(BEDT-TTF)}_2\text{(Cl)}_2\text{]}_x\text{(AuCl)}_x$. <i>Journal of the Physical Society of Japan</i> , 2015 , 84, 033709	1.5	
350	Study of Thermal Conductivity due to Spins in One-Dimensional Spin Systems AFeX_3 (A=Rb, Cs; X=Cl, Br). <i>Materials Science Forum</i> , 2015 , 827, 243-247	0.4	
349	Emergence of charge degrees of freedom under high pressure in the organic dimer-Mott insulator $\text{[(BEDT-TTF)}_2\text{Cl}_2$. <i>Physical Review B</i> , 2015 , 92,	3.3	19
348	X-ray Irradiation Effect on the Dielectric Charge Response in the Dimer-Mott Insulator $\text{[(BEDT-TTF)}_2\text{Cu}_2\text{(CN)}_3$. <i>Journal of the Physical Society of Japan</i> , 2015 , 84, 074709	1.5	5
347	Possible quantum Hall effect in a magnetic-field-induced phase transition in the quasi-one-dimensional CDW organic conductor, HMTSF-CNQ . <i>Physica B: Condensed Matter</i> , 2015 , 460, 241-244	2.8	3
346	Critical slowing down of the charge carrier dynamics at the Mott metal-insulator transition. <i>Physical Review Letters</i> , 2015 , 114, 216403	7.4	12
345	Cu-NMR Study on the Quasi one Dimensional Antiferromagnet $\text{Cu}_3\text{Mo}_2\text{O}_9$. <i>Physics Procedia</i> , 2015 , 75, 641-646		1
344	Magnetic State of the Geometrically Frustrated Quasi-One-Dimensional Spin System $\text{Cu}_3\text{Mo}_2\text{O}_9$ Studied by Thermal Conductivity. <i>Journal of the Physical Society of Japan</i> , 2015 , 84, 124601	1.5	1
343	Spontaneous Formation of Correlated Charge Coherence Induced by 1.5-Cycle Pulse in 1-D Organic Metal $\text{(TMTTF)}_2\text{AsF}_6$. <i>Springer Proceedings in Physics</i> , 2015 , 244-247	0.2	
342	10 fs Dynamics of Photoinduced Magnetic Transition in Double-Layered Charge Ordering in LuFe_2O_4 Under Interlayer Excitation. <i>Springer Proceedings in Physics</i> , 2015 , 252-256	0.2	
341	High-energy spin and charge excitations in electron-doped copper oxide superconductors. <i>Nature Communications</i> , 2014 , 5, 3714	17.4	80
340	Thermal Conductivity and Annealing Effects in the Iron-Based Superconductor $\text{FeSe}_{0.3}\text{Te}_{0.7}$. <i>Journal of the Physical Society of Japan</i> , 2014 , 83, 044704	1.5	8
339	Observation of the Thermal Conductivity due to Spins in the One-Dimensional Antiferromagnetic Ising-Like Spin System ACoX_3 (A = Rb, Cs; X = Cl, Br). <i>Journal of the Physical Society of Japan</i> , 2014 , 83, 064603	1.5	7
338	Magnetic Raman Scattering Study of Spin Frustrated Systems, $\text{[(BEDT-TTF)}_2\text{X}$. <i>Journal of the Physical Society of Japan</i> , 2014 , 83, 074708	1.5	13
337	High strength and superconductivity in nanostructured niobium-titanium alloy by high-pressure torsion and annealing: Significance of elemental decomposition and supersaturation. <i>Acta Materialia</i> , 2014 , 80, 149-158	8.4	22

336	Dielectric Response of Multiorbital Molecular Compounds (TTM-TTP)X (X = AuI2 and I3). <i>Journal of the Physical Society of Japan</i> , 2014 , 83, 094709	1.5	1
335	Thermal Conductivity in the Triangular-Lattice Antiferromagnet Ba ₃ CoSb ₂ O ₉ . <i>Journal of Physics: Conference Series</i> , 2014 , 568, 042014	0.3	6
334	NMR study on kagome-lattice antiferromagnet Cs ₂ Mn ₃ LiF ₁₂ . <i>Journal of Physics: Conference Series</i> , 2014 , 568, 042008	0.3	
333	Thermal Conductivity in the Frustrated Two-Leg Spin- Ladder System BiCu ₂ PO ₆ . <i>Journal of Physics: Conference Series</i> , 2014 , 568, 042012	0.3	3
332	Thermal Conductivity of the S= 1/2 Quasi-One-Dimensional Ferromagnetic Spin System CsCuCl ₃ . <i>Journal of Physics: Conference Series</i> , 2014 , 568, 042013	0.3	1
331	Carrier transport of conducting polymer PEDOT:PSS investigated by temperature dependence of THz and IR spectra 2014 ,		3
330	Mott metal-insulator transition induced by utilizing a glasslike structural ordering in low-dimensional molecular conductors. <i>Physical Review B</i> , 2014 , 90,	3.3	17
329	Interface-dependent magnetotransport properties for thin Pt films on ferrimagnetic Y ₃ Fe ₅ O ₁₂ . <i>Applied Physics Letters</i> , 2014 , 104, 242406	3.4	23
328	Magnetic-field-induced phase transitions in the quasi-one-dimensional organic conductor HMTSF-TCNQ. <i>Low Temperature Physics</i> , 2014 , 40, 371-376	0.7	2
327	Collective excitation of a short-range charge ordering in Γ (BEDT-TTF) ₂ CsZn(SCN) ₄ . <i>Physical Review B</i> , 2014 , 89,	3.3	8
326	Magnetic-field-induced spin flop transition and magnetoelectric effect in Ca ₂ Fe _{2-δ} Al _x O ₅ . <i>Physical Review B</i> , 2014 , 89,	3.3	14
325	Optical freezing of charge motion in an organic conductor. <i>Nature Communications</i> , 2014 , 5, 5528	17.4	47
324	Magnetic-Field-Induced Phase Transition and a Possible Quantum Hall Effect in the Quasi-One-Dimensional CDW Organic Conductor HMTSF-TCNQ. <i>Journal of Modern Physics</i> , 2014 , 05, 673-679	0.5	2
323	Narrowing of phonon spectrum induced by ultrafast charge fluctuations in an organic dimer Mott insulator. <i>Physical Review B</i> , 2013 , 88,	3.3	8
322	Field-Induced CDW Phases in a Quasi-One-Dimensional Organic Conductor, HMTSF-TCNQ Under Pressure of 1 GPa in Magnetic Field of 31 T. <i>Journal of Low Temperature Physics</i> , 2013 , 170, 377-382	1.3	3
321	Superconducting properties in bulk nanostructured niobium prepared by high-pressure torsion. <i>Physica C: Superconductivity and Its Applications</i> , 2013 , 493, 132-135	1.3	21
320	Collective excitation of an electric dipole on a molecular dimer in an organic dimer-Mott insulator. <i>Physical Review Letters</i> , 2013 , 110, 106401	7.4	51
319	Relaxor ferroelectricity induced by electron correlations in a molecular dimer Mott insulator. <i>Physical Review B</i> , 2013 , 87,	3.3	42

318	Coherent Electron Dynamics in 10 fs Time Scale in Organic Charge Ordered and Dimer-Mott Insulators. <i>EPJ Web of Conferences</i> , 2013 , 41, 03019	0.3	
317	Electrical Conductivity of PEDOT:PSS Film Prepared through Organic Compound Addition. <i>Transactions of the Materials Research Society of Japan</i> , 2013 , 38, 363-367	0.2	1
316	SPATIAL VARIATION OF TUNNELING SPECTRA IN (111)-ORIENTED FILMS OF BORON-DOPED DIAMOND PROBED BY STM/STS. <i>International Journal of Modern Physics B</i> , 2013 , 27, 1362014	1.1	4
315	Optical conductivity measurement of a dimer Mott-insulator to charge-order phase transition in a two-dimensional quarter-filled organic salt compound. <i>Physical Review Letters</i> , 2013 , 111, 217801	7.4	11
314	Effect of Magnetic Field on the Superconducting Phase in the Electron-Doped Metallic Double-Chain Compound Pr ₂ Ba ₄ Cu ₇ O ₁₅ . <i>Journal of the Physical Society of Japan</i> , 2013 , 82, 074706	1.5	5
313	Evolution of the Electronic State through the Reduction Annealing in Electron-Doped Pr _{1.3-x} La _{0.7} Ce _x CuO ₄ (x=0.10) Single Crystals: Antiferromagnetism, Kondo Effect, and Superconductivity. <i>Journal of the Physical Society of Japan</i> , 2013 , 82, 063713	1.5	59
312	Magnetic control of electric polarization in the noncentrosymmetric compound (Cu,Ni)B ₂ O ₄ . <i>Physical Review B</i> , 2013 , 87,	3.3	23
311	Photoinduced Coherent Spin Fluctuation in Primary Dynamics of Insulator to Metal Transition in Perovskite Cobalt Oxide. <i>EPJ Web of Conferences</i> , 2013 , 41, 03013	0.3	2
310	Photoinduced Growth of Ferroelectric Charge Order in Organic Dimer-Mott insulator. <i>EPJ Web of Conferences</i> , 2013 , 41, 03020	0.3	
309	Field-induced CDW in HMTSF-TCNQ. <i>Physica B: Condensed Matter</i> , 2012 , 407, 1927-1929	2.8	4
308	pH dependence of carrier transport in PEDOT:PSS films investigated by THz and IR-UV spectroscopy 2012 ,		1
307	Two-band superconductivity featuring different anisotropies in the ternary iron silicide Lu ₂ Fe ₃ Si ₅ . <i>Physical Review B</i> , 2012 , 85,	3.3	16
306	Microscopic Phase Separation in Triangular-Lattice Quantum Spin Magnet α -(BEDT-TTF) ₂ Cu ₂ (CN) ₃ Probed by Muon Spin Relaxation. <i>Journal of the Physical Society of Japan</i> , 2012 , 81, 063706	1.5	31
305	Spin and Charge Transport in the X-ray Irradiated Quasi-2D Layered Compound: α -(BEDT-TTF) ₂ Cu[N(CN) ₂]Cl. <i>Crystals</i> , 2012 , 2, 579-589	2.3	2
304	Influence of randomness on the Mott transition in α -(BEDT-TTF) ₂ X. <i>Physica Status Solidi (B): Basic Research</i> , 2012 , 249, 947-952	1.3	4
303	PEDOT Nanocrystal in Highly Conductive PEDOT:PSS Polymer Films. <i>Macromolecules</i> , 2012 , 45, 3859-3865	5.5	279
302	NMR study on field-induced charge anomaly in Cu ₃ Mo ₂ O ₉ . <i>Journal of Physics: Conference Series</i> , 2012 , 400, 032056	0.3	
301	¹¹ B-NMR study on Shastry-Sutherland system TbB ₄ . <i>Journal of Physics: Conference Series</i> , 2012 , 400, 032059	0.3	3

300	NMR study on field-induced charge anomaly in Cu ₃ Mo ₂ O ₉ . <i>Journal of Physics: Conference Series</i> , 2012 , 400, 032055	0.3	
299	Mott-Anderson Transition in Molecular Conductors: Influence of Randomness on Strongly Correlated Electrons in the $\mathbb{E}(\text{BEDT-TTF})_2\text{X}$ System. <i>Crystals</i> , 2012 , 2, 374-392	2.3	29
298	Inhomogeneity of Superconductivity and Stripe Correlations at $x \sim 0.21$ in La _{2-x} Sr _x CuO ₄ . <i>Journal of Physics: Conference Series</i> , 2012 , 400, 022074	0.3	1
297	Nanometer-thin layered hydroxide platelets of (Y _{0.95} Eu _{0.05}) ₂ (OH) ₅ NO ₃ ·xH ₂ O: exfoliation-free synthesis, self-assembly, and the derivation of dense oriented oxide films of high transparency and greatly enhanced luminescence. <i>Journal of Materials Chemistry</i> , 2011 , 21, 6903		66
296	Suppression of Superconductivity by Nonmagnetic Disorder in Organic Superconductor $\mathbb{E}(\text{BEDT-TTF})_2\text{Cu}(\text{NCS})_2$. <i>Journal of the Physical Society of Japan</i> , 2011 , 80, 104703	1.5	12
295	Safety of erlotinib treatment in outpatients with previously treated non-small-cell lung cancer in Japan. <i>International Journal of Clinical Oncology</i> , 2011 , 16, 560-7	4.2	4
294	Two pseudogaps with different energy scales at the antinode of the high-temperature Bi ₂ Sr ₂ CuO ₆ superconductor using angle-resolved photoemission spectroscopy. <i>Physical Review B</i> , 2011 , 83,	3.3	11
293	Anomalous dielectric response in the dimer Mott insulator $\mathbb{E}(\text{BEDT-TTF})_2\text{Cu}_2(\text{CN})_3$. <i>Physical Review B</i> , 2010 , 82,	3.3	142
292	Electron localization near the Mott transition in the organic superconductor $\mathbb{E}(\text{BEDT-TTF})_2\text{Cu}[\text{N}(\text{CN})_2]\text{Br}$. <i>Physical Review Letters</i> , 2010 , 104, 217003	7.4	36
291	Ten Layered Hexagonal Perovskite Sr ₅ Ru ₅ O ₁₅ ($x = 0.90$), a Weak Ferromagnet with a Giant Coercive Field $H_c \sim 12$ T. <i>Chemistry of Materials</i> , 2010 , 22, 5712-5717	9.6	10
290	Early-stage dynamics of light-matter interaction leading to the insulator-to-metal transition in a charge ordered organic crystal. <i>Physical Review Letters</i> , 2010 , 105, 246402	7.4	66
289	Transport properties of HMTSF-TCNQ up to 8 GPa and a novel hysteresis and quantum oscillatory behavior in magnetoresistance in magnetic field up to 31 Tesla. <i>Journal of Physics: Conference Series</i> , 2010 , 215, 012064	0.3	5
288	Field-Induced Successive Phase Transitions in the Charge Density Wave Organic Conductor HMTSF-TCNQ. <i>Journal of the Physical Society of Japan</i> , 2010 , 79, 103702	1.5	6
287	Magnetic Properties of X-ray Irradiated Organic Mott Insulator $\mathbb{E}(\text{BEDT-TTF})_2\text{Cu}[\text{N}(\text{CN})_2]\text{Cl}$. <i>Journal of the Physical Society of Japan</i> , 2010 , 79, 063706	1.5	11
286	X-ray irradiation effect on magnetic properties of Dimer Mott insulators: $\mathbb{E}(\text{BEDT-TTF})_2\text{Cu}[\text{N}(\text{CN})_2]\text{Cl}$ and $\mathbb{E}(\text{BEDT-TTF})_2\text{Cl}_2$. <i>Physica B: Condensed Matter</i> , 2010 , 405, S244-S246	2.8	11
285	Suppression of superconductivity by X-ray irradiation induced disorders in organic superconductor $\mathbb{E}(\text{BEDT-TTF})_2\text{Cu}[\text{N}(\text{CN})_2]\text{Br}$. <i>Physica B: Condensed Matter</i> , 2010 , 405, S279-S281	2.8	3
284	Xenon-plasma light ultrahigh-resolution ARPES study of low-energy single-particle excitation gap in (Bi,Pb) ₂ Sr ₂ CuO ₆ . <i>Physica C: Superconductivity and Its Applications</i> , 2010 , 470, S129-S131	1.3	
283	Successive bi-stable quantum phases in HMTSF-TCNQ induced by field-sweep. <i>Physica B: Condensed Matter</i> , 2010 , 405, S111-S112	2.8	4

282	C63/65u- and C35/37l-NMR studies of triplet localization in the quantum spin system NH ₄ CuCl ₃ . <i>Physical Review B</i> , 2009 , 79,	3.3	15
281	Possible phase transition deep inside the hidden order phase of ultraclean URu ₂ Si ₂ . <i>Physical Review Letters</i> , 2009 , 102, 156403	7.4	43
280	Magnetic anomalies of hydrous cobaltate compound Na _x (H ₃ O) _z CoO ₂ ·yH ₂ O detected by NMR and NQR measurements. <i>Physical Review B</i> , 2009 , 79,	3.3	2
279	Optical modulation of effective on-site coulomb energy for the Mott transition in an organic dimer insulator. <i>Physical Review Letters</i> , 2009 , 103, 066403	7.4	54
278	Spatial mapping of electronic states in κ (BEDT-TTF)X using infrared reflectivity. <i>Science and Technology of Advanced Materials</i> , 2009 , 10, 024306	7.1	10
277	Narrow Carrier Concentration Range of Superconductivity and Critical Point of Pseudogap Formation Temperature in Pb-Substituted Bi ₂ Sr ₂ CuO ₆ + δ . <i>Journal of the Physical Society of Japan</i> , 2009 , 78, 084722	1.5	10
276	Thermal-transport measurements in a quantum spin-liquid state of the frustrated triangular magnet κ (BEDT-TTF) ₂ Cu ₂ (CN) ₃ . <i>Nature Physics</i> , 2009 , 5, 44-47	16.2	244
275	Metallic pattern fabrication in organic Mott insulating crystal by local X-ray irradiation. <i>Solid State Communications</i> , 2009 , 149, 775-777	1.6	3
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14	Growth and Superconductivity of a New Ternary Intermetallic Compound, $\text{Ta}_5\text{Ga}_2\text{Sn}$. <i>Japanese Journal of Applied Physics</i> , 1989 , 28, 1519-1520	1.4	11
13	Semiconductivity in the double-zigzag-chain complex oxide $\text{RE}_2\text{Ba}_2\text{CuPtO}_8$ (RE identical to Y, Er, Ho). <i>Journal of Physics Condensed Matter</i> , 1989 , 1, 3721-3726	1.8	6

12	Low temperature specific heat of single crystal Bi ₂ Sr ₂ Ca ₁ Cu ₂ O _z . <i>Physica C: Superconductivity and Its Applications</i> , 1989 , 162-164, 504-505	1.3	7
11	Evidence of many-body renormalizations in some organic conductors. <i>Solid State Communications</i> , 1989 , 72, 859-862	1.6	59
10	Flux growth of a new ternary superconducting crystal Nb ₅ Sn ₂ Ga. <i>Journal of Crystal Growth</i> , 1989 , 96, 1-6	1.6	11
9	Critical Field Anisotropy in κ -Superconducting State of Organic Superconductor κ -(BEDT-TTF) ₂ I ₃ . <i>Journal of the Physical Society of Japan</i> , 1989 , 58, 3477-3480	1.5	4
8	Superconductivity of BEDT-TTF salts: (I) Effect, of pressure and alloying and (II) Shubnikov de Haas effect. <i>Synthetic Metals</i> , 1988 , 27, A263-A270	3.6	42
7	Transport properties of κ -(BEDT-TTF) ₂ Cu(NCS) ₂ ·HC ₂ , its anisotropy and their pressure dependence. <i>Synthetic Metals</i> , 1988 , 27, A341-A346	3.6	55
6	Magnetoresistance in κ -(BEDT-TTF) ₂ I ₃ and κ -(BEDT-TTF) ₂ Br ₂ : Shubnikov-de Haas Effect. <i>Journal of the Physical Society of Japan</i> , 1988 , 57, 1540-1543	1.5	38
5	Sintering and Characterization of Er ₂ Ba ₂ Cu _{1.1} Pt _{0.9} O ₈ Compacts. <i>Japanese Journal of Applied Physics</i> , 1988 , 27, L1926-L1928	1.4	3
4	Cyclotron Mass and Dingle Temperature of Conduction Electrons Moving in Layered Planes of Organic Superconductors: κ -(BEDT-TTF) ₂ Br ₂ , κ -(BEDT-TTF) ₂ I ₃ and κ -(BEDT-TTF) ₂ Cu(NCS) ₂ . <i>Journal of the Physical Society of Japan</i> , 1988 , 57, 2616-2619	1.5	59
3	Crystal growth of a new orthorhombic ErBa(Cu,Pt)O ₄ material: Crystal chemistry and characterization. <i>Journal of Crystal Growth</i> , 1987 , 85, 599-601	1.6	20
2	Functional Materials Synthesis and Physical Properties		1
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