

M Brian Maple

List of Publications by Year in descending order

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40
papers

1,085
citations

471061

17
h-index

395343

33
g-index

41
all docs

41
docs citations

41
times ranked

1073
citing authors

#	ARTICLE	IF	CITATIONS
1	Resonant Magnetization Tunneling in the Trigonal Pyramidal MnIVMnIII3Complex [Mn4O3Cl(O2CCH3)3(dbm)3]. Journal of the American Chemical Society, 1998, 120, 4991-5004.	6.6	276
2	Half-Integer-Spin Small Molecule Magnet Exhibiting Resonant Magnetization Tunneling. Journal of the American Chemical Society, 1998, 120, 839-840.	6.6	123
3	Electronic Pairing in Exotic Superconductors. Physics Today, 1995, 48, 32-40.	0.3	80
4	Incommensurate Spin Fluctuations in the Spin-Triplet Superconductor Candidate $U\text{Te}_2$ Physical Review Letters, 2020, 125, 237003.	2.9	60
5	Antiferromagnetic critical pressure in $URu_2\text{Si}_5$ hydrostatic conditions. Physical Review B, 2010, 82, .	1.1	53
6	Non-Fermi Liquid Regimes and Superconductivity in the Low Temperature Phase Diagrams of Strongly Correlated d- and f-Electron Materials. Journal of Low Temperature Physics, 2010, 161, 4-54.	0.6	54
7	Resonance from antiferromagnetic spin fluctuations for superconductivity in UTe_2 . Nature, 2021, 600, 636-640.	13.7	34
8	Spectroscopic Determination of the Atomic f -Electron Symmetry Underlying Hidden Order in $URu_2\text{Si}_5$ Physical Review Letters, 2015, 114, 236401.	2.9	32
9	Symmetry and correlations underlying hidden order in $URu_2\text{Si}_5$ Physical Review B, 2015, 91, .	1.2	30
10	Ferromagnetic Ordering and Simultaneous Fast Magnetization Tunneling in a Ni_4 Single-Molecule Magnet. Inorganic Chemistry, 2010, 49, 5780-5782.	1.9	27
11	Ultrasonic Investigation of Off-Center Rattling in Filled Skutterudite Compound $NdOs_4Sb_{12}$. Journal of the Physical Society of Japan, 2008, 77, 074607.	0.7	25
12	From antiferromagnetic and hidden order to Pauli paramagnetism in UM_2Si_2 compounds with 5 f electron duality. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 30220-30227.	3.3	25
13	Transport and magnetic properties of (M = Pd, Pt). Journal of Physics Condensed Matter, 1996, 8, 9939-9951.	0.7	24
14	Evidence for a conducting surface ground state in high-quality single crystalline FeSi. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, 8558-8562.	3.3	24
15	Phase diagram and thermal expansion measurements on the system $URu_2\text{Si}_2$ Fe Si_2 . Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, 13348-13353.	3.3	23
16	Non-Fermi liquid regimes with and without quantum criticality in $Ce_{1-x}Yb_xCo_5$. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, 7160-7164.	3.3	22
17	Effect of hole doping in $Li_xCu_{1-x}O$. Physical Review B, 2003, 67, .	1.1	20
18	Metallurgical and low-temperature electronic properties of $M_{1-x}U_xPd_3$ (M=Sc,Y, La) alloys. Physical Review B, 2000, 62, 5496-5502.	1.1	17

#	ARTICLE	IF	CITATIONS
19	Solution-Condensed YBa ₂ Cu ₃ O _{7-x} Superconductor Thin Films from Thermosetting Metal-Organic Precursors. Journal of the American Ceramic Society, 1992, 75, 2268-2275.	1.9	16
20	Distinct magnetic spectra in the hidden order and antiferromagnetic phases in URu_2Si_2 . Physical Review B, 2016, 94, .	1.1	14
21	Quadrupolar susceptibility of URu_2Si_2 . Journal of Magnetism and Magnetic Materials, 2007, 310, 223-225.	1.0	13
22	Phase diagram of URu_2Si_2 in high magnetic fields. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, 9826-9831.	3.3	12
23	Superconductors: Induction of superconductivity by applied magnetic fields. Nature, 1985, 315, 95-96.	13.7	11
24	Phase diagram of lithium-doped copper oxide, $Cu_{1-x}Li_xO$. Solid State Communications, 2003, 125, 23-26.	0.9	8
25	Isoelectronic perturbations to $f-d$ -electron hybridization and the enhancement of hidden order in URu_2Si_2 . Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	3.3	8
26	Fermi-surface topologies and low-temperature phases of the filled skutterudite compounds $CeOs_4$ and $NdOs_4$. Physical Review B, 2016, 94, .	1.1	7
27	Unconventional Superconductivity in Novel Materials. , 2004, , 555-730.		7
28	Resonant Magnetization Tunneling in Single-Molecule Magnets. Molecular Crystals and Liquid Crystals, 1999, 335, 371-389.	0.3	6
29	From hidden order to antiferromagnetism: Electronic structure changes in Fe-doped URu_2Si_2 . Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	3.3	5
30	Superconductivity and magnetism in rare earth transition metal borides. AIP Conference Proceedings, 1991, , .	0.3	4
31	Unconventional Superconductivity in Novel Materials. , 2008, , 639-762.		4
32	Evolution of the Magnetic and Superconducting States in UCoGe With Fe and Ni Substitution. Materials Research Society Symposia Proceedings, 2010, 1264, 1.	0.1	4
33	ELECTRON-DOPED HIGH T _c CUPRATE SUPERCONDUCTORS. , 1991, , 205-242.		4
34	Superconductivity and Magnetic Order: Low Temperature Phase Diagrams. Materials Research Society Symposia Proceedings, 1982, 19, 337.	0.1	3
35	RARE EARTH AND OTHER SUBSTITUTIONS IN HIGH TEMPERATURE OXIDE SUPERCONDUCTORS. , 1998, , 265-337.		3
36	Ultrasonic investigation of off-center rattling in $Pr_{0.55}Co_{0.45}O_{7-x}$. Physica B: Condensed Matter, 2009, 404, 3235-3237.	1.3	2

#	ARTICLE	IF	CITATIONS
37	Quasiparticle relaxation dynamics in URu_2Si_2 single crystals. Physical Review B, 2019, 99, .		
38	Tuning of Hidden Order and Superconductivity in URu_2Si_2 by Applied Pressure and Re Substitution. Materials Research Society Symposia Proceedings, 2006, 986, 1.	0.1	0
39	Suppression of Hidden Order and Emergence of Ferromagnetism in $\text{URu}_{2-x}\text{Re}_x\text{Si}_2$. Materials Research Society Symposia Proceedings, 2008, 1104, 1.	0.1	0
40	Evolution of Superconducting and Hidden Order Phases in URu_2Si_2 Under Applied Pressure. Materials Research Society Symposia Proceedings, 2008, 1104, 1.	0.1	0