Carlos G Levi

List of Publications by Year in Descending Order

143 papers	7,457 citations	50 h-index	82 g-index
147 ext. papers	8,418 ext. citations	4.6 avg, IF	6.15 L-index

#	Paper	IF	Citations
143	Vapor-mediated melt infiltration for synthesizing SiC composite matrices. *Journal of the American Ceramic Society*, **2021**, 104, 3833-3844	3.8	
142	Dissolution and diffusion kinetics of yttria-stabilized zirconia into molten silicates. *Journal of the European Ceramic Society*, **2021**, 41, 1984-1994	6	7
141	Thermochemistry and phase stability of the polymorphs of yttrium tantalate, YTaO4. *Journal of the European Ceramic Society*, **2021**, 41, 1629-1638	6	6
140	Reactive crystallization in HfO2 exposed to molten silicates. *Journal of the European Ceramic Society*, **2021**, 41, 5686-5695	6	3
139	Accelerated discovery of oxidation resistant CoNi-base □ alloys with high L12 solvus and low density. *Materials and Design*, **2020**, 189, 108445	8.1	25
138	A computational modeling framework for reaction and failure of environmental barrier coatings under silicate deposits. *Journal of the American Ceramic Society*, **2020**, 103, 5196-5213	3.8	9
137	Microstructure evolution and physical properties of ZrO2-(Y + Yb)O1.5-TaO2.5 thermal barrier coatings. *Surface and Coatings Technology*, **2020**, 389, 125648	4.4	2
136	Interactions between zirconia□yttria□tantala thermal barrier oxides and silicate melts. *Acta Materialia*, **2020**, 185, 171-180	8.4	7
135	Reactions of molten silicate deposits with yttrium monosilicate. *Journal of the American Ceramic Society*, **2020**, 103, 2919-2932	3.8	15
134	Enthalpies of formation of the solid solutions of ZrxY0.5□/2Ta0.5□/2O2 (0 □ x □ 0.2 and 0.65 □ x □ 1). *Journal of Materials Research*, **2019**, 34, 3343-3350	2.5	2
133	Oxidation Behavior Across Composition Space Relevant to Co-based □ Alloys. *Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science*, **2019**, 50, 5445-5458	2.3	14
132	Rapid Assessment of Oxidation Behavior in Co-Based □ Alloys. *Oxidation of Metals*, **2018**, 90, 485-498	1.6	21
131	Interaction of yttrium disilicate environmental barrier coatings with calcium-magnesium-iron alumino-silicate melts. *Acta Materialia*, **2018**, 145, 451-461	8.4	45
130	Phase equilibria in the zirconia□yttria/gadolinia□silica systems. *Journal of the European Ceramic Society*, **2018**, 38, 3286-3296	6	7
129	Sub-solidus phase equilibria in the YO1.5-TaO2.5 system. *Journal of the European Ceramic Society*, **2018**, 38, 4786-4798	6	12
128	Phase equilibria in the ZrO2-YO1.5-TaO2.5 system at 1250 °C. *Journal of the European Ceramic Society*, **2018**, 38, 4523-4532	6	13
127	Crystallography and substitution patterns in the ZrO2□TaO4 system. *Physical Review Materials*, **2018**, 2,	3.2	7

126	Roles of composition and temperature in silicate deposit-induced recession of yttrium disilicate. *Acta Materialia*, **2018**, 160, 34-46	8.4	27
125	Phase equilibria in the calcia-gadolinia-silica system. *Journal of Alloys and Compounds*, **2017**, 695, 1397-1404	3.7	19
124	Water Vapor Effects on the CMAS Degradation of Thermal Barrier Coatings. *Oxidation of Metals*, **2017**, 88, 73-85	1.6	7
123	Silicate Deposit Degradation of Engineered Coatings in Gas Turbines: Progress Toward Models and Materials Solutions. *Annual Review of Materials Research*, **2017**, 47, 297-330	12.8	112
122	Response of molten silicate infiltrated Gd2Zr2O7 thermal barrier coatings to temperature gradients. *Acta Materialia*, **2017**, 132, 538-549	8.4	27
121	The role of ceramic and glass science research in meeting societal challenges: Report from an NSF-sponsored workshop. *Journal of the American Ceramic Society*, **2017**, 100, 1777-1803	3.8	17
120	Influence of a silicon-bearing film on the early stage oxidation of pure titanium. *Journal of Materials Science*, **2017**, 52, 9884-9894	4.3	1
119	Reactive alloy melt infiltration for SiC composite matrices: Mechanistic insights. *Journal of the American Ceramic Society*, **2017**, 100, 5471-5481	3.8	5
118	Phase equilibria in the ZrO2-YO1.5-TaO2.5 system at 1500 °C. *Journal of the European Ceramic Society*, **2017**, 37, 4888-4901	6	30
117	Selective active oxidation in hafnium boride-silicon carbide composites above 2000 °C. *Journal of the European Ceramic Society*, **2016**, 36, 3697-3707	6	16
116	Influence of Yb:Hf Ratio on Ytterbium Hafnate/Molten Silicate (CMAS) Reactivity. *Journal of the American Ceramic Society*, **2016**, 99, 651-659	3.8	21
115	Molten silicate reactions with plasma sprayed ytterbium silicate coatings. *Surface and Coatings Technology*, **2016**, 288, 151-162	4.4	69
114	Phase equilibria and crystal chemistry in the calcia-silica-yttria system. *Journal of the European Ceramic Society*, **2016**, 36, 1743-1754	6	24
113	Microstructure Evolution of Biphasic TiNi1+x Sn Thermoelectric Materials. *Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science*, **2016**, 47, 4116-4127	2.3	9
112	Equilibrium relationships between thermal barrier oxides and silicate melts. *Acta Materialia*, **2016**, 120, 302-314	8.4	54
111	Interaction of molten silicates with thermal barrier coatings under temperature gradients. *Acta Materialia*, **2015**, 89, 396-407	8.4	55
110	The thermal behavior of CMAS-infiltrated thermal barrier coatings. *Surface and Coatings Technology* , **2015**, 272, 350-356	4.4	37
109	Stability and CMAS Resistance of Ytterbium-Silicate/Hafnate EBCs/TBC for SiC Composites. *Journal of the American Ceramic Society*, **2015**, 98, 278-286	3.8	65

108	Melting and Crystallization of Silicate Systems Relevant to Thermal Barrier Coating Damage. *Journal of the American Ceramic Society*, **2015**, 98, 1642-1649	3.8	44
107	Microstructure evolution of ZrO2–YbTaO4 thermal barrier coatings. *Acta Materialia*, **2015**, 96, 133-142	8.4	25
106	Effects of cation substitution and temperature on the interaction between thermal barrier oxides and molten CMAS. *Journal of the European Ceramic Society*, **2015**, 35, 681-691	6	67
105	In Situ Diffraction Study of the High-Temperature Decomposition of t?-Zirconia. *Journal of the American Ceramic Society*, **2015**, 98, 247-254	3.8	22
104	Molten silicate interactions with thermal barrier coatings. *Surface and Coatings Technology*, **2014**, 251, 74-86	4.4	60
103	Thermal conductivity of single- and multi-phase compositions in the ZrO2–Y2O3–Ta2O5 system. *Journal of the European Ceramic Society*, **2014**, 34, 3085-3094	6	72
102	Ferroelastic switching of doped zirconia: Modeling and understanding from first principles. *Physical Review B*, **2014**, 90,	3.3	20
101	Turbine Materials and Mechanics **2014**, 495-553		1
100	Engineered Coatings for Ni Alloys in High Temperature Reactors. *Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science*, **2013**, 44, 835-847	2.3	10
99	Opportunities for improved TBC durability in the CeO2–TiO2–ZrO2 system. *Surface and Coatings Technology*, **2013**, 221, 44-52	4.4	25
98	Yttrium Bearing Silicon Carbide Matrices for Robust Ceramic Composites. *Journal of the American Ceramic Society*, **2013**, 96, 1300-1308	3.8	10
97	Thermochemical compatibility of ytterbia–(hafnia/silica) multilayers for environmental barrier coatings. *Acta Materialia*, **2013**, 61, 6743-6755	8.4	50
96	Phase Evolution upon Aging of Air-Plasma Sprayed t?-Zirconia Coatings: II. Synchrotron X-Ray Diffraction. *Journal of the American Ceramic Society*, **2013**, 96, 290-298	3.8	61
95	Phase Evolution upon Aging of Air Plasma Sprayed t?-Zirconia Coatings: II. Microstructure Evolution. *Journal of the American Ceramic Society*, **2013**, 96, 299-307	3.8	49
94	Thermal barrier coating toughness: Measurement and identification of a bridging mechanism enabled by segmented microstructure. *Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing*, **2013**, 564, 324-330	5.3	36
93	Challenges in Ceramic Science: A Report from the Workshop on Emerging Research Areas in Ceramic Science. *Journal of the American Ceramic Society*, **2012**, 95, 3699-3712	3.8	51
92	Environmental degradation of thermal-barrier coatings by molten deposits. *MRS Bulletin*, **2012**, 37, 932-941	3.1	306
91	Phase Stability of t?-Zirconia-Based Thermal Barrier Coatings: Mechanistic Insights. *Journal of the American Ceramic Society*, **2011**, 94, s168-s177	3.8	87

90	Effect of Yttria Content on the Zirconia Unit Cell Parameters. *Journal of the American Ceramic Society*, **2011**, 94, 4548-4555	3.8	68
89	Bimetallic low thermal-expansion panels of Co-base and silicide-coated Nb-base alloys for high-temperature structural applications. *Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing*, **2011**, 528, 3973-3980	5.3	19
88	Calcium Magnesium Alumino-Silicate Interaction with Yttrium Monosilicate Environmental Barrier Coatings. *Journal of the American Ceramic Society*, **2010**, 93, 3504-3511	3.8	71
87	Low thermal conductivity without oxygen vacancies in equimolar YO1.5+TaO2.5- and YbO1.5+TaO2.5-stabilized tetragonal zirconia ceramics. *Acta Materialia*, **2010**, 58, 4424-4431	8.4	71
86	Vapor deposited samarium zirconate thermal barrier coatings. *Surface and Coatings Technology*, **2009**, 203, 3157-3167	4.4	42
85	The influence of oxides on the performance of advanced gas turbines. *Journal of the European Ceramic Society*, **2008**, 28, 1405-1419	6	364
84	Phase equilibria in the TiO2 YO1.5 ZrO2 system. *Journal of the European Ceramic Society*, **2008**, 28, 2509-2520	6	53
83	Detection of a marker layer in a 7YSZ thermal barrier coating by femtosecond laser-induced breakdown spectroscopy. *Surface and Coatings Technology*, **2008**, 202, 3940-3946	4.4	6
82	Mechanisms of cracking and delamination within thick thermal barrier systems in aero-engines subject to calcium-magnesium-alumino-silicate (CMAS) penetration. *Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing*, **2008**, 490, 26-35	5.3	171
81	Infiltration-Inhibiting Reaction of Gadolinium Zirconate Thermal Barrier Coatings with CMAS Melts. *Journal of the American Ceramic Society*, **2008**, 91, 576-583	3.8	261
80	Opportunities for TBCs in the ZrO2 YO1.5 TaO2.5 system. *Surface and Coatings Technology*, **2007**, 201, 6044-6050	4.4	103
79	Hybrid intermetallic Ru/Pt-modified bond coatings for thermal barrier systems. *Surface and Coatings Technology*, **2007**, 202, 349-361	4.4	31
78	CMAS degradation of environmental barrier coatings. *Surface and Coatings Technology*, **2007**, 202, 653-657	4.4	90
77	17O NMR studies of local structure and phase evolution for materials in the Y2Ti2O7 ZrTiO4 binary system. *Journal of Solid State Chemistry*, **2007**, 180, 2175-2185	3.3	6
76	A Method for Coating Fibers in Oxide Composites. *Journal of the American Ceramic Society*, **2007**, 90, 1331-1333	3.8	3
75	Toughening of Nontransformable t?-YSZ by Addition of Titania. *Journal of the American Ceramic Society*, **2007**, 90, 070926022312003-???	3.8	11
74	Phase stability of thermal barrier oxides: A comparative study of Y and Yb additions. *International Journal of Materials Research*, **2007**, 98, 1177-1187	0.5	30
73	Oxidation and Volatilization of Silicide Coatings for Refractory Niobium Alloys **2007**, 261		4

72	Extended solubility of CoO in ZnO and effects on magnetic properties. *Journal of Materials Research*, **2006**, 21, 791-801	2.5	11
71	Thermochemical Interaction of Thermal Barrier Coatings with Molten CaO–MgO–Al2O3–SiO2 (CMAS) Deposits. *Journal of the American Ceramic Society*, **2006**, 89, 3167-3175	3.8	341
70	Hydrothermal epitaxy of KNbO3 thin films and nanostructures. *Journal of Crystal Growth*, **2006**, 286, 457-464	1.6	55
69	Phase selection in precursor-derived yttrium aluminum garnet and related Al2O3–Y2O3 compositions. *Journal of Materials Research*, **2005**, 20, 1017-1025	2.5	34
68	Phase evolution in the YO1.5–TiO2–ZrO2 system around the pyrochlore region. *Acta Materialia*, **2005**, 53, 2957-2968	8.4	10
67	Thermochemical compatibility between alumina and ZrO2–GdO3/2 thermal barrier coatings. *Acta Materialia*, **2005**, 53, 3281-3292	8.4	138
66	Shear band formation in columnar thermal barrier oxides. *Acta Materialia*, **2005**, 53, 3765-3773	8.4	12
65	Microstructure Evolution of ZrO2-(Fe2O3, Al2O3) Materials Synthesized with Solution Precursors. *Journal of the American Ceramic Society*, **2005**, 80, 1684-1690	3.8	23
64	Processing and Performance of an All-Oxide Ceramic Composite. *Journal of the American Ceramic Society*, **2005**, 81, 2077-2086	3.8	170
63	Controlling Mechanical Properties of Porous Mullite/Alumina Mixtures Via Precursor-Derived Alumina. *Journal of the American Ceramic Society*, **2005**, 88, 367-375	3.8	33
62	Effects of Combustor Rig Exposure on a Porous-Matrix Oxide Composite. *International Journal of Applied Ceramic Technology*, **2005**, 2, 133-140	2	36
61	A kinetic Monte Carlo simulation of film growth by physical vapor deposition on rotating substrates. *Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing*, **2005**, 391, 390-401	5.3	36
60	Metastable Phase Evolution in TiO2-YO3/2-ZrO2. *Materials Research Society Symposia Proceedings*, **2004**, 835, K3.11.1		1
59	Metastability of the Fluorite, Pyrochlore, and Perovskite Structures in the PbO–ZrO2–TiO2 System. *Journal of the American Ceramic Society*, **2004**, 83, 873-881	3.8	64
58	A probe for the high temperature deformation of thermal barrier oxides. *Acta Materialia*, **2004**, 52, 1479–1487		48
57	Emerging materials and processes for thermal barrier systems. *Current Opinion in Solid State and Materials Science*, **2004**, 8, 77-91	12	479
56	Application of Metastable Phase Diagrams to Silicate Thin Films for Alternative Gate Dielectrics. *Japanese Journal of Applied Physics*, **2003**, 42, 3593-3597	1.4	70
55	Synthesis and characterization of nanocrystalline Cu–Al coatings. *Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing*, **2003**, 347, 231-242	5.3	8

54	Microstructure and texture of EB-PVD TBCs grown under different rotation modes. *Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing*, **2003**, 360, 319-329	5.3	113
53	Alumina Grown during Deposition of Thermal Barrier Coatings on NiCrAlY. *Journal of the American Ceramic Society*, **2003**, 86, 676-85	3.8	83
52	Phase stability of Y + Gd Co-Doped Zirconia. *International Journal of Materials Research*, **2003**, 94, 163-170		42
51	Hydrothermal synthesis of KNbO3 and NaNbO3 powders. *Journal of Materials Research*, **2003**, 18, 338-345	2.5	153
50	A model study of displacement instabilities during cyclic oxidation. *Acta Materialia*, **2002**, 50, 1263-1273	8.4	72
49	Hydrothermal epitaxy of KtaO3 thin films. *Journal of Materials Research*, **2002**, 17, 2852-2858	2.5	30
48	Hydrothermal synthesis of perovskite and pyrochlore powders of potassium tantalate. *Journal of Materials Research*, **2002**, 17, 3168-3176	2.5	69
47	Effects of Matrix Porosity on the Mechanical Properties of a Porous-Matrix, All-Oxide Ceramic Composite. *Journal of the American Ceramic Society*, **2001**, 84, 2594-2602	3.8	82
46	Distributed Porosity as a Control Parameter for Oxide Thermal Barriers Made by Physical Vapor Deposition. *Journal of the American Ceramic Society*, **2001**, 84, 2937-2946	3.8	129
45	Deformation behavior of model MMC scarf joints. *Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing*, **2000**, 281, 113-125	5.3	2
44	Effect of geometry on the performance of model metal matrix composite joints and transitions. *Journal of Materials Engineering and Performance*, **2000**, 9, 643-648	1.6	1
43	Recent advances in oxide-oxide composite technology. *Advanced Composite Materials*, **1999**, 8, 17-23	2.8	19
42	Metastability and microstructure evolution in the synthesis of inorganics from precursors11Paper presented at Sympos. Synergistic Synthesis of Inorganic Materials, March 1996, Schlo□Ringberg, Germany.. *Acta Materialia*, **1998**, 46, 787-800	8.4	74
41	Solidification paths and carbide morphologies in melt-processed MoSi2-SiC In Situ composites. *Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science*, **1997**, 28, 1889-1900	2.3	5
40	Interfaces in MoSi2-SiC In Situ composites synthesized by melt processing. *Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science*, **1997**, 28, 1901-1911	2.3	5
39	THE ROLE OF SCARF ANGLE IN THE PERFORMANCE OF ALUMINUM MATRIX COMPOSITE JOINTS. *Acta Materialia*, **1997**, 45, 2765-2775	8.4	10
38	Crystallization Behavior and Microstructure Evolution of (Al,Fe)2O3 Synthesized from Liquid Precursors. *Journal of the American Ceramic Society*, **1996**, 79, 1745-1755	3.8	38
37	Crystallization behavior of Li1□x Ta1+xO3 glasses synthesized from liquid precursors. *Journal of Materials Research*, **1996**, 11, 2376-2387	2.5	19

36	Early Stages of Composite Formation by Oxidation ofLiquid Aluminum Alloys. *Journal of the American Ceramic Society*, **1995**, 78, 609-622	3.8	17
35	Development of Nano-Composite Microstructures in ZrO2-Al2O3 via the Solution Precursor Method. *Journal of the American Ceramic Society*, **1995**, 78, 1489-1494	3.8	50
34	Novel oxide-dispersion-strengthened copper alloys from rapidly solidified precursors: Part 1. Microstructural development. *Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science*, **1995**, 26, 859-871	2.3	10
33	Novel oxide-dispersion-strengthened copper alloys from rapidly solidified precursors: Part 2. Creep behavior. *Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science*, **1995** , 26, 873-881	2.3	19
32	Low temperature/low pressure hydrothermal synthesis of barium titanate: Powder and heteroepitaxial thin films. *Journal of Materials Research*, **1995**, 10, 1784-1789	2.5	80
31	The strength of metal-matrix composite joints. *Acta Metallurgica Et Materialia*, **1995**, 43, 3361-3373		6
30	Evolution of a metastable FCC solid solution during sputter deposition of Ti?Al?B alloys. *Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing*, **1995**, 202, 188-192	5.3	4
29	Diffusion limited crystallization and phase partitioning in ZrO2-metal oxide binary systems. *Journal of Sol-Gel Science and Technology*, **1994**, 2, 317-321	2.3	21
28	Metastable Phase Selection and Partitioning for Zr(1⊠)AlxO(2⊠/2) Materials Synthesized with Liquid Precursors. *Journal of the American Ceramic Society*, **1994**, 77, 2069-2075	3.8	87
27	Metastable extension of the fluorite phase field in Y2O3?ZrO2 and its effect on grain growth. *Acta Metallurgica Et Materialia*, **1994**, 42, 1829-1846		27
26	The creep and fracture resistance of ⊟TiAl reinforced with Al2O3 fibers. *Acta Metallurgica Et Materialia*, **1993**, 41, 2681-2690		44
25	Environmentally compatible double coating concepts for sapphire fiber-reinforced ⊟TiAl. *Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing*, **1993**, 161, 285-293	5.3	23
24	Microstructure Evolution of SiC/Al2O3/Al-Alloy Composites Produced by Melt Oxidation. *Journal of the American Ceramic Society*, **1993**, 76, 1777-1787	3.8	29
23	Phase selection in undercooled ti3sn melts. *Metallurgical and Materials Transactions A - Physical Metallurgy and Materials Science*, **1993**, 24, 1481-1496		6
22	The evolution of metastable borides in a Ti?Al?B alloy. *Acta Metallurgica Et Materialia*, **1992**, 40, 3395-3406		64
21	Metastable Phase Selection and Partitioning in ZrO2⊠MgO Processed from Liquid Precursors. *Journal of the American Ceramic Society*, **1992**, 75, 946-952	3.8	37
20	Peritectic solidification of Ti⊠Al⊠a alloys in the region of ⊟TiAl. *Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing*, **1992**, 156, 153-166	5.3	21
19	In-situ-grown reinforcements for titanium aluminides. *Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing*, **1991**, 144, 25-36	5.3	17

18	The potential of rapid solidification in oxide-dispersion-strengthened copper alloy development. *Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing* , **1991**, 142, 277-289	5.3	31
17	Nucleation and growth of Al2O3/metal composites by oxidation of aluminum alloys. *Journal of Materials Research*, **1991**, 6, 1964-1981	2.5	84
16	A thermogravimetric study of the oxidative growth of Al2O3/Al alloy composites. *Journal of Materials Research*, **1991**, 6, 1982-1995	2.5	45
15	Solidification paths of Ti?Ta?Al alloys. *Acta Metallurgica Et Materialia*, **1991**, 39, 2745-2758		15
14	The structure of complex monoborides in □TiAl alloys with Ta and B additions. *Acta Metallurgica Et Materialia*, **1991**, 39, 2381-2391		25
13	Characterization of Al2O3?ZrO2 powders produced by electrohydrodynamic atomization. *Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing*, **1990**, 124, 65-81	5.3	51
12	Microstructural analysis of rapidly solidified Ti?Al?X powders. *Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing*, **1990**, 124, 83-101	5.3	51
11	Phase equilibria and solidification in Ti-Al alloys. *Acta Metallurgica*, **1989**, 37, 1321-1336		360
10	Solidification microstructure of supercooled Ti-Al alloys containing intermetallic phases. *Acta Metallurgica*, **1989**, 37, 2517-2530		64
9	The structure of □alumina evolved from the melt and the □-□ transformation. *Acta Metallurgica*, **1989**, 37, 569-578		109
8	Thermal considerations on the recalescence of alloy powders. *Metallurgical and Materials Transactions A - Physical Metallurgy and Materials Science*, **1988**, 19, 687-697		9
7	The evolution of microcrystalline structures in supercooled metal powders. *Metallurgical and Materials Transactions A - Physical Metallurgy and Materials Science*, **1988**, 19, 699-708		31
6	Consolidation of rapidly solidified intermetallic powders using the Ceracon□ process. *Journal of Materials Shaping Technology*, **1988**, 6, 125-132		6
5	The high temperature □Field in the titanium-aluminum phase diagram. *Scripta Metallurgica*, **1988**, 22, 1131-1136		68
4	Phase selection in electrohydrodynamic atomization of alumina. *Journal of Materials Research*, **1988** , 3, 969-983	2.5	93
3	Microstructure evolution during conventional and rapid solidification of a Ti-50at%Al alloy. *Scripta Metallurgica*, **1987**, 21, 1341-1346		72
2	Heat flow in atomized metal droplets. *Metallurgical and Materials Transactions B - Process Metallurgy and Materials Processing Science*, **1980**, 11, 21-27		55
1	Thermal Insulation Coatings of Lapo4. *Ceramic Engineering and Science Proceedings*,367-374	0.1	20