

Mauro Giovannini

List of Publications by Year in descending order

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citations

331259

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90
all docs

90
docs citations

90
times ranked

699
citing authors

#	ARTICLE	IF	CITATIONS
1	Scaling of the critical temperature with the Fermi temperature in diborides. Physical Review B, 2002, 65, .	1.1	83
2	Substitution of Sc for Mg in MgB ₂ : Effects on transition temperature and Kohn anomaly. Physical Review B, 2004, 70, .	1.1	79
3	A superconductor made by a metal heterostructure at the atomic limit tuned at the 'shape resonance': MgB ₂ *. Journal of Physics Condensed Matter, 2001, 13, 7383-7390.	0.7	64
4	Thermal conductivity of superconducting MgB ₂ . Journal of Physics Condensed Matter, 2001, 13, L487-L493.	0.7	60
5	Structural chemistry, magnetism and thermodynamic properties of R ₂ Pd ₂ In. Journal of Alloys and Compounds, 1998, 280, 26-38.	2.8	58
6	Phase relationships of the La-Ni-Mg system at 500 Å°C from 0 to 66.7 at.% Ni. Journal of Alloys and Compounds, 2005, 397, 126-134.	2.8	58
7	The amplification of the superconducting T _c by combined effect of tuning of the Fermi level and the tensile micro-strain in Al _{1-x} Mg _x B ₂ . Europhysics Letters, 2002, 58, 278-284.	0.7	47
8	The isothermal section at 500 Å°C of the Y-La-Mg ternary system. Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science, 1995, 26, 5-10.	1.1	46
9	The Ce-Mg-Y system. Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science, 1997, 28, 265-276.	1.1	45
10	Effect of nonstoichiometry on the transition from ferromagnetism to antiferromagnetism in the ternary indides Ce _{1.95} Pd _{2+2x} In _{1-x} and Ce _{2+x} Pd _{1.85} In _{1-x} . Physical Review B, 2000, 61, 4044-4053.	1.1	45
11	Constitutional properties of the La-Cu-Mg system at 400 Å°C. Journal of Alloys and Compounds, 2007, 427, 134-141.	2.8	43
12	High T _c superconductivity in a critical range of micro-strain and charge density in diborides. Journal of Physics Condensed Matter, 2001, 13, 11689-11695.	0.7	39
13	Phase relationships of the La-Ni-Mg system at 500 Å°C from 66.7 to 100 at.% Ni. Journal of Alloys and Compounds, 2007, 439, 109-113.	2.8	35
14	Phase analysis of superconducting polycrystalline MgB ₂ . Micron, 2003, 34, 85-96.	1.1	32
15	The magnetic instability of Yb ₂ Pd ₂ (In,Sn) in a non-Fermi liquid environment. Journal of Physics Condensed Matter, 2005, 17, S999-S1009.	0.7	30
16	Magnetic-field-induced crossover from non-Fermi to Fermi liquid at the quantum critical point of YbCu ₅ . Physical Review B, 2009, 79, .	1.1	30
17	Characterization and physical properties of the indides Yb ₂ T ₂ In (T=Cu, Pd, Au). Intermetallics, 2001, 9, 481-485.	1.1	30
18	Characterization and physical properties of the indides Yb ₂ T ₂ In (T=Cu, Pd, Au). Intermetallics, 2001, 9, 481-485.	1.8	28

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19	The isothermal section at 750Å°C of the Ceâ€Pdâ€In system. Intermetallics, 2003, 11, 197-205.	1.8	28
20	Sc doping of MgB2: the structural and electronic properties of Mg1âˆ™xScxB2. Journal of Physics and Chemistry of Solids, 2004, 65, 1479-1484.	1.9	28
21	Isothermal section from 50 to 75 at.% Mg of the ternary system Yî–,Laî–,Mg. Journal of Alloys and Compounds, 1994, 203, 177-180.	2.8	22
22	Dynamical susceptibility and magnetic-field effect at the quantum critical point inCeCu6âˆ™xAuxfrom Cu NQR-NMR relaxation. Physical Review B, 2003, 68, .	1.1	22
23	Phase relationships at 600Å°C of the Ybâ€Pdâ€Sn system from 25 to 100at.% Yb. Intermetallics, 2010, 18, 429-433.	1.8	18
24	Structural and physical properties of the new intermetallic compound Yb3Pd2Sn2. Journal of Solid State Chemistry, 2011, 184, 2498-2505.	1.4	16
25	Antiferromagnetic rare-earth ordering in the intermetallic compounds R2Pd2In (R = Pr, Nd). Journal of Physics Condensed Matter, 2000, 12, 7089-7098.	0.7	15
26	A comparative investigation of isothermal sections of rare earth-Pdâ€In systems. Intermetallics, 2003, 11, 1237-1243.	1.8	15
27	Phase relationships at 500 Å°C in the Yî–,Prî–,Mg system. Journal of Alloys and Compounds, 1995, 220, 167-173. 2.8	2.8	14
28	Pressure-induced anomalous valence crossover in cubic YbCu5-based compounds. Scientific Reports, 2017, 7, 5846.	1.6	14
29	The magnetic structure of EuPdSn. Journal of Physics Condensed Matter, 2012, 24, 236004.	0.7	13
30	Crystal Structure and Magnetism of Noncentrosymmetric Eu₂Pd₂Sn. Inorganic Chemistry, 2021, 60, 8085-8092.	1.9	13
31	Yb(Cu,T)5 and Yb(Cu,T)4.5 solid solutions (T=Ag, Au, Pd). Intermetallics, 2008, 16, 399-405.	1.8	12
32	Extremely high density of magnetic excitations at$T=0$ in YbCu₅Au₁₂. Physical Review B, 2014, 90, .	1.1	12
33	Evolution of ground state properties in novel Yb2Pd2In1âˆ™xSnx. Journal of Magnetism and Magnetic Materials, 2004, 272-276, 237-238.	1.0	11
34	Gd(Mn1âˆ™xInx)2: crystal structure and physical properties. Journal of Alloys and Compounds, 2004, 365, 58-67.	2.8	11
35	Phase formation and ferrimagnetism of GdCo9Si4. Journal of Physics Condensed Matter, 2006, 18, 4567-4580.	0.7	11
36	Controlling the Critical Temperature in Mg1âˆ™x Al x B2. Journal of Superconductivity and Novel Magnetism, 2007, 20, 495-501.	0.8	11

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37	concentration effects on the Shastry-Sutherland phase stability in $Ce_{2-x}Yb_xPd_2Sn$. Journal of Physics Condensed Matter, 2018, 30, 495802.	1.1	11
38	Crystal structure and physical properties of the two stannides $EuPdSn_2$ and $YbPdSn_2$. Journal of Physics Condensed Matter, 2018, 30, 495802.	0.7	11
39	Field and pressure studies of Ce_2Pd_2In . European Physical Journal D, 1996, 46, 2063-2064.	0.4	10
40	Physical properties of the magnetically frustrated very-heavy-fermion compound $YbCu_4Pd_2Sn$. Physical Review B, 2018, 98, .	1.1	10
41	Isothermal section at 600°C of the $Yb-Pd-Sn$ system (Pd 75 at.%). Journal of Alloys and Compounds, 2017, 694, 185-192.	2.8	9
42	X-ray diffraction and microstructural study of PFM precious metal dental alloys under different metallurgical conditions. Journal of Alloys and Compounds, 1999, 289, 289-298.	2.8	8
43	Appearance of long range magnetic order in a nonmagnetic periphery: $Yb_2Pd_2(In,Sn)$. Physica Status Solidi (B): Basic Research, 2010, 247, 717-719.	0.7	8
44	Electronic structure and the valence state of Yb_2Pd_2Sn and $YbPd_2Sn$ studied by photoelectron and resonant x-ray emission spectroscopies. Physical Review B, 2012, 86, .	1.1	7
45	Crystal Structure and Magnetic Properties of new Eu-Pd-Sn Compounds. Acta Physica Polonica A, 2017, 131, 1003-1005.	0.2	7
46	Magnetic ordering in the rare-earth intermetallic compounds Tb_2Pd_2In and Ho_2Pd_2In . Physica B: Condensed Matter, 2000, 276-278, 702-703.	1.3	6
47	Ground state properties of the $YbCu_5-xAux$ ($0 < x \leq 1.8$) solid solution. Journal of Physics Condensed Matter, 2005, 17, S877-S882.	0.7	6
48	$Nd_2Ni_2MgH_8$ hydride: Synthesis, structure and magnetic properties. Intermetallics, 2017, 87, 13-20.	1.8	6
49	The isothermal section at 450°C of the $Yb-Pr-Mg$ system. Intermetallics, 1999, 7, 909-916.	1.8	5
50	Structure and Kondo properties of the novel compound. Physica B: Condensed Matter, 2006, 378-380, 831-832.	1.3	5
51	X-ray Absorption Near Edge Structure (XANES) microscopy of phase separation in superconducting $Mg_1-xSc_xB_2$. Spectrochimica Acta, Part B: Atomic Spectroscopy, 2007, 62, 717-719.	1.5	5
52	The role of crystal chemistry in $YbCu_5-xAux$. Journal of Alloys and Compounds, 2015, 627, 20-24.	2.8	5
53	Structure and properties of Tb_2Pd_2Mg hydride. Journal of Alloys and Compounds, 2017, 694, 201-207.	2.8	5
54	Pressure-induced antiferromagnetic dome in the heavy-fermion $Yb_{1-x}Cu_xPd_2Sn$ system. Physical Review B, 2020, 101, .	1.2	5

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55	The Magnetic Field Induced Ferromagnetism in EuPd_2Sn_4 Novel Compound. <i>Physica Status Solidi (B): Basic Research</i> , 2021, 258, 2000633.	0.7	5
56	ANISOTROPIC THERMAL EXPANSION IN DIBORIDES AS A FUNCTION OF MICRO-STRAIN. <i>International Journal of Modern Physics B</i> , 2003, 17, 812-818.	1.0	4
57	Anomalous Thermal Expansion in Superconducting $\text{Mg}_{1-x}\text{Al}_x\text{B}_2$ System. <i>Journal of Superconductivity and Novel Magnetism</i> , 2005, 18, 737-741.	0.5	4
58	Searching for a Quantum Critical Point in Rh doped ferromagnetic $\text{Ce}_{2.15}\text{Pd}_{1.95}\text{In}_{0.9}$. <i>Journal of Physics: Conference Series</i> , 2012, 391, 012062.	0.3	4
59	Competition between ferromagnetism and frustrated antiferromagnetism in quasi 2D $\text{Ce}_{2.15}(\text{Pd}_{1-x}\text{Ag}_x)_{1.95}\text{In}_{0.9}$ alloys. <i>Journal of Physics Condensed Matter</i> , 2016, 28, 475601.	0.7	4
60	YbPd_2In : A promising candidate for strong entropy accumulation at very low temperature. <i>Physical Review B</i> , 2019, 100, .	1.1	4
61	Strong Electronic Correlations in a New Yb-Based Compound: YbCu_4Ni . <i>Acta Physica Polonica A</i> , 2010, 118, 919-921.	0.2	4
62	Alloying behavior of the rare earth metals with manganese. <i>Powder Metallurgy and Metal Ceramics</i> , 1997, 36, 117-127.	0.4	3
63	The role of boron lattice expansion in superconducting diborides. <i>Intermetallics</i> , 2003, 11, 1339-1344.	1.8	3
64	From weakly antiferromagnetic metal to quantum criticality: NQR and ^{113}Cd SR results for CeCu_6Au_x with $0 \leq x \leq 0.8$. <i>Physica B: Condensed Matter</i> , 2005, 359-361, 89-91.	1.3	3
65	Phase formation and ground state properties of CeCo_9Si_4 . <i>Journal of Physics Condensed Matter</i> , 2010, 22, 135601.	0.7	3
66	Study of Magnetic Contribution to the Heat Capacity of YbCu_4Ni . <i>Acta Physica Polonica A</i> , 2012, 122, 3-5.	0.2	3
67	T_c as a Function of Electron Doping in Mg_{10}B_2 Using Sc for Mg Substitution. <i>Journal of Superconductivity and Novel Magnetism</i> , 2005, 18, 667-670.	0.5	2
68	On the magnetic field dependence of the susceptibility at the quantum critical point in $\text{CeCu}_5.9\text{Au}_{0.1}$. <i>Physica B: Condensed Matter</i> , 2006, 378-380, 84-86.	1.3	2
69	Study on effect of Ge doping on CeNi_5 . <i>European Physical Journal B</i> , 2013, 86, 1.	0.6	2
70	Elucidating the lack of magnetic order in the heavy-fermion CeCu_2Si_2 . <i>Physical Review B</i> , 2017, 95, .		
71	Shastry-Sutherland phase formation in magnetically frustrated $\text{Ce}_2\text{Pd}_2\text{In}_{1-x}\text{Sn}_x$ alloys. <i>Materials Today: Proceedings</i> , 2019, 14, 80-83.	0.9	2
72	Structural and magnetic properties of the $\text{Yb}_2\text{Pd}_2(\text{In}_{1-x}\text{Ag}_x)_2$ system: A systematic investigation. <i>Journal of Physics Condensed Matter</i> , 2019, 31, 385802.	0.7	2

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73	Direct Search for Low Energy Nuclear Isomeric Transition of Th-229m With TES Detector. IEEE Transactions on Applied Superconductivity, 2021, 31, 1-4.	1.1	2
74	Transport and Magnetic Properties of YbCu ₄ Ni. Acta Physica Polonica A, 2012, 122, 6-10.	0.2	2
75	Deep insights into the local structure of amorphous Ta ₂ O ₅ thin films by x-ray pair distribution function analysis. Physical Review Materials, 2021, 5, .	0.9	2
76	Phase Relationships of the La-Ni-Mg System at 500 Å°C from 0 to 66.7 at.% Ni.. ChemInform, 2005, 36, no.	0.1	1
77	Crystal structure and physical properties of the novel stannide Yb ₃ Pd ₂ Sn ₂ . Journal of Physics: Conference Series, 2012, 391, 012008.	0.3	1
78	Non-magnetic Anomaly at 1K Arising in Ferromagnetic Ce _{2.15} (Pd _{1-x} Ag _x) _{1.95} In _{0.9} . Physics Procedia, 2015, 75, 390-396.	1.2	1
79	Suppression of ferromagnetic order by Ag-doping: a neutron scattering investigation on Ce ₂ (Pd _{1-x} Ag) _{1.95} In _{0.9} . Journal of Physics: Conference Series, 2015, 1007, 012008.	0.7	1
80	Suppression of the Shastry-Sutherland phase driven by electronic concentration reduction in magnetically frustrated Ce _{2.15} Pd _{1.95} (Sn _{1-y} In _y) _{0.9} alloys. Physical Review B, 2019, 100, .	1.1	1
81	Structural and Physical Properties of the new Stannide Yb ₃ Pd ₄ Sn ₁₃ . Acta Physica Polonica A, 2017, 131, 1006-1008.	0.2	1
82	Crystallographic, magnetic and magnetocaloric properties in Yb-based alloy. Journal of Magnetism and Magnetic Materials, 2022, 551, 169102.	1.0	1
83	Advances in doping MgB ₂ : tuning the Fermi level to the shape resonance by Sc substitution. Physica Status Solidi C: Current Topics in Solid State Physics, 2004, 1, 1832-1835.	0.8	0
84	Magnetic field effect at the quantum critical point in CeCu _{6-x} Aux from Cu NMR relaxation. Journal of Magnetism and Magnetic Materials, 2004, 272-276, 211-213.	1.0	0
85	Structural and Magnetic Properties of Yb _{0.5} Ce _{0.5} Ni ₅ . Metals, 2022, 12, 230.	1.0	0
86	Phase relations at 600 Å°C in ytterbium-palladium-indium system. Journal of Alloys and Compounds, 2022, 920, 165882.	2.8	0