

Nathanael A Fortune

List of Publications by Year in descending order

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50
papers

1,002
citations

687363

13
h-index

414414

32
g-index

54
all docs

54
docs citations

54
times ranked

882
citing authors

#	ARTICLE	IF	CITATIONS
1	Magnetic enhancement of superconductivity from electron spin domains. Nature, 2003, 425, 51-55.	27.8	393
2	Cascade of Magnetic-Field-Induced Quantum Phase Transitions in a Spin- $\frac{1}{2}$ Triangular-Lattice Antiferromagnet. Physical Review Letters, 2009, 102, 257201.	7.8	119
3	Temperature dependence of hall effect in $\hat{\Gamma}^2$ -(BEDT-TTF) $_2$ Cu(NCS) $_2$. Solid State Communications, 1990, 76, 377-381.	1.9	58
4	Calorimetric Measurements of Magnetic-Field-Induced Inhomogeneous Superconductivity Above the Paramagnetic Limit. Physical Review Letters, 2017, 118, 267001.	7.8	46
5	Specific-heat study of the anomalous quantum limit of (TMTSF) $_2$ ClO $_4$. Physical Review Letters, 1990, 64, 2054-2057.	7.8	44
6	Calorimetric observation of the metal-insulator phase transition in $\hat{\Gamma}^2$ -(BEDT-TTF) $_2$ I $_3$. Solid State Communications, 1991, 79, 265-269.	1.9	41
7	Structural and physical properties of the organic metal $\hat{\Gamma}^2$ -(P-(S,S)-DMEDT-TTF) $_2$ (AuBr $_2$) $_1$ (AuBr $_2$) $^{\sim}0.75$. Solid State Communications, 1995, 95, 211-215.	1.9	39
8	The effect of cerium doping and oxygen treatment of Nd $_2$ x Ce x CuO $_4$. Physica C: Superconductivity and Its Applications, 1991, 178, 437-444.	1.2	22
9	Systematic variation of transport and thermodynamic properties with degree of reduction in Nd $_{1.85}$ Ce $_{0.15}$ CuO $_4$ $^{\sim}\hat{\Gamma}$. Physical Review B, 1991, 43, 12930-12934.	3.2	21
10	Competition between superconductivity and a new 20 K phase in $\hat{\Gamma}^2$ -(BEDT-TTF) $_2$ I $_3$: Specific heat measurements. Physical Review Letters, 1992, 68, 2933-2936.	7.8	19
11	Conducting and superconducting salts based on BEDTTTF and on some unsymmetrical tetrachalcogenafulvalenes. Synthetic Metals, 1995, 70, 787-788.	3.9	18
12	Percolating cermet thin-film thermistors between 50 mK \sim 300 K and 0 \sim 20 T. Journal of Applied Physics, 1988, 64, 4760-4762.	2.5	15
13	Magnetic-field induced metal-insulator transition in InSb and Hg $_{0.79}$ Cd $_{0.21}$ Te at very low temperatures. Solid State Communications, 1986, 60, 817-820.	1.9	13
14	High magnetic field corrections to resistance thermometers for low temperature calorimetry. Review of Scientific Instruments, 2000, 71, 3825.	1.3	13
15	Calorimetric observation of a structural phase transition at elevated temperatures in single crystal C60. Physica C: Superconductivity and Its Applications, 1991, 185-189, 425-426.	1.2	11
16	Evolution of magnetic field induced ordering in the layered quantum Heisenberg triangular-lattice antiferromagnet Ba $_3$ CoSb $_2$ O $_9$. Physical Review B, 2021, 103, .	3.2	11
17	Computer-controlled, small sample ac calorimetry at low temperatures and in high magnetic fields. Review of Scientific Instruments, 1987, 58, 1743-1745.	1.3	10
18	Specific heat of pure and thoriated UBe $_{13}$ at low temperatures in high magnetic fields. Physical Review B, 1989, 40, 9358-9361.	3.2	10

#	ARTICLE	IF	CITATIONS
19	Physical dependence of the sensitivity and room-temperature stability of $AuxGe_{1-x}$ thin film resistive thermometers on annealing conditions. Review of Scientific Instruments, 1998, 69, 133-138.	1.3	8
20	Heat capacity cell for angular measurements in high magnetic fields. Physica B: Condensed Matter, 2003, 329-333, 1586-1587.	2.7	8
21	Magnetic-Field Induced Quantum Phase Transitions in Triangular-Lattice Antiferromagnets. Journal of Physics: Conference Series, 2011, 302, 012003.	0.4	8
22	Field-dependence of the specific heat and magnetothermal effect for $\hat{\Gamma}_2$ -(BEDT-TTF) $2KHg(SCN)_4$ in the density wave and high field ground states. Synthetic Metals, 1999, 103, 2078-2079.	3.9	7
23	Magnetic-field-induced Heisenberg to XY crossover in a quasi-2D quantum antiferromagnet. Journal of Physics: Conference Series, 2014, 568, 042004.	0.4	7
24	Hall effect, magnetoresistance, and critical fields of UBe_{13} thin films. Solid State Communications, 1989, 71, 773-777.	1.9	6
25	Magnetic enhancement of superconductivity. Nature, 2004, 427, 802-802.	27.8	6
26	Top-loading small-sample calorimeters for measurements as a function of magnetic field angle. Journal of Physics: Conference Series, 2014, 568, 032008.	0.4	5
27	Reduction of the Electronic Density of States of $CePb_3$ at High Magnetic Fields and Low Temperatures. Japanese Journal of Applied Physics, 1987, 26, 541.	1.5	5
28	Activated carriers near the fermi level in epitaxial $YBa_2Cu_3O_{7-\delta}$ films. Physica B: Condensed Matter, 1991, 169, 633-634.	2.7	4
29	Fermi surface dependence of the hall coefficient in quasi-2D molecular conductors. Synthetic Metals, 1995, 70, 1001-1004.	3.9	4
30	Electronic states and fermi surface in (BEDT-TTF) $2X$: Hall effect and magnetoresistance. Synthetic Metals, 1991, 42, 2163-2166.	3.9	3
31	Variation of carrier concentration in $Nd_{1.85}Ce_{0.15}CuO_4-\delta$ by reduction. Physica B: Condensed Matter, 1991, 169, 635-636.	2.7	3
32	Magnetic-field-induced 1st order transition to FFLO state at paramagnetic limit in 2D superconductors. Journal of Physics: Conference Series, 2018, 969, 012072.	0.4	3
33	Evidence for a 20 K transition in $\hat{\Gamma}_2$ -(BEDT-TTF) $2I_3$. Synthetic Metals, 1993, 56, 2246-2250.	3.9	2
34	Evolution of the fermi surface in metastable $\hat{\Gamma}_2$ -L-(BEDT-TTF) $2I_3$. Synthetic Metals, 1995, 70, 903-906.	3.9	2
35	Temperature dependence of the normal state specific heat of $\hat{\Gamma}_2$ -(BEDT-TTF) $2Cu(NCS)_2$. Synthetic Metals, 1999, 103, 2080.	3.9	2
36	Fulde's "Ferrell-Larkin-Ovchinnikov superconductivity in heavy fermion $CeCoIn_5$. Physica B: Condensed Matter, 2006, 378-380, 343-346.	2.7	2

#	ARTICLE	IF	CITATIONS
37	Calorimetric determination of the angular dependent phase diagram of an S=1/2 Heisenberg triangular-lattice antiferromagnet. Journal of Physics: Conference Series, 2014, 568, 042010.	0.4	2
38	Versatile Low Temperature and High Magnetic Field Thermometers: The Low Temperature Magneto Resistance of Thin Film Cermets. Japanese Journal of Applied Physics, 1987, 26, 1741.	1.5	2
39	Precision Measurements of the Magnetoresistance of CePb ₃ , CePb _{2.97} and Ce ₆ La ₄ Pb ₃ at 50 mK. Japanese Journal of Applied Physics, 1987, 26, 543.	1.5	2
40	Magnetoquantum oscillations in the specific heat of a topological Kondo insulator. Journal of Physics Condensed Matter, 2022, 34, 36LT01.	1.8	2
41	Low temperature electronic states in (DMeO-DCNQI) ₂ Cu under pressure at low temperature. Synthetic Metals, 1991, 42, 2487-2490.	3.9	1
42	Hall effect of the organic superconductors of (TMTSF) ₂ X, (DMET) ₂ X and (BEDT-TTF) ₂ X. Physica C: Superconductivity and Its Applications, 1991, 185-189, 2685-2686.	1.2	1
43	Comment on "Electronic structure of insulating salts of the (BEDT-TTF) ₂ X family studied by low-temperature specific-heat measurements", Physical Review B, 1997, 56, 949-950.	3.2	1
44	Video-microscopy-based study of molecular crystal growth modes. Synthetic Metals, 1997, 86, 1855-1856.	3.9	1
45	Influence of Magnetic Ordering on Transport Properties of Pr _{2-x} Ce _x CuO ₄ . , 1992, , 93-96.		1
46	Effect of Oxygen to the Transport Properties of Bi ₂ Sr ₂ CaCu ₂ O _{8+δ} , YBa ₂ Cu ₃ O _{7-δ} and Nd _{2-x} Ce _x CuO _{4-δ} . , 1993, , 101-106.		1
47	Magneto-quantum oscillations of the specific heat in the Bechgaard salt (TMTSF) ₂ ClO ₄ . Synthetic Metals, 1991, 42, 1667-1670.	3.9	0
48	Hall effect and magnetic properties in Pr _{2-x} Ce _x CuO ₄ . Physica C: Superconductivity and Its Applications, 1991, 185-189, 1277-1278.	1.2	0
49	Field-induced quantum phase transitions in the spin-1/2 triangular-lattice antiferromagnet Cs ₂ CuBr ₄ . Journal of Physics: Conference Series, 2010, 200, 022008.	0.4	0
50	Hall Effect under Pressure in Low Dimensional Organic Superconductors. Japanese Journal of Applied Physics, 1993, 32, 306.	1.5	0