

Adriana Saccone

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/2849796/publications.pdf>

Version: 2024-02-01

200
papers

4,843
citations

100601

38
h-index

175968

55
g-index

231
all docs

231
docs citations

231
times ranked

3178
citing authors

#	ARTICLE	IF	CITATIONS
1	Phase Relationships of the Gd-Zn System. International Journal of Materials Research, 2022, 92, 959-965.	0.1	0
2	Platinum–Dysprosium Alloys as Oxygen Electrodes in Alkaline Media: An Experimental and Theoretical Study. Nanomaterials, 2022, 12, 2318.	1.9	1
3	Enhanced borohydride oxidation kinetics at gold-rare earth alloys. Journal of Alloys and Compounds, 2021, 857, 158273.	2.8	9
4	La ₂ Pd ₃ Ge ₅ and Nd ₂ Pd ₃ Ge ₅ Compounds: Chemical Bonding and Physical Properties. Inorganic Chemistry, 2021, 60, 3345-3354.	1.9	11
5	Solid state interactions in the La–Au–Mg system: phase equilibria, novel compounds and chemical bonding. Dalton Transactions, 2020, 49, 12056-12067.	1.6	15
6	New Quasicrystal Approximant in the Sc–Pd System: From Topological Data Mining to the Bench. Chemistry of Materials, 2020, 32, 1064-1079.	3.2	10
7	Ethanol Electrooxidation at Platinum-Rare Earth (RE = Ce, Sm, Ho, Dy) Binary Alloys. Energies, 2020, 13, 1658.	1.6	8
8	Polar–Covalent Bonding Beyond the Zintl Picture in Intermetallic Rare–Earth Germanides. Chemistry - A European Journal, 2019, 25, 6600-6612.	1.7	29
9	Synthesis, crystal structure and physical properties of Yb ₂ Pd ₃ Ge ₅ . Journal of Alloys and Compounds, 2019, 783, 601-607.	2.8	5
10	Constitution of the binary M-Sb systems (M = Ti, Zr, Hf) and physical properties of MSb ₂ . Intermetallics, 2018, 94, 119-132.	1.8	13
11	Lu ₅ Pd ₄ Ge ₈ and Lu ₃ Pd ₄ Ge ₄ : Two More Germanides among Polar Intermetallics. Crystals, 2018, 8, 205.	1.0	13
12	Influence of rare earths alloying addition on the corrosion behavior of Zn in neutral aerated sodium chloride solution. Materials and Corrosion - Werkstoffe Und Korrosion, 2018, 69, 1447-1454.	0.8	1
13	Isothermal section of the La-Mg-Sn system at 500 °C and crystal structure of the new ternary stannide LaMgSn ₂ . Journal of Solid State Chemistry, 2017, 248, 32-39.	1.4	8
14	The 500 °C isothermal section of the Tb–Al–Si system and thermal behavior of selected Al-rich alloys. Journal of Thermal Analysis and Calorimetry, 2017, 130, 525-533.	2.0	5
15	A new glance on R ₂ MGe ₆ (R = rare earth metal, M = another metal) compounds. An experimental and theoretical study of R ₂ PdGe ₆ germanides. Dalton Transactions, 2017, 46, 14021-14033.	1.6	11
16	The $\langle R \rangle$MgSn ₂ Series of Compounds ($\langle R \rangle$ = Rare Earth Metal): Synthesis, Crystal Structure, and Magnetic Measurements. European Journal of Inorganic Chemistry, 2017, 2017, 3040-3047.	1.0	4
17	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
18	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

#	ARTICLE	IF	CITATIONS
19	Development of a modular room-temperature hydride storage system for vehicular applications. Applied Physics A: Materials Science and Processing, 2016, 122, 1.	1.1	30
20	Nickel-Rare Earth (RE = Ce, Sm, Dy) Electrodes for H ₂ O ₂ Reduction in Fuel Cells. ECS Transactions, 2016, 72, 31-40.	0.3	2
21	Yb ₉ CuMg ₄ (x = 0.034): A β -Phase Formed by Lanthanoids. Inorganic Chemistry, 2016, 55, 8174-8183.	1.9	7
22	The Ti-Mn system revisited: experimental investigation and thermodynamic modelling. Physical Chemistry Chemical Physics, 2016, 18, 23326-23339.	1.3	16
23	The R ₂ Pd ₃ Ge ₅ (R = La, Nd, Sm) germanides: synthesis, crystal structure and symmetry reduction. Structural Chemistry, 2016, 27, 1693-1701.	1.0	17
24	Platinum-rare earth cathodes for direct borohydride-peroxide fuel cells. Journal of Power Sources, 2016, 307, 251-258.	4.0	28
25	Crystal Chemistry of the New Families of Interstitial Compounds R ₆ Mg ₂₃ C (R = Ti, Zr, Hf). Inorganic Chemistry, 2016, 55, 191-204.	1.9	10
26	Nickel-rare earth electrodes for sodium borohydride electrooxidation. Electrochimica Acta, 2016, 190, 1050-1056.	2.6	45
27	Spinel type twins of the new cubic Er ₆ Zn ₂₃ Ge compound. Zeitschrift Fur Kristallographie - Crystalline Materials, 2016, 231, 71-77.	0.4	1
28	Crystal structures of the new ternary stannides La ₃ Mg ₄ Sn ₂ and LaMg ₃ Sn ₂ . Journal of Solid State Chemistry, 2016, 233, 407-414.	1.4	4
29	Domestic wastewater treatment using Pt,Ni-RE (rare earth) electrodes. AIMS Energy, 2016, 4, 894-905.	1.1	0
30	Corrosion behavior of new ternary zirconium alloys as alternative materials for biomedical applications. Materials and Corrosion - Werkstoffe Und Korrosion, 2015, 66, 1125-1132.	0.8	10
31	Vacancy Ordering as a Driving Factor for Structural Changes in Ternary Germanides: The New R ₂ Zn _{1-x} Ge ₆ Series of Polar Intermetallics (R = Rare-Earth Metal). Inorganic Chemistry, 2015, 54, 2411-2424.	1.9	13
32	Enhancement of hydrogen evolution in alkaline water electrolysis by using nickel-rare earth alloys. International Journal of Hydrogen Energy, 2015, 40, 4295-4302.	3.8	86
33	Constitution of the systems {V,Nb,Ta}-Sb and physical properties of β -antimonides {V,Nb,Ta}Sb ₂ . Intermetallics, 2015, 65, 94-110.	1.8	23
34	Phase relationships of the Al-Si systems. Journal of Thermal Analysis and Calorimetry, 2015, 121, 1151-1157.	2.0	7
35	Investigation of Nickel-Rare Earth Electrodes for Sodium Borohydride Electrooxidation. ECS Transactions, 2014, 64, 1095-1102.	0.3	2
36	Nickel and Nickel-Cerium Alloy Anodes for Direct Borohydride Fuel Cells. Journal of the Electrochemical Society, 2014, 161, F594-F599.	1.3	41

#	ARTICLE	IF	CITATIONS
37	Electrocatalytic performance of Pt–Dy alloys for direct borohydride fuel cells. <i>Journal of Power Sources</i> , 2014, 272, 335-343.	4.0	71
38	Influence of the alloying component on the corrosion behaviour of zinc in neutral aerated sodium chloride solution. <i>Corrosion Science</i> , 2014, 89, 286-294.	3.0	22
39	Phase equilibria in the La–Mg–Ge system at 500°C and crystal structure of the new ternary compounds La ₁₁ Mg ₂ Ge ₇ and LaMg ₃ xGe ₂ . <i>Journal of Solid State Chemistry</i> , 2014, 218, 184-195.	1.4	13
40	Study of Co–W crystalline alloys as hydrogen electrodes in alkaline water electrolysis. <i>International Journal of Hydrogen Energy</i> , 2014, 39, 12448-12456.	3.8	20
41	Electrocatalytic Activity of Nickel-Cerium Alloys for Hydrogen Evolution in Alkaline Water Electrolysis. <i>Journal of the Electrochemical Society</i> , 2014, 161, F386-F390.	1.3	44
42	Phase equilibria in the Sm–Al–Si system at 500°C. <i>Journal of Thermal Analysis and Calorimetry</i> , 2014, 116, 61-67.	2.0	7
43	The 400°C Isothermal Section of the La-Co-Mg Ternary System. <i>Journal of Phase Equilibria and Diffusion</i> , 2014, 35, 377-383.	0.5	18
44	Platinum–rare earth electrodes for hydrogen evolution in alkaline water electrolysis. <i>International Journal of Hydrogen Energy</i> , 2013, 38, 3137-3145.	3.8	102
45	Electrocatalytic approach for the efficiency increase of electrolytic hydrogen production: Proof-of-concept using platinum–dysprosium alloys. <i>Energy</i> , 2013, 50, 486-492.	4.5	54
46	Study on La–Mg based ternary system for hydrogen storage. <i>Journal of Alloys and Compounds</i> , 2013, 580, S159-S162.	2.8	16
47	Nickel-Cerium Electrodes for Hydrogen Evolution in Alkaline Water Electrolysis. <i>ECS Transactions</i> , 2013, 58, 113-121.	0.3	6
48	Microstructure and <i>in vitro</i> degradation performance of Mg–Zn–Mn alloys for biomedical application. <i>Journal of Biomedical Materials Research - Part A</i> , 2013, 101A, 704-711.	2.1	46
49	Nickel-Cerium Alloys for Borohydride Oxidation. <i>ECS Transactions</i> , 2013, 58, 1893-1901.	0.3	1
50	Searching for a Quantum Critical Point in Rh doped ferromagnetic Ce _{2.15} Pd _{1.95} In _{0.9} . <i>Journal of Physics: Conference Series</i> , 2012, 391, 012062.	0.3	4
51	Crystal structure and physical properties of the novel stannide Yb ₃ Pd ₂ Sn ₂ . <i>Journal of Physics: Conference Series</i> , 2012, 391, 012008.	0.3	1
52	New Ternary Germanides La ₄ Mg ₅ Ge ₆ and La ₄ Mg ₇ Ge ₆ : Crystal Structure and Chemical Bonding. <i>Inorganic Chemistry</i> , 2012, 51, 207-214.	1.9	24
53	Synthesis and Crystallochemical Characterisation of the Intermetallic Phases La(Ag _x Mg _{1-x}) ₁₂ (0.11 ≤ x ≤ 0.21), LaAg ₄ Mg ₂ (x = 0.15) and LaAg ₂ Mg ₂ (0 ≤ x ≤ 0.45). <i>European Journal of Inorganic Chemistry</i> , 2012, 2012, 4811-4821.	1.0	18
54	Stability of the passive state of Zr–Nb crystalline alloys. <i>Materials and Corrosion - Werkstoffe Und Korrosion</i> , 2012, 63, 580-585.	0.8	14

#	ARTICLE	IF	CITATIONS
55	In vitro corrosion behaviour of Ti-Nb-Sn shape memory alloys in Ringer's physiological solution. Journal of Materials Science: Materials in Medicine, 2012, 23, 865-871.	1.7	52
56	Phase equilibria of the Dy-Al-Si system at 500°C. Journal of Thermal Analysis and Calorimetry, 2012, 108, 817-823.	2.0	11
57	Phase Relations and Crystal Structure of $\text{Ti}_{0.16}\text{Ni}_{0.43}\text{Al}_{0.41}\text{Ti}_3$. Inorganic Chemistry, 2011, 50, 4537-4547.	1.9	6
58	Electron concentration effects on the Shastry-Sutherland phase stability in $\text{Ce}_{2-x}\text{Mg}_x$. Journal of Materials Science: Materials in Medicine, 2011, 22, 1293-1302.	1.7	36
59	The isothermal section of the La-Ag-Mg phase diagram at 400°C. Intermetallics, 2011, 19, 671-681.	1.8	34
60	Structural and physical properties of the new intermetallic compound $\text{Yb}_3\text{Pd}_2\text{Sn}_2$. Journal of Solid State Chemistry, 2011, 184, 2498-2505.	1.4	16
61	Study of the in vitro corrosion behavior and biocompatibility of Zr-2.5Nb and Zr-1.5Nb-1Ta (at%) crystalline alloys. Journal of Materials Science: Materials in Medicine, 2011, 22, 1293-1302.	1.7	36
62	Experimental investigation of the Nd-Al-Si system. Journal of Thermal Analysis and Calorimetry, 2011, 103, 103-109.	2.0	13
63	Platinum-rare earth intermetallic alloys as anode electrocatalysts for borohydride oxidation. Catalysis Today, 2011, 170, 134-140.	2.2	35
64	Fe-Mo-R (R = rare earth metal) crystalline alloys as a cathode material for hydrogen evolution reaction in alkaline solution. International Journal of Hydrogen Energy, 2011, 36, 1965-1973.	3.8	44
65	3D [Ag-Mg] polyanionic frameworks in the $\text{La}_4\text{Ag}_{10}\text{Mg}_3$ and $\text{La}_4\text{Ag}_{10.3}\text{Mg}_{12}$ new ternary compounds. Journal of Solid State Chemistry, 2010, 183, 2995-3001.	1.4	14
66	Effect of Nb alloying additions on the characteristics of anodic oxide films on zirconium and their stability in NaOH solution. Journal of Solid State Electrochemistry, 2010, 14, 1451-1455.	1.2	12
67	Bio-corrosion characterization of Mg-Zn-X (X = Ca, Mn, Si) alloys for biomedical applications. Journal of Materials Science: Materials in Medicine, 2010, 21, 1091-1098.	1.7	129
68	Phase relationships at 600°C of the Yb-Pd-Sn system from 25 to 100 at.% Yb. Intermetallics, 2010, 18, 429-433.	1.8	18
69	The novel intermetallic phases TbNiMg and $\text{Tb}_{4+x}\text{Ni}_2\text{Mg}_3$ ($x = 0.2$): Synthesis, crystal structure and peculiarities. Intermetallics, 2010, 18, 719-724.	1.8	11
70	The Mg-Zn-Si system: Constitutional properties and phase formation during mechanical alloying. Intermetallics, 2010, 18, 1722-1728.	1.8	10
71	Ferromagnetic spin fluctuations in quasi-2D EuCu_9Mg_2 . Journal of Alloys and Compounds, 2010, 508, 28-36.	2.8	7
72	Clathrates $\text{Ba}_8\{\text{Zn,Cd}\}_x\text{Si}_{46-x}$: synthesis, crystal structure and thermoelectric properties. Journal of Physics Condensed Matter, 2009, 21, 385404.	0.7	27

#	ARTICLE	IF	CITATIONS
73	Inhomogeneous 2D linear intergrowth structures among novel Y-Cu-Mg ternary compounds with yttrium/copper equiatomic ratio. <i>Solid State Sciences</i> , 2009, 11, 801-811.	1.5	26
74	Application of EIS to assess the effect of rare earths small addition on the corrosion behaviour of Zn-5% Al (Galvan) alloy in neutral aerated sodium chloride solution. <i>Electrochimica Acta</i> , 2009, 54, 1204-1209.	2.6	68
75	Phase equilibria in systems Ce-M-Sb (M=Si, Ge, Sn) and superstructure Ce ₁₂ Ge ₉₋₁₀ Sb _{23+x} (x=3.8±0.1). <i>Journal of Solid State Chemistry</i> , 2009, 182, 645-656.	1.4	16
76	Anti-Mackay Polyicosahedral Clusters in La-Ni-Mg Ternary Compounds: Synthesis and Crystal Structure of the La ₄₃ Ni ₁₇ Mg ₅ New Intermetallic Phase. <i>Inorganic Chemistry</i> , 2009, 48, 11586-11593.	1.9	20
77	The isothermal section of the La-Si-Mg system at 500°C. <i>Calphad: Computer Coupling of Phase Diagrams and Thermochemistry</i> , 2009, 33, 44-49.	0.7	13
78	Special issue dedicated to Riccardo Ferro. <i>Calphad: Computer Coupling of Phase Diagrams and Thermochemistry</i> , 2009, 33, 1-2.	0.7	0
79	Laves phases in the ternary systems Ti-{Pd, Pt}-Al. <i>Intermetallics</i> , 2009, 17, 336-342.	1.8	18
80	The Y-Cu-Mg system in the 0-66.7at.% Cu concentration range: The isothermal section at 400°C. <i>Intermetallics</i> , 2009, 17, 614-621.	1.8	35
81	On the four-phase reactions in the Ti-Ni-Al system. <i>Intermetallics</i> , 2009, 17, 1000-1006.	1.8	9
82	Formation of clathrates Ba-M-Ge (M = Mn, Fe, Co). <i>International Journal of Materials Research</i> , 2009, 100, 189-202.	0.1	19
83	Crystal chemical peculiarities of rare earth (R) rich magnesium intermetallic compounds in R-T-Mg (T) system. <i>Journal of Materials Research</i> , 2009, 20, 1074-1081.	0.2	20
84	Characterization of Fe-Zn-R (R = rare earth metal) crystalline alloys as electrocatalysts for hydrogen evolution. <i>International Journal of Hydrogen Energy</i> , 2008, 33, 2660-2667.	3.8	28
85	Isothermal section of the La-Ni-Zn system from 16.7 to 100at.% La at 400°C. <i>Intermetallics</i> , 2008, 16, 168-178.	1.8	10
86	Yb(Cu,T) ₅ and Yb(Cu,T) _{4.5} solid solutions (T=Ag, Au, Pd). <i>Intermetallics</i> , 2008, 16, 399-405.	1.8	12
87	The ternary system Yb-Cu-Mg: Isothermal section at 400°C in the range from 0 to 67at.% Cu. <i>Intermetallics</i> , 2008, 16, 1285-1291.	1.8	16
88	Constitutional properties of the La-Cu-Mg system at 400°C. <i>Journal of Alloys and Compounds</i> , 2007, 427, 134-141.	2.8	43
89	Investigation of the electrocatalytic behaviour of Fe-MM (MM=Mischmetal) crystalline alloys for hydrogen evolution reaction in alkaline medium. <i>Journal of Alloys and Compounds</i> , 2007, 431, 256-261.	2.8	9
90	Phase relationships of the La-Ni-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

#	ARTICLE	IF	CITATIONS
91	Influence of rare earths addition on the corrosion behaviour of Zn~5%Al (Galvan) alloy in neutral aerated sodium sulphate solution. <i>Electrochimica Acta</i> , 2007, 52, 7107-7114.	2.6	59
92	Crystallochemistry of the novel two-layer RECuMg ₄ (RE=La, Tb) ternary compounds. <i>Journal of Solid State Chemistry</i> , 2007, 180, 3066-3075.	1.4	23
93	Tb ₂ Ni ₂ Mg ₃ : a new structure type derived from the Ru ₃ Al ₂ B ₂ type. <i>Acta Crystallographica Section C: Crystal Structure Communications</i> , 2007, 63, i13-i16.	0.4	14
94	Crystal Structure Investigation of RE~Ni~Zn Ternary Compounds (RE = La, Ce, Tb). <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2007, 633, 482-489.	0.6	9
95	Controlling the Critical Temperature in Mg _{1-x} Al _x B ₂ . <i>Journal of Superconductivity and Novel Magnetism</i> , 2007, 20, 495-501.	0.8	11
96	X-ray Absorption Near Edge Structure (XANES) microscopy of phase separation in superconducting Mg _{1-x} Sc _x B ₂ . <i>Spectrochimica Acta, Part B: Atomic Spectroscopy</i> , 2007, 62, 717-719.	1.5	5
97	Atom order and thermodynamic properties of the ternary Laves phase Ti(Ti _y Ni _x Al _{1-x-y}) ₂ . <i>Zeitschrift Fur Kristallographie - Crystalline Materials</i> , 2006, 221, .	0.4	16
98	Structural, thermodynamic, and transport properties of Laves-phase ZrMn ₂ from x-ray and neutron diffraction and first principles. <i>Physical Review B</i> , 2006, 74, .	1.1	13
99	Electrochemical behaviour assessment of novel Mg-rich Mg~Al~RE alloys (RE=Ce, Er). <i>Intermetallics</i> , 2006, 14, 1487-1492.	1.8	89
100	Rare earth~copper~magnesium compounds RECu ₉ Mg ₂ (RE=Y, La~Nd, Sm~Ho, Yb) with ordered CeNi ₃ -type structure. <i>Journal of Solid State Chemistry</i> , 2006, 179, 3073-3081.	1.4	30
101	Structure and Kondo properties of the novel compound. <i>Physica B: Condensed Matter</i> , 2006, 378-380, 831-832.	1.3	5
102	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
103	Anomalous Thermal Expansion in Superconducting Mg _{1-x} Al _x B ₂ System. <i>Journal of Superconductivity and Novel Magnetism</i> , 2005, 18, 737-741.	0.5	4
104	Phase Relationships of the La~Ni~Mg System at 500 Å°C from 0 to 66.7 at.% Ni.. <i>ChemInform</i> , 2005, 36, no.	0.1	1
105	Binary phase diagrams of the rare earth metals with zinc: the Tb~Zn, Ho~Zn and Er~Zn systems. <i>International Journal of Materials Research</i> , 2005, 96, 1369-1379.	0.8	10
106	Ground state properties of the Y _b Cu _{5-x} Au _x (0<x% 1.8) solid solution. <i>Journal of Physics Condensed Matter</i> , 2005, 17, S877-S882.	0.7	6
107	The magnetic instability of Yb ₂ Pd ₂ (In,Sn) in a non-Fermi liquid environment. <i>Journal of Physics Condensed Matter</i> , 2005, 17, S999-S1009.	0.7	30
108	Partial phase diagrams of the Dy~Pt and Ho~Pt systems and electrocatalytic behaviour of the DyPt and HoPt phases. <i>Journal of Alloys and Compounds</i> , 2005, 391, 60-66.	2.8	25

#	ARTICLE	IF	CITATIONS
109	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
110	Electrocatalytic properties of Fe-R (R=rare earth metal) crystalline alloys as hydrogen electrodes in alkaline water electrolysis. Journal of Alloys and Compounds, 2005, 403, 275-282.	2.8	89
111	Effect of erbium addition on the corrosion behaviour of Mg-Al alloys. Intermetallics, 2005, 13, 55-60.	1.8	99
112	Substitution of Sc for Mg in MgB ₂ : Effects on transition temperature and Kohn anomaly. Physical Review B, 2004, 70, .	1.1	79
113	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
114	Advances in doping MgB ₂ : tuning the Fermi level to the δ -shape resonance by Sc substitution. Physica Status Solidi C: Current Topics in Solid State Physics, 2004, 1, 1832-1835.	0.8	0
115	Thermal analysis and alloy phase diagrams. Thermochimica Acta, 2004, 418, 23-32.	1.2	13
116	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
117	Gd(Mn _{1-x} In _x) ₂ : crystal structure and physical properties. Journal of Alloys and Compounds, 2004, 365, 58-67.	2.8	11
118	The Dy-Zn phase diagram. Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science, 2003, 34, 743-750.	1.1	0
119	The Dy-Zn phase diagram. Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science, 2003, 34, 743-750.	1.1	4
120	A survey of gold intermetallic chemistry. Gold Bulletin, 2003, 36, 39-50.	3.2	24
121	Crystal chemistry and thermoelectric properties of clathrates with rare-earth substitution. Physica B: Condensed Matter, 2003, 328, 44-48.	1.3	37
122	Novel thermoelectric skutterudites Sn ₂ Ni ₄ Sb _{12-x} Sn _x . Physica B: Condensed Matter, 2003, 328, 71-73.	1.3	7
123	Phase analysis of superconducting polycrystalline MgB ₂ . Micron, 2003, 34, 85-96.	1.1	32
124	The isothermal section at 750°C of the Ce-Pd-In system. Intermetallics, 2003, 11, 197-205.	1.8	28
125	Influence of the rare earth content on the electrochemical behaviour of Al-Mg-Er alloys. Intermetallics, 2003, 11, 435-441.	1.8	72
126	The Al-R-Mg (R=Gd, Dy, Ho) systems. Part I: experimental investigation. Intermetallics, 2003, 11, 1125-1134.	1.8	23

#	ARTICLE	IF	CITATIONS
127	The Al-R-Mg (R=Gd, Dy, Ho) systems. Part II: Thermodynamic modelling of the binary and ternary systems. <i>Intermetallics</i> , 2003, 11, 1135-1151.	1.8	89
128	A comparative investigation of isothermal sections of rare earth-Pd-In systems. <i>Intermetallics</i> , 2003, 11, 1237-1243.	1.8	15
129	The role of boron lattice expansion in superconducting diborides. <i>Intermetallics</i> , 2003, 11, 1339-1344.	1.8	3
130	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
131	EFFECTS OF THE Al CONTENT IN MgB ₂ : A RAMAN STUDY. <i>International Journal of Modern Physics B</i> , 2003, 17, 505-511.	1.0	2
132	X-RAY ABSORPTION STUDY OF Mg _{1-x} Al _x B ₂ AT B K-EDGE. <i>International Journal of Modern Physics B</i> , 2002, 16, 1619-1626.	1.0	3
133	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 . <i>Europhysics Letters</i> , 2002, 58, 278-284.	0.7	47
134	Structure and physical properties of the thermoelectric skutterudites EuyFe _{4-x} CoxSb ₁₂ . <i>Physical Review B</i> , 2002, 66, .	1.1	55
135	Scaling of the critical temperature with the Fermi temperature in diborides. <i>Physical Review B</i> , 2002, 65, .	1.1	83
136	A novel skutterudite phase in the Ni-Sb-Sn system: phase equilibria and physical properties. <i>Journal of Physics Condensed Matter</i> , 2002, 14, 7071-7090.	0.7	28
137	Alloying behavior of the rare earth metals with gold: the Ho-Au, Er-Au and Tm-Au systems. <i>Intermetallics</i> , 2002, 10, 903-913.	1.8	16
138	The Al-Er-Mg ternary system Part I: Experimental investigation. <i>Journal of Phase Equilibria and Diffusion</i> , 2002, 23, 29-37.	0.3	28
139	The Al-Er-Mg ternary system Part II: Thermodynamic modeling. <i>Journal of Phase Equilibria and Diffusion</i> , 2002, 23, 38-50.	0.3	53
140	Smith thermal analysis of selected Pr-Mg alloys. <i>Journal of Alloys and Compounds</i> , 2001, 317-318, 497-502.	2.8	15
141	Effect of Cu and Zn on the melting and transformation temperatures of Pr and Gd. <i>Journal of Alloys and Compounds</i> , 2001, 317-318, 503-512.	2.8	11
142	Electrochemical behavior of Au-Gd alloys. <i>Journal of Alloys and Compounds</i> , 2001, 317-318, 603-606.	2.8	3
143	Systematics of lanthanide and actinide compound formation: remarks on the americium alloying behaviour. <i>Journal of Alloys and Compounds</i> , 2001, 320, 326-340.	2.8	9
144	Constitution, structural chemistry and magnetism in the ternary system Ce-Ag-Si. <i>Journal of Alloys and Compounds</i> , 2001, 320, 308-319.	2.8	13

#	ARTICLE	IF	CITATIONS
145	Characterization and physical properties of the indides Yb ₂ T ₂ In (T=Cu, Pd, Au). Intermetallics, 2001, 9, 481-485.	1.8	28
146	Mg-Ce Alloys. Experimental investigation by Smith thermal analysis. Magyar Árvad Közlemények, 2001, 66, 47-57.	1.4	11
147	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
148	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
149	Effect of the Al content on the optical phonon spectrum in Mg _{1-x} Al _x B ₂ . Physical Review B, 2001, 65, .	1.1	99
150	Thermal conductivity of superconducting MgB ₂ . Journal of Physics Condensed Matter, 2001, 13, L487-L493.	0.7	60
151	The ternary system Ce-Si-Y. Journal of Alloys and Compounds, 2000, 297, 129-136.	2.8	4
152	The phase diagram of the terbium-gold alloy system. Intermetallics, 2000, 8, 229-237.	1.8	19
153	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
154	Constitution, structural chemistry, and magnetism of the ternary system Ce-Ag-Ge. Journal of Phase Equilibria and Diffusion, 1999, 20, 407-422.	0.3	15
155	Thermodynamic measurements and assessment of the Al-Sc system. Intermetallics, 1999, 7, 101-108.	1.8	101
156	The neodymium-gold phase diagram. Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science, 1999, 30, 1169-1176.	1.1	25
157	The isothermal section at 450°C of the Yb-Pr-Mg system. Intermetallics, 1999, 7, 909-916.	1.8	5
158	Contribution to the study of the alloys and intermetallic compounds of aluminium with the rare-earth metals. Intermetallics, 1998, 6, 201-215.	1.8	74
159	The praseodymium-gold system. Journal of Alloys and Compounds, 1997, 247, 134-140.	2.8	21
160	Alloying behavior of the rare earth metals with manganese. Powder Metallurgy and Metal Ceramics, 1997, 36, 117-127.	0.4	3
161	The Ce-Mg-Y system. Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science, 1997, 28, 265-276.	1.1	45
162	Phase equilibria investigation of the yttrium-gold system. Journal De Chimie Physique Et De Physico-Chimie Biologique, 1997, 94, 948-957.	0.2	10

#	ARTICLE	IF	CITATIONS
163	STRUCTURE OF INTERMETALLIC COMPOUNDS AND PHASES. , 1996, , 205-369.		6
164	On the magnetic and valence properties of Ce ^{II} -Mg ^{II} -Y compounds. Journal of Alloys and Compounds, 1996, 240, 116-123.	2.8	9
165	Phase equilibria in the Gd ^{II} -Au system. Intermetallics, 1996, 4, 111-119.	1.8	26
166	Inverse melting in binary systems: Morphology and microscopy of catatectic alloys. Metallurgical and Materials Transactions B: Process Metallurgy and Materials Processing Science, 1996, 27, 979-986.	1.0	17
167	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
168	The interpolated Tm ^{II} -Mg phase diagram. Journal of Alloys and Compounds, 1995, 220, 161-166.	2.8	19
169	Phase relationships at 500 Å°C in the Y ^{II} -Pr ^{II} -Mg system. Journal of Alloys and Compounds, 1995, 220, 167-173.	2.8	14
170	Enthalpies of formation of solid Sm ^{II} -Al alloys. Journal of Alloys and Compounds, 1995, 220, 122-125.	2.8	22
171	Comment on Al-Tb (aluminum-terbium). Journal of Phase Equilibria and Diffusion, 1994, 15, 125-125.	0.3	2
172	Comment on Ho-Mg (holmium-magnesium). Journal of Phase Equilibria and Diffusion, 1994, 15, 128-128.	0.3	3
173	Isothermal section from 50 to 75 at.% Mg of the ternary system Y ^{II} -La ^{II} -Mg. Journal of Alloys and Compounds, 1994, 203, 177-180.	2.8	22
174	Contribution to the evaluation of rare earth alloy systems. Journal of Phase Equilibria and Diffusion, 1993, 14, 273-279.	0.3	39
175	Magnesium-rare earth phase diagrams: Experimental investigation of the Ho-Mg system. Journal of Phase Equilibria and Diffusion, 1993, 14, 280-287.	0.3	25
176	Experimental investigation of the Tb-Mg phase diagram. Journal of Phase Equilibria and Diffusion, 1993, 14, 479-484.	0.3	20
177	A contribution to the rare earth intermetallic chemistry: Praseodymium-magnesium alloy system. Intermetallics, 1993, 1, 151-158.	1.8	27
178	Phase equilibria of the Nd ^{II} -Sn system in the 55-80 at.% Sn range. Journal of Alloys and Compounds, 1993, 201, L9-L11.	2.8	20
179	Thermal analysis in the ternary Nd ^{II} -Mn ^{II} -Sn system. Journal of Alloys and Compounds, 1993, 201, L13.	2.8	1
180	Computer coupling of thermodynamics and phase diagrams: the gadolinium-magnesium system as an example. Thermochimica Acta, 1992, 199, 17-24.	1.2	46

#	ARTICLE	IF	CITATIONS
181	Phase equilibria in the binary rare-earth alloys: The erbium-magnesium system. Metallurgical and Materials Transactions A - Physical Metallurgy and Materials Science, 1992, 23, 1005-1012.	1.4	37
182	Phase relationships in the neodymium-magnesium alloy system. Metallurgical and Materials Transactions A - Physical Metallurgy and Materials Science, 1990, 21, 2109-2114.	1.4	111
183	Chemical criteria for equilibria forecasts: Promethium alloying behaviour as an example. Calphad: Computer Coupling of Phase Diagrams and Thermochemistry, 1990, 14, 151-161.	0.7	15
184	The samarium-magnesium system: A phase diagram. Journal of the Less Common Metals, 1989, 154, 47-60.	0.9	48
185	A contribution to the yttrium alloying systematics: The yttrium-thallium system. Journal of the Less Common Metals, 1989, 154, 99-107.	0.9	4
186	Heat content of magnesium-lead alloys. Journal of the Less Common Metals, 1989, 154, 109-113.	0.9	20
187	Rare earth alloying systematics: Thallium alloys, a review. Journal of the Less Common Metals, 1988, 143, 1-23.	0.9	21
188	The binary phase diagrams of thallium with gadolinium, terbium and dysprosium. Journal of the Less Common Metals, 1988, 136, 249-259.	0.9	7
189	Alloying behaviour of manganese with basic metals: Pr ^{III} -Mn system. Journal of the Less Common Metals, 1985, 108, 89-105.	0.9	23
190	Alloying behaviour of indium with rare earths. Journal of the Less Common Metals, 1984, 102, 289-310.	0.9	54
191	Thallium alloys of the rare earth: Sm-Tl Phase diagram and molar volumes of the rare earth thallides. Zeitschrift Fur Anorganische Und Allgemeine Chemie, 1983, 503, 184-192.	0.6	9
192	Phase equilibria in the Sm-In system. Journal of the Less Common Metals, 1982, 84, 281-289.	0.9	7
193	Phase equilibria in the Pr-Tl system. Journal of the Less Common Metals, 1981, 79, 47-55.	0.9	12
194	The R ₃ In ₅ and R ₃ Tl ₅ phases of the rare earths. Journal of the Less Common Metals, 1981, 81, 45-53.	0.9	35
195	DTA application in researches on phase equilibria in alloy systems. Thermochemica Acta, 1979, 28, 113-119.	1.2	11
196	Phase equilibria in the praseodymium-indium system. Journal of the Less Common Metals, 1979, 65, 181-190.	0.9	17
197	Heats of formation of lanthanum-antimony alloys. Journal of the Less Common Metals, 1979, 65, 253-262.	0.9	31
198	Phase equilibria in the neodymium-thallium system. Journal of the Less Common Metals, 1978, 59, 69-78.	0.9	14

#	ARTICLE	IF	CITATIONS
199	Heats of formation of yttrium-antimony alloys. <i>Journal of the Less Common Metals</i> , 1977, 52, 123-128.	0.9	17
200	The ZrAlPt ₂ and HfAlPt ₂ phases. <i>Journal of the Less Common Metals</i> , 1975, 40, 251-252.	0.9	8