

Mauro Giovannini

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/6215753/publications.pdf>

Version: 2024-02-01

86
papers

1,337
citations

331259

21
h-index

395343

33
g-index

90
all docs

90
docs citations

90
times ranked

699
citing authors

#	ARTICLE	IF	CITATIONS
1	Crystallographic, magnetic and magnetocaloric properties in Yb-based alloy. Journal of Magnetism and Magnetic Materials, 2022, 551, 169102.	1.0	1
2	Structural and Magnetic Properties of Yb _{0.5} Ce _{0.5} Ni ₅ . Metals, 2022, 12, 230.	1.0	0
3	Phase relations at 600 Å°C in ytterbium-palladium-indium system. Journal of Alloys and Compounds, 2022, 920, 165882.	2.8	0
4	The Magnetic Field Induced Ferromagnetism in EuPd ₂ Sn ₄ Novel Compound. Physica Status Solidi (B): Basic Research, 2021, 258, 2000633.	0.7	5
5	Crystal Structure and Magnetism of Noncentrosymmetric Eu ₂ Pd ₂ Sn. Inorganic Chemistry, 2021, 60, 8085-8092.	1.9	13
6	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
7	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
8	Pressure-induced antiferromagnetic dome in the heavy-fermion Yb ₂ system. Physical Review B, 2020, 101, .	1.2	1
9	Shastry-Sutherland phase formation in magnetically frustrated Ce ₂ Pd ₂ In _{1-x} Sn _x alloys. Materials Today: Proceedings, 2019, 14, 80-83.	0.9	2
10	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
11	Structural and magnetic properties of the Yb ₂ Pd ₂ (In _{1-x}) ₂ ETQq1 1 0.784314 rgBT /Overlook investigation. Journal of Physics Condensed Matter, 2019, 31, 385802.	0.7	2
12	YbPd ₂ In : A promising candidate for strong entropy accumulation at very low temperature. Physical Review B, 2019, 100, .	1.1	4
13	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
14	Physical properties of the magnetically frustrated very-heavy-fermion compound YbCu ₄ . Physical Review B, 2018, 98, .	1.1	1
15	Suppression of ferromagnetic order by Ag-doping: a neutron scattering investigation on Ce ₂ (Pd _{1-x} Ag) ₂ ETQq1 1 0.784314 rgBT /Overlook	0.7	1
16	Nd ₂ Ni ₂ Mg ₈ H ₈ hydride: Synthesis, structure and magnetic properties. Intermetallics, 2017, 87, 13-20.	1.8	6
17	Elucidating the lack of magnetic order in the heavy-fermion CeCu ₂ Physical Review B, 2017, 95, .	1.2	2
18	Pressure-induced anomalous valence crossover in cubic YbCu ₅ -based compounds. Scientific Reports, 2017, 7, 5846.	1.6	14

#	ARTICLE	IF	CITATIONS
19	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
20	Structure and properties of Tb ₂ Pd ₂ Mg hydride. Journal of Alloys and Compounds, 2017, 694, 201-207.	2.8	5
21	Crystal Structure and Magnetic Properties of new Eu-Pd-Sn Compounds. Acta Physica Polonica A, 2017, 131, 1003-1005.	0.2	7
22	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
23	Competition between ferromagnetism and frustrated antiferromagnetism in quasi 2D Ce _{2.15} (Pd _{1-x} Ag _x) _{1.95} In _{0.9} alloys. Journal of Physics Condensed Matter, 2016, 28, 475601.	0.7	4
24	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
25	The role of crystal chemistry in YbCu _{5-x} Aux. Journal of Alloys and Compounds, 2015, 627, 20-24.	2.8	5
26	Extremely high density of magnetic excitations at TT $YbCu_{5-x}Au_x$ Physical Review B, 2014, 90, .	1.1	12
27	Study on effect of Ge doping on CeNi ₅ . European Physical Journal B, 2013, 86, 1.	0.6	2
28	Electronic structure and the valence state of Yb ₂ Pd ₂ Sn and YbPd ₂ Sn studied by photoelectron and resonant x-ray emission spectroscopies. Physical Review B, 2012, 86, .	1.1	7
29	Searching for a Quantum Critical Point in Rh doped ferromagnetic Ce _{2.15} Pd _{1.95} In _{0.9} . Journal of Physics: Conference Series, 2012, 391, 012062.	0.3	4
30	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
31	The magnetic structure of EuPdSn. Journal of Physics Condensed Matter, 2012, 24, 236004.	0.7	13
32	Study of Magnetic Contribution to the Heat Capacity of YbCu ₄ Ni. Acta Physica Polonica A, 2012, 122, 3-5.	0.2	3
33	Transport and Magnetic Properties of YbCu ₄ Ni. Acta Physica Polonica A, 2012, 122, 6-10.	0.2	2
34	Electron concentration effects on the Shastry-Sutherland phase stability in Ce $YbCu_{4-x}Ni_x$	1.1	11
35	Structural and physical properties of the new intermetallic compound Yb ₃ Pd ₂ Sn ₂ . Journal of Solid State Chemistry, 2011, 184, 2498-2505.	1.4	16
36	Reentrant quantum criticality in Yb $Yb_{3-x}Pd_{2+x}Sn_2$ Physical	1.1	30

#	ARTICLE	IF	CITATIONS
37	Appearance of long range magnetic order in a nonmagnetic periphery: $\text{Yb}_2\text{Pd}_2(\text{In},\text{Sn})$. <i>Physica Status Solidi (B): Basic Research</i> , 2010, 247, 717-719.	0.7	8
38	Phase formation and ground state properties of CeCo_9Si_4 . <i>Journal of Physics Condensed Matter</i> , 2010, 22, 135601.	0.7	3
39	Phase relationships at 600°C of the $\text{Yb}-\text{Pd}-\text{Sn}$ system from 25 to 100at.% Yb. <i>Intermetallics</i> , 2010, 18, 429-433.	1.8	18
40	Strong Electronic Correlations in a New Yb-Based Compound: YbCu_4Ni . <i>Acta Physica Polonica A</i> , 2010, 118, 919-921.	0.2	4
41	Magnetic-field-induced crossover from non-Fermi to Fermi liquid at the quantum critical point of YbCu_5 . <i>Physical Review B</i> , 2009, 79, ...	1.1	30
42	$\text{Yb}(\text{Cu},\text{T})_5$ and $\text{Yb}(\text{Cu},\text{T})_{4.5}$ solid solutions (T=Ag, Au, Pd). <i>Intermetallics</i> , 2008, 16, 399-405.	1.8	12
43	Constitutional properties of the $\text{La}-\text{Cu}-\text{Mg}$ system at 400°C . <i>Journal of Alloys and Compounds</i> , 2007, 427, 134-141.	2.8	43
44	Phase relationships of the $\text{La}-\text{Ni}-\text{Mg}$ system at 500°C from 66.7 to 100at.% Ni. <i>Journal of Alloys and Compounds</i> , 2007, 439, 109-113.	2.8	35
45	Controlling the Critical Temperature in $\text{Mg}_{1-x}\text{Al}_x\text{B}_2$. <i>Journal of Superconductivity and Novel Magnetism</i> , 2007, 20, 495-501.	0.8	11
46	X-ray Absorption Near Edge Structure (XANES) microscopy of phase separation in superconducting $\text{Mg}_{1-x}\text{Sc}_x\text{B}_2$. <i>Spectrochimica Acta, Part B: Atomic Spectroscopy</i> , 2007, 62, 717-719.	1.5	5
47	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
48	Structure and Kondo properties of the novel compound. <i>Physica B: Condensed Matter</i> , 2006, 378-380, 831-832.	1.3	5
49	Phase formation and ferrimagnetism of GdCo_9Si_4 . <i>Journal of Physics Condensed Matter</i> , 2006, 18, 4567-4580.	0.7	11
50	From weakly antiferromagnetic metal to quantum criticality: NQR and ^{14}SR results for $\text{CeCu}_{6-x}\text{Au}_x$ with $0 \leq x \leq 0.8$. <i>Physica B: Condensed Matter</i> , 2005, 359-361, 89-91.	1.3	3
51	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
52	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
53	Phase Relationships of the $\text{La}-\text{Ni}-\text{Mg}$ System at 500°C from 0 to 66.7 at.% Ni. <i>ChemInform</i> , 2005, 36, no.	0.1	1
54	Ground state properties of the $\text{YbCu}_{5-x}\text{Au}_x$ ($0 < x \leq 1.8$) solid solution. <i>Journal of Physics Condensed Matter</i> , 2005, 17, S877-S882.	0.7	6

#	ARTICLE	IF	CITATIONS
55	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
56	Phase relationships of the La-Ni-Mg system at 500°C from 0 to 66.7at.% Ni. Journal of Alloys and Compounds, 2005, 397, 126-134.	2.8	58
57	Substitution of Sc for Mg in MgB ₂ : Effects on transition temperature and Kohn anomaly. Physical Review B, 2004, 70, .	1.1	79
58	Sc doping of MgB ₂ : the structural and electronic properties of Mg _{1-x} Sc _x B ₂ . Journal of Physics and Chemistry of Solids, 2004, 65, 1479-1484.	1.9	28
59	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
60	Magnetic field effect at the quantum critical point in CeCu _{6-x} Aux from Cu NQR-NMR relaxation. Journal of Magnetism and Magnetic Materials, 2004, 272-276, 211-213.	1.0	0
61	Evolution of ground state properties in novel Yb ₂ Pd ₂ In _{1-x} Sn _x . Journal of Magnetism and Magnetic Materials, 2004, 272-276, 237-238.	1.0	11
62	Gd(Mn _{1-x} In _x) ₂ : crystal structure and physical properties. Journal of Alloys and Compounds, 2004, 365, 58-67.	2.8	11
63	Phase analysis of superconducting polycrystalline MgB ₂ . Micron, 2003, 34, 85-96.	1.1	32
64	The isothermal section at 750°C of the Ce-Pd-In system. Intermetallics, 2003, 11, 197-205.	1.8	28
65	A comparative investigation of isothermal sections of rare earth-Pd-In systems. Intermetallics, 2003, 11, 1237-1243.	1.8	15
66	The role of boron lattice expansion in superconducting diborides. Intermetallics, 2003, 11, 1339-1344.	1.8	3
67	Dynamical susceptibility and magnetic-field effect at the quantum critical point in CeCu _{6-x} Aux from Cu NQR-NMR relaxation. Physical Review B, 2003, 68, .	1.1	22
68	ANISOTROPIC THERMAL EXPANSION IN DIBORIDES AS A FUNCTION OF MICRO-STRAIN. International Journal of Modern Physics B, 2003, 17, 812-818.	1.0	4
69	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
70	Scaling of the critical temperature with the Fermi temperature in diborides. Physical Review B, 2002, 65, .	1.1	83
71	Characterization and physical properties of the intermetallics Yb ₂ T ₂ In (T=Cu, Pd, Au). Intermetallics, 2001, 9, 481-485.	1.8	28
72	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

#	ARTICLE	IF	CITATIONS
73	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
74	Thermal conductivity of superconducting MgB ₂ . Journal of Physics Condensed Matter, 2001, 13, L487-L493.	0.7	60
75	Magnetic ordering in the rare-earth intermetallic compounds Tb ₂ Pd ₂ In and Ho ₂ Pd ₂ In. Physica B: Condensed Matter, 2000, 276-278, 702-703.	1.3	6
76	Antiferromagnetic rare-earth ordering in the intermetallic compounds R ₂ Pd ₂ In (R = Pr, Nd). Journal of Physics Condensed Matter, 2000, 12, 7089-7098.	0.7	15
77	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
78	The isothermal section at 450 Å°C of the Yb-Pr-Mg system. Intermetallics, 1999, 7, 909-916.	1.8	5
79	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
80	Structural chemistry, magnetism and thermodynamic properties of R ₂ Pd ₂ In. Journal of Alloys and Compounds, 1998, 280, 26-38.	2.8	58
81	Alloying behavior of the rare earth metals with manganese. Powder Metallurgy and Metal Ceramics, 1997, 36, 117-127.	0.4	3
82	The Ce-Mg-Y system. Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science, 1997, 28, 265-276.	1.1	45
83	Field and pressure studies of Ce ₂ Pd ₂ In. European Physical Journal D, 1996, 46, 2063-2064.	0.4	10
84	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
85	Phase relationships at 500 Å°C in the Y-Pr-Mg system. Journal of Alloys and Compounds, 1995, 220, 167-173.	2.8	14
86	Isothermal section from 50 to 75 at.% Mg of the ternary system Y-La-Mg. Journal of Alloys and Compounds, 1994, 203, 177-180.	2.8	22