

Susan V Meschel

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51
papers

1,382
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23
h-index

35
g-index

53
ext. papers

1,463
ext. citations

5.1
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4.45
L-index

#	Paper	IF	Citations
51	Thermochemistry of alloys of transition metals and lanthanide metals with some IIIB and IVB elements in the periodic table. <i>Journal of Alloys and Compounds</i> , 2001 , 321, 183-200	5.7	97
50	Standard enthalpies of formation of 4d aluminides by direct synthesis calorimetry. <i>Journal of Alloys and Compounds</i> , 1993 , 191, 111-116	5.7	94
49	Standard enthalpies of formation of some 3d transition metal carbides by high temperature reaction calorimetry. <i>Journal of Alloys and Compounds</i> , 1997 , 257, 227-233	5.7	90
48	Standard enthalpies of formation of some 4d transition metal silicides by high temperature direct synthesis calorimetry. <i>Journal of Alloys and Compounds</i> , 1998 , 274, 193-200	5.7	84
47	Standard enthalpies of formation of some 3d transition metal silicides by high temperature direct synthesis calorimetry. <i>Journal of Alloys and Compounds</i> , 1998 , 267, 128-135	5.7	83
46	Standard enthalpies of formation of 5d aluminides by high-temperature direct synthesis calorimetry. <i>Journal of Alloys and Compounds</i> , 1993 , 197, 75-81	5.7	59
45	First-principles studies of structural stabilities and enthalpies of formation of refractory intermetallics: TM and TM ₃ (Ti, Zr, Hf; M, Ru, Rh, Pd, Os, Ir, Pt). <i>Intermetallics</i> , 2012 , 28, 16-24	3.5	56
44	Standard enthalpies of formation of some 5d transition metal silicides by high temperature direct synthesis calorimetry. <i>Journal of Alloys and Compounds</i> , 1998 , 280, 231-239	5.7	46
43	Standard enthalpies of formation of some 3d, 4d and 5d transition-metal stannides by direct synthesis calorimetry. <i>Thermochimica Acta</i> , 1998 , 314, 205-212	2.9	43
42	Standard enthalpies of formation of some borides of Ce, Pr, Nd and Gd by high-temperature reaction calorimetry. <i>Journal of Alloys and Compounds</i> , 1995 , 221, 37-41	5.7	33
41	The standard enthalpies of formation of some intermetallic compounds of transition metals by high temperature direct synthesis calorimetry. <i>Journal of Alloys and Compounds</i> , 2006 , 415, 143-149	5.7	30
40	Thermochemistry of some binary alloys of noble metals (Cu, Ag, Au) and transition metals by high temperature direct synthesis calorimetry. <i>Journal of Alloys and Compounds</i> , 2003 , 350, 205-212	5.7	30
39	Standard enthalpies of formation of some carbides, silicides and germanides of cerium and praseodymium. <i>Journal of Alloys and Compounds</i> , 1995 , 220, 88-93	5.7	30
38	Standard enthalpies of formation of some refractory borides of 4d and 5d elements from high-temperature direct synthesis calorimetry. <i>Journal De Chimie Physique Et De Physico-Chimie Biologique</i> , 1993 , 90, 349-354		29
37	Standard enthalpies of formation of some transition metal indium compounds by high temperature direct synthesis calorimetry. <i>Journal of Alloys and Compounds</i> , 2002 , 333, 91-98	5.7	28
36	Standard enthalpies of formation of some neodymium and gadolinium carbides, silicides and germanides by high-temperature direct-synthesis calorimetry. <i>Journal of Alloys and Compounds</i> , 1995 , 217, 235-239	5.7	27
35	Standard enthalpies of formation of some rare earth carbides by direct synthesis calorimetry. <i>Journal of Alloys and Compounds</i> , 1994 , 205, 165-168	5.7	27

34	The standard enthalpies of formation of binary intermetallic compounds of some late 4d and 5d transition metals by high temperature direct synthesis calorimetry. <i>Journal of Alloys and Compounds</i> , 2010 , 492, 105-115	5.7	25
33	Standard enthalpies of formation of some 3d transition metal gallides by high temperature direct synthesis calorimetry. <i>Journal of Alloys and Compounds</i> , 1999 , 290, 150-156	5.7	25
32	Standard enthalpies of formation of some rare earth stannides by high temperature direct synthesis calorimetry. <i>Journal of Alloys and Compounds</i> , 1996 , 238, 180-186	5.7	25
31	Standard enthalpies of formation of some lutetium alloys by high-temperature direct synthesis calorimetry. <i>Journal of Alloys and Compounds</i> , 1995 , 224, 345-350	5.7	24
30	The standard enthalpies of formation of some binary intermetallic compounds of lanthanide-iron systems by high temperature direct synthesis calorimetry. <i>Journal of Alloys and Compounds</i> , 2013 , 554, 232-239	5.7	23
29	Thermochemistry of some binary alloys of gold with the lanthanide metals by high temperature direct synthesis calorimetry. <i>Journal of Alloys and Compounds</i> , 2004 , 363, 242-247	5.7	23
28	Standard enthalpies of formation of some carbides, silicides, germanides, stannides and borides of Dysprosium by high temperature direct synthesis calorimetry. <i>Journal of Alloys and Compounds</i> , 1996 , 233, 272-278	5.7	22
27	Determination of the standard enthalpies of formation of Pd ₂ Ga and PdGa by high-temperature direct synthesis calorimetry. <i>Thermochemica Acta</i> , 1997 , 292, 13-17	2.9	21
26	Standard enthalpies of formation of some 4d transition metal gallides by high temperature direct synthesis calorimetry. <i>Journal of Alloys and Compounds</i> , 2000 , 297, 162-167	5.7	20
25	Standard enthalpies of formation of some lanthanide gallides by high temperature direct synthesis calorimetry. <i>Journal of Alloys and Compounds</i> , 2001 , 319, 204-209	5.7	20
24	Standard enthalpies of formation of some carbides, silicides, germanides and stannides of samarium by high temperature direct synthesis calorimetry. <i>Journal of Alloys and Compounds</i> , 1996 , 243, 186-193	5.7	20
23	Standard enthalpies of formation of some carbides, silicides, germanides, stannides and borides of terbium determined by high temperature direct synthesis calorimetry. <i>Journal of Alloys and Compounds</i> , 1996 , 234, 137-142	5.7	19
22	Standard enthalpies of formation of some thulium alloys by high temperature direct synthesis calorimetry.. <i>Journal of Alloys and Compounds</i> , 1999 , 285, 179-184	5.7	18
21	Standard enthalpies of formation of some borides of Ce, Pr, Nd and Gd by high-temperature reaction calorimetry. <i>Journal of Alloys and Compounds</i> , 1995 , 226, 243-247	5.7	18
20	Recent thermochemical studies of the binary alloys of Er with group IVB elements by high temperature direct synthesis calorimetry. <i>Journal De Chimie Physique Et De Physico-Chimie Biologique</i> , 1997 , 94, 928-938		18
19	Standard enthalpies of formation of some carbides, silicides, germanides and borides of holmium by high temperature direct synthesis calorimetry. <i>Journal of Alloys and Compounds</i> , 1997 , 247, 52-56	5.7	17
18	Thermochemistry of some binary alloys of copper with the lanthanide metals by high-temperature direct synthesis calorimetry. <i>Journal of Alloys and Compounds</i> , 2005 , 388, 91-97	5.7	17
17	The standard enthalpies of formation of some intermetallic compounds of early 4d and 5d transition metals by high temperature direct synthesis calorimetry. <i>Calphad: Computer Coupling of Phase Diagrams and Thermochemistry</i> , 2009 , 33, 55-62	1.9	16

16	Standard enthalpies of formation of AlB ₁₂ and Al ₄ C ₃ by high temperature direct synthesis calorimetry. <i>Journal of Alloys and Compounds</i> , 1995 , 227, 93-96	5-7	16
15	Thermochemistry of some binary alloys of silver with the lanthanide metals by high temperature direct synthesis calorimetry. <i>Journal of Alloys and Compounds</i> , 2004 , 376, 73-78	5-7	15
14	Thermochemistry of some binary alloys of Samarium with the noble metals (Cu, Ag, Au) by high temperature direct synthesis calorimetry. <i>Journal of Alloys and Compounds</i> , 2006 , 416, 93-97	5-7	14
13	Enthalpies of formation of refractory borides of 5d elements by high temperature direct synthesis calorimetry I. IrB _{1.35} and OsB _{2.5} . <i>Journal of Alloys and Compounds</i> , 1991 , 177, 159-166	5-7	13
12	Standard enthalpies of formation of some Lanthanide-Cobalt binary alloys by high temperature direct synthesis calorimetry. <i>Journal of Alloys and Compounds</i> , 2013 , 578, 465-470	5-7	10
11	Standard enthalpies of formation of some 5d transition metal gallides by high-temperature direct synthesis calorimetry. <i>Journal of Alloys and Compounds</i> , 2000 , 311, 241-247	5-7	10
10	The thermochemical behavior of some binary shape memory alloys by high temperature direct synthesis calorimetry. <i>Journal of Alloys and Compounds</i> , 2011 , 509, 5256-5262	5-7	9
9	Redetermination of the standard enthalpy of formation of Lu ₅ Ge ₃ by high temperature, direct synthesis calorimetry. <i>Journal of Alloys and Compounds</i> , 1996 , 245, L28-L29	5-7	9
8	Note on the standard enthalpies of formation of Ta ₅ Ge ₃ and OsGe ₂ by direct synthesis calorimetry. <i>Journal of Alloys and Compounds</i> , 1994 , 216, L13-L15	5-7	7
7	Thermochemistry of some binary lead and transition metal compounds by high temperature direct synthesis calorimetry. <i>Journal of Alloys and Compounds</i> , 2015 , 633, 183-187	5-7	5
6	Standard enthalpies of formation of some lanthanide indium compounds by high temperature direct synthesis calorimetry. <i>Journal of Alloys and Compounds</i> , 2002 , 337, 115-119	5-7	5
5	A brief history of heat measurements by calorimetry with emphasis on the thermochemistry of metallic and metal-nonmetal compounds. <i>Calphad: Computer Coupling of Phase Diagrams and Thermochemistry</i> , 2020 , 68, 101714	1-9	4
4	A Modern Dilemma for Chemistry and Civic Responsibility: The Tragic Life of Clara Immerwahr. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2012 , 638, 603-609	1-3	3
3	Thermochemistry of some Zinc-Transition metal(TM) compounds and some Bismuth-TM compounds by high temperature direct synthesis calorimetry. <i>Calphad: Computer Coupling of Phase Diagrams and Thermochemistry</i> , 2019 , 64, 131-138	1-9	3
2	The thermochemistry of some 5:3 binary lanthanide-lead compounds by high temperature direct synthesis calorimetry. <i>Journal of Alloys and Compounds</i> , 2016 , 656, 88-93	5-7	1
1	Enthalpies of formation of some 3d Transition Metal-Antimony compounds by high temperature direct synthesis calorimetry. <i>Journal of Alloys and Compounds</i> , 2020 , 849, 156621	5-7	