

Fuxiang Zhang

List of Publications by Year in descending order

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144
papers

4,817
citations

70961

41
h-index

114278

63
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148
all docs

148
docs citations

148
times ranked

4147
citing authors

#	ARTICLE	IF	CITATIONS
1	First-principle study of interstitial atoms (C, B and Si) in CrFeCoNi high entropy alloy. <i>Materials Today Communications</i> , 2022, 31, 103241.	0.9	1
2	Ion irradiation induced strain and structural changes in LiTaO ₃ perovskite*. <i>Journal of Physics Condensed Matter</i> , 2021, 33, 185402.	0.7	5
3	Severe local lattice distortion in Zr- and/or Hf-containing refractory multi-principal element alloys. <i>Acta Materialia</i> , 2020, 183, 172-181.	3.8	108
4	Local order of orthorhombic weberite-type Y ₃ TaO ₇ as determined by neutron total scattering and density functional theory calculations. <i>Acta Materialia</i> , 2020, 196, 704-709.	3.8	16
5	Symmetry degeneration and room temperature ferroelectricity in ion-irradiated SrTiO ₃ . <i>Journal of Physics Condensed Matter</i> , 2020, 32, 355405.	0.7	6
6	Local structure of Ni ₈₀ X ₂₀ (X: Cr, Mn, Pd) solid-solution alloys and its response to ion irradiation. <i>Journal of Physics Condensed Matter</i> , 2020, 32, 074002.	0.7	2
7	Critical Review of Chemical Complexity Effect on Local Structure of Multi-principal-Element Alloys. <i>Jom</i> , 2019, 71, 3419-3423.	0.9	13
8	Strain engineering 4H-SiC with ion beams. <i>Applied Physics Letters</i> , 2019, 114, .	1.5	11
9	Ionizing vs collisional radiation damage in materials: Separated, competing, and synergistic effects in Ti ₃ SiC ₂ . <i>Acta Materialia</i> , 2019, 173, 195-205.	3.8	10
10	Phase transformations of Al-bearing high-entropy alloys Al _x CoCrFeNi (x=0, 0.1, 0.3, 0.75, 1.5) at high pressure. <i>Applied Physics Letters</i> , 2019, 114, .	1.5	13
11	Thermal stability and irradiation response of nanocrystalline CoCrCuFeNi high-entropy alloy. <i>Nanotechnology</i> , 2019, 30, 294004.	1.3	38
12	Diffusion-controlled alloying of single-phase multi-principal transition metal carbides with high toughness and low thermal diffusivity. <i>Applied Physics Letters</i> , 2019, 114, .	1.5	48
13	Local structure and defects in ion irradiated KTaO ₃ . <i>Journal of Physics Condensed Matter</i> , 2018, 30, 145401.	0.7	4
14	Radiation-induced disorder in compressed lanthanide zirconates. <i>Physical Chemistry Chemical Physics</i> , 2018, 20, 6187-6197.	1.3	10
15	A ₂ TiO ₅ (A = Dy, Gd, Er, Yb) at High Pressure. <i>Inorganic Chemistry</i> , 2018, 57, 2269-2277.	1.9	6
16	Local structure of NiPd solid solution alloys and its response to ion irradiation. <i>Journal of Alloys and Compounds</i> , 2018, 755, 242-250.	2.8	10
17	Review of recent experimental results on the behavior of actinide-bearing oxides and related materials in extreme environments. <i>Progress in Nuclear Energy</i> , 2018, 104, 342-358.	1.3	12
18	Swift-heavy ion irradiation response and annealing behavior of A ₂ TiO ₅ (A = Nd, Gd, and Yb). <i>Journal of Solid State Chemistry</i> , 2018, 258, 108-116.	1.4	10

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19	Lattice Distortion and Phase Stability of Pd-Doped NiCoFeCr Solid-Solution Alloys. <i>Entropy</i> , 2018, 20, 900.	1.1	27
20	Local lattice distortion in NiCoCr, FeCoNiCr and FeCoNiCrMn concentrated alloys investigated by synchrotron X-ray diffraction. <i>Materials and Design</i> , 2018, 155, 1-7.	3.3	96
21	Evolution of local lattice distortion under irradiation in medium- and high-entropy alloys. <i>Materialia</i> , 2018, 2, 73-81.	1.3	67
22	A comparison study of local lattice distortion in Ni ₈₀ Pd ₂₀ binary alloy and FeCoNiCrPd high-entropy alloy. <i>Scripta Materialia</i> , 2018, 156, 14-18.	2.6	45
23	Chemical complexity induced local structural distortion in NiCoFeMnCr high-entropy alloy. <i>Materials Research Letters</i> , 2018, 6, 450-455.	4.1	54
24	Pressure-induced fcc to hcp phase transition in Ni-based high entropy solid solution alloys. <i>Applied Physics Letters</i> , 2017, 110, .	1.5	62
25	X-ray absorption investigation of local structural disorder in Ni _{1-x} Fe _x (x=0.10, 0.20, 0.35, and 0.50) alloys. <i>Journal of Applied Physics</i> , 2017, 121, 165105.	1.1	4
26	Amorphization of Ta ₂ O ₅ under swift heavy ion irradiation. <i>Nuclear Instruments & Methods in Physics Research B</i> , 2017, 407, 25-33.	0.6	22
27	Phase transformation and chemical decomposition of nanocrystalline SnO ₂ under heavy ion irradiation. <i>Nuclear Instruments & Methods in Physics Research B</i> , 2017, 407, 10-19.	0.6	0
28	Uranyl peroxide nanoclusters at high-pressure. <i>Journal of Materials Research</i> , 2017, 32, 3679-3688.	1.2	7
29	Local Structure and Short-Range Order in a NiCoCr Solid Solution Alloy. <i>Physical Review Letters</i> , 2017, 118, 205501.	2.9	283
30	Pressure-induced phase transitions of $\hat{1}^2$ -type pyrochlore CsTaWO ₆ . <i>RSC Advances</i> , 2016, 6, 94287-94293.	1.7	11
31	Structural response of titanate pyrochlores to swift heavy ion irradiation. <i>Acta Materialia</i> , 2016, 117, 207-215.	3.8	64
32	Role of composition, bond covalency, and short-range order in the disordering of stannate pyrochlores by swift heavy ion irradiation. <i>Physical Review B</i> , 2016, 94, .	1.1	53
33	Phase transition and water incorporation into Eu ₂ Sn ₂ O ₇ pyrochlore at high pressure. <i>Chemical Physics Letters</i> , 2016, 650, 138-143.	1.2	5
34	Stability of fluorite-type La ₂ Ce ₂ O ₇ under extreme conditions. <i>Journal of Alloys and Compounds</i> , 2016, 674, 168-173.	2.8	44
35	Blue and red up-conversion light emission in TM-doped A ₂ B ₂ O ₇ oxides. <i>Materials Letters</i> , 2016, 170, 53-57.	1.3	12
36	Probing disorder in isometric pyrochlore and related complex oxides. <i>Nature Materials</i> , 2016, 15, 507-511.	13.3	164

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37	Characterization of ion-induced radiation effects in nuclear materials using synchrotron x-ray techniques. <i>Journal of Materials Research</i> , 2015, 30, 1366-1379.	1.2	36
38	Phase transformations in Ln_2O_3 materials irradiated with swift heavy ions. <i>Physical Review B</i> , 2015, 92, .	1.1	41
39	Synchrotron x-ray diffraction analysis of gadolinium and lanthanum titanate oxides irradiated by xenon and tantalum swift heavy ions. <i>Materials Research Society Symposia Proceedings</i> , 2015, 1743, 26.	0.1	2
40	Redox response of actinide materials to highly ionizing radiation. <i>Nature Communications</i> , 2015, 6, 6133.	5.8	72
41	Atomic disorder in $\text{Gd}_2\text{Zr}_2\text{O}_7$ pyrochlore. <i>Applied Physics Letters</i> , 2015, 106, .	1.5	36
42	<i>In situ</i> defect annealing of swift heavy ion irradiated CeO_2 and ThO_2 using synchrotron X-ray diffraction and a hydrothermal diamond anvil cell. <i>Journal of Applied Crystallography</i> , 2015, 48, 711-717.	1.9	25
43	Response of $\text{Gd}_2\text{Ti}_2\text{O}_7$ and $\text{La}_2\text{Ti}_2\text{O}_7$ to swift-heavy ion irradiation and annealing. <i>Acta Materialia</i> , 2015, 93, 1-11.	3.8	62
44	Study on structural recovery of graphite irradiated with swift heavy ions at high temperature. <i>Nuclear Instruments & Methods in Physics Research B</i> , 2015, 365, 522-524.	0.6	5
45	Ion Beam Irradiation-Induced Amorphization of Nano-Sized $\text{KxLn}_y\text{Ta}_2\text{O}_7$ -v Tantalate Pyrochlore. <i>Frontiers in Energy Research</i> , 2014, 2, .	1.2	3
46	Swift heavy ion track formation in $\text{Gd}_2\text{Zr}_2\text{Ti}_2\text{O}_7$ pyrochlore: Effect of electronic energy loss. <i>Nuclear Instruments & Methods in Physics Research B</i> , 2014, 336, 102-115.	0.6	48
47	High-pressure U_3O_8 with the fluorite-type structure. <i>Journal of Solid State Chemistry</i> , 2014, 213, 110-115.	1.4	17
48	Carbonate orientational order and superlattice structure in vaterite. <i>Journal of Crystal Growth</i> , 2014, 407, 78-86.	0.7	15
49	Incorporation of uranium in pyrochlore oxides and pressure-induced phase transitions. <i>Journal of Solid State Chemistry</i> , 2014, 219, 49-54.	1.4	32
50	Highly crystallized iron oxide nanoparticles as effective and biodegradable mediators for photothermal cancer therapy. <i>Journal of Materials Chemistry B</i> , 2014, 2, 757-765.	2.9	100
51	Swift heavy ion irradiation-induced amorphization of $\text{La}_2\text{Ti}_2\text{O}_7$. <i>Nuclear Instruments & Methods in Physics Research B</i> , 2014, 326, 145-149.	0.6	25
52	Swift heavy ion-induced phase transformation in Gd_2O_3 . <i>Nuclear Instruments & Methods in Physics Research B</i> , 2014, 326, 121-125.	0.6	31
53	Effect of orientation on ion track formation in apatite and zircon. <i>American Mineralogist</i> , 2014, 99, 1127-1132.	0.9	26
54	Ion-irradiation-induced structural transitions in orthorhombic Ln_2TiO_5 . <i>Acta Materialia</i> , 2013, 61, 4191-4199.	3.8	41

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55	Structure and properties of rare earth silicates with the apatite structure at high pressure. <i>Physics and Chemistry of Minerals</i> , 2013, 40, 817-825.	0.3	9
56	Pressure-induced series of phase transitions in sodium azide. <i>Journal of Applied Physics</i> , 2013, 113, 033511.	1.1	56
57	Phase transition and abnormal compressibility of lanthanide silicate with the apatite structure. <i>Physical Review B</i> , 2012, 85, .	1.1	13
58	Swift heavy ion-induced amorphization of CaZrO ₃ perovskite. <i>Nuclear Instruments & Methods in Physics Research B</i> , 2012, 286, 271-276.	0.6	33
59	Swift heavy ion irradiation of diamond powder. <i>Nuclear Instruments & Methods in Physics Research B</i> , 2012, 286, 262-265.	0.6	2
60	Structural response of A ₂ TiO ₅ (A = La, Nd, Sm, Gd) to swift heavy ion irradiation. <i>Acta Materialia</i> , 2012, 60, 4477-4486.	3.8	42
61	Phase transition and structure of silver azide at high pressure. <i>Journal of Applied Physics</i> , 2011, 110, 023524.	1.1	31
62	Electronic structure and energetics of tetragonal SrCuO ₂ and its high-pressure superstructure phase. <i>Journal of Physics Condensed Matter</i> , 2011, 23, 465503.	0.7	3
63	Series of phase transitions in cesium azide under high pressure studied by <i>in situ</i> x-ray diffraction. <i>Physical Review B</i> , 2011, 84, .	1.1	50
64	Structural changes of (K,Gd) ₂ Ta ₂ O ₇ pyrochlore at high pressure. <i>Journal of Solid State Chemistry</i> , 2011, 184, 2329-2332.	1.4	3
65	Phase stability of some actinides with brannerite structure at high pressures. <i>Journal of Solid State Chemistry</i> , 2011, 184, 2834-2839.	1.4	17
66	Energetics and concentration of defects in Gd ₂ Ti ₂ O ₇ and Gd ₂ Zr ₂ O ₇ pyrochlore at high pressure. <i>Acta Materialia</i> , 2011, 59, 1607-1618.	3.8	34
67	High pressure X-ray diffraction study of potassium azide. <i>Journal of Physics and Chemistry of Solids</i> , 2011, 72, 736-739.	1.9	53
68	Ion Beam Irradiation-induced Amorphization in Nano-sized KxLnyTa ₂ O _{7-v} Tantalate Pyrochlore. <i>Materials Research Society Symposia Proceedings</i> , 2011, 1298, 147.	0.1	2
69	Pressure-induced structural transformations in lanthanide titanates: La ₂ TiO ₅ and Nd ₂ TiO ₅ . <i>Journal of Solid State Chemistry</i> , 2010, 183, 2636-2643.	1.4	33
70	Review of A ₂ B ₂ O ₇ pyrochlore response to irradiation and pressure. <i>Nuclear Instruments & Methods in Physics Research B</i> , 2010, 268, 2951-2959.	0.6	202
71	Pressure-induced Disorder and Anomalous Lattice Expansion in La_2O_7 Pyrochlore. <i>Physical Review Letters</i> , 2010, 105, 015503.	2.9	60
72	Increased stability of nanocrystals of Gd ₂ (Ti _{0.65} Zr _{0.35}) ₂ O ₇ pyrochlore at high pressure. <i>Journal of Alloys and Compounds</i> , 2010, 494, 34-39.	2.8	10

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73	Intrinsic Structural Disorder and Radiation Response of Nanocrystalline $Gd_2(Ti_{0.65}Zr_{0.35})_2O_7$ Pyrochlore. Journal of Physical Chemistry C, 2010, 114, 11810-11815.	1.5	38
74	Zirconate pyrochlores under high pressure. Physical Chemistry Chemical Physics, 2010, 12, 12472.	1.3	43
75	A one-pot method to grow pyrochlore $H_4Nb_2O_7$ -octahedron-based photocatalyst. Journal of Materials Chemistry, 2010, 20, 1942.	6.7	38
76	Structural modifications of $Gd_2Zr_{2-x}Ti_xO_7$ pyrochlore induced by swift heavy ions: Disorder and amorphization. Journal of Materials Research, 2009, 24, 1322-1334.	1.2	110
77	Combined high pressure and heavy-ion irradiation: a novel approach. Journal of Synchrotron Radiation, 2009, 16, 773-777.	1.0	7
78	Nanoscale manipulation of the properties of solids at high pressure with relativistic heavy ions. Nature Materials, 2009, 8, 793-797.	13.3	85
79	Response of synthetic coffinite to energetic ion beam irradiation. Journal of Nuclear Materials, 2009, 393, 481-486.	1.3	18
80	High-Pressure Response of Zirconia Nanoparticles with an Alumina Shell. Journal of Physical Chemistry C, 2009, 113, 14658-14662.	1.5	6
81	High-pressure phase transitions of $ScPO_4$ and YPO_4 . Physical Review B, 2009, 80, .	1.1	51
82	Single-ion tracks in $Gd_2Ti_2O_7$. Physical Review B, 2009, 79, .	1.1	126
83	Structural transitions and electron transfer in coffinite, $USiO_4$, at high pressure. American Mineralogist, 2009, 94, 916-920.	0.9	25
84	Enhanced radiation resistance of nanocrystalline pyrochlore $Gd_2(Ti_{0.65}Zr_{0.35})_2O_7$. Applied Physics Letters, 2009, 94, .	1.5	98
85	Structure refinement of quaternary RE-B-C-Si compounds: $Y_3x(B_{12})_3(CSi)Si_8(x \approx 0.96)$ and $Dy_3x(B_{12})_3(CSi)Si_8(x \approx 0.90)$. Journal of Physics: Conference Series, 2009, 176, 012015.	0.3	1
86	Pressure-induced zircon-type to scheelite-type phase transitions in $YbPO_4$ and $LuPO_4$. Journal of Solid State Chemistry, 2008, 181, 2633-2638.	1.4	56
87	Irradiation-induced stabilization of zircon ($ZrSiO_4$) at high pressure. Earth and Planetary Science Letters, 2008, 269, 291-295.	1.8	44
88	Fission tracks simulated by swift heavy ions at crustal pressures and temperatures. Earth and Planetary Science Letters, 2008, 274, 355-358.	1.8	40
89	Phase Stability and Pressure Dependence of Defect Formation in $Gd_2Ti_2O_7$ and $Gd_2Zr_2O_7$. Applied Physics Letters, 2008, 92, .	2.9	110
90	High pressure phase transitions and compressibilities of $Er_2Zr_2O_7$ and $Ho_2Zr_2O_7$. Applied Physics Letters, 2008, 92, .	1.5	28

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91	Structural phase transitions of cubic Gd_2Co_7 at high pressures. Physical Review B, 2008, 78, .	1.1	10
92	High-pressure structural changes in the Gd_2Co_7 pyrochlore. Physical Review B, 2007, 76, .	1.1	10
93	On the compression behaviour of $(Ti_{0.5},V_{0.5})_2AlC$ and $(Ti_{0.5},Nb_{0.5})_2AlC$ to quasi-hydrostatic pressures above 50 GPa. Journal of Physics Condensed Matter, 2007, 19, 246215.	0.7	26
94	Pressure-Induced Splitting and Buckling of $Cu-O$ Chains in the Low-Dimensional Structure of $SrCuO_2$. Journal of the American Chemical Society, 2007, 129, 13923-13926.	6.6	9
95	Structural distortions and phase transformations in $Sm_2Zr_2O_7$ pyrochlore at high pressures. Chemical Physics Letters, 2007, 441, 216-220.	1.2	41
96	Ion beam irradiation of lanthanum and thorium-doped yttrium titanates. Journal of Nuclear Materials, 2007, 362, 438-444.	1.3	13
97	Structural change of layered perovskite $La_2Ti_2O_7$ at high pressures. Journal of Solid State Chemistry, 2007, 180, 571-576.	1.4	43
98	Structural changes of $NaxCoO_2$ ($x=0.74$) at high pressures. Journal of Solid State Chemistry, 2007, 180, 1759-1763.	1.4	9
99	Pressure-induced structural changes of the tetragonal Bi_2CuO_4 . Journal of Solid State Chemistry, 2006, 179, 1202-1207.	1.4	1
100	X-ray high-pressure study of Ti_2AlN and Ti_2AlC . Journal of Physics and Chemistry of Solids, 2006, 67, 2091-2094.	1.9	107
101	Structural behavior of $Sr_2Bi_2O_5$ at high pressures. Journal of Solid State Chemistry, 2006, 179, 544-550.	1.4	7
102	Phase stability and thermal expansion property of $FeSi_2$. Scripta Materialia, 2006, 54, 1375-1377.	2.6	19
103	Pressure-induced structural changes in Bi_2SrO_4 compound. Materials Research Bulletin, 2006, 41, 2007-2012.	2.7	0
104	Pressure-induced order-disorder transitions in pyrochlore $RE_2Ti_2O_7$ ($RE=Y, Gd$). Materials Letters, 2006, 60, 2773-2776.	1.3	66
105	Pressure-induced structural transitions and phase decomposition in the $Cd_2Nb_2O_7$ pyrochlore. Physical Review B, 2006, 74, .	1.1	22
106	Raman studies of Bi_2CuO_4 at high pressures. Applied Physics Letters, 2006, 88, 141926.	1.5	23
107	Structural changes and pressure-induced amorphization in rare earth titanates $RE_2Ti_2O_7$ ($RE: Gd, Sm$) with pyrochlore structure. Chemical Physics Letters, 2005, 413, 248-251.	1.2	80
108	Structure change of pyrochlore $Sm_2Ti_2O_7$ at high pressures. Applied Physics Letters, 2005, 86, 181906.	1.5	94

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109	Single crystal growth of some rare-earth boron-rich compounds in RE-B-C(N) and RE-B-Si systems. <i>Journal of Crystal Growth</i> , 2004, 271, 159-164.	0.7	1
110	Structural properties, infrared reflectivity, and Raman modes of SnO at high pressure. <i>Physica Status Solidi (B): Basic Research</i> , 2004, 241, 3168-3178.	0.7	82
111	Physical properties of layered homologous RE-B-C(N) compounds. <i>Journal of Solid State Chemistry</i> , 2004, 177, 444-448.	1.4	15
112	A new high-pressure phase of LiAlO ₂ . <i>Journal of Solid State Chemistry</i> , 2004, 177, 1939-1943.	1.4	28
113	A new rare-earth boron-rich compound: Be ₈ (1-x)(B ₄₈)B ₂ single crystal growth and structure analysis. <i>Journal of Solid State Chemistry</i> , 2004, 177, 3070-3074.	1.4	10
114	Thermal expansion measurements and the phase transition in the compound GdSi ₂ . <i>Journal of Physics Condensed Matter</i> , 2004, 16, 7787-7792.	0.7	1
115	Compressibility and vibrational property of Gd _{0.7} B ₁₂ Si _{3.03} : a compound with two-dimensional boron icosahedral framework. <i>Chemical Physics Letters</i> , 2003, 379, 47-52.	1.2	5
116	Novel rare-earth borosilicide RE _{1-x} B ₁₂ Si _{3.3-x} (RE=Y, Gd-Lu) (x=1/2, 0.5, 0.3): synthesis, crystal growth, structure analysis and properties. <i>Journal of Solid State Chemistry</i> , 2003, 170, 75-81.	1.4	20
117	Crystal structure of tetraaluminium trinitride carbide oxide, Al ₄ N ₃ CO. <i>Zeitschrift Fur Kristallographie - New Crystal Structures</i> , 2003, 218, 27-28.	0.1	0
118	Crystal structure of dysprosium borosilicide, Dy _{0.7} B _{12.33} Si ₃ . <i>Zeitschrift Fur Kristallographie - New Crystal Structures</i> , 2003, 218, 26.	0.1	0
119	Green emission from B ₂ N ₂ CO thin films doped with Tb. <i>Applied Physics Letters</i> , 2002, 81, 34-36.	1.5	17
120	Low-temperature magnetism of the compound GdB ₁₈ Si ₅ . <i>Journal of Physics Condensed Matter</i> , 2002, 14, 11831-11836.	0.7	17
121	Incorporation of carbon atoms in rare earth boron-rich solids and formation of superstructures. <i>Journal of Alloys and Compounds</i> , 2002, 337, 120-127.	2.8	14
122	A New Boron-Rich Compound in the Y-B-Si Ternary System. <i>Journal of Solid State Chemistry</i> , 2002, 164, 361-366.	1.4	19
123	Crystal structure of new rare-earth boron-rich solids: REB _{28.5} C ₄ . <i>Journal of Alloys and Compounds</i> , 2001, 329, 168-172.	2.8	17
124	Homologous Phases Built by Boron Clusters and Their Vibrational Properties. <i>Inorganic Chemistry</i> , 2001, 40, 6948-6951.	1.9	12
125	Novel Rare Earth Boron-Rich Solids. <i>Journal of Solid State Chemistry</i> , 2001, 159, 174-180.	1.4	23
126	Effects of pressure on the solidification of Al-Mn alloy. <i>Journal of Materials Research</i> , 2001, 16, 910-913.	1.2	9

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127	Synthesis and magnetic properties of binary boride REB ₂₅ compounds. Journal of Physics Condensed Matter, 2001, 13, L423-L430.	0.7	27
128	Formation of nanocrystalline Fe _{73.5} Cu ₁ Nb ₃ Si _{13.5} B ₉ alloy under high pressure. Science in China Series A: Mathematics, 1999, 42, 407-413.	0.5	1
129	Phase Evolution in Solidification Process of Germanium at High Pressure. Crystal Research and Technology, 1998, 33, 43-50.	0.6	7
130	Synthesis of C ₃ N ₄ crystals under high pressure and high temperature. Science in China Series A: Mathematics, 1998, 41, 405-410.	0.5	6
131	Solidification of Undercooled Ge _{73.7} Ni _{26.3} Alloy Subjected to Sputtering-Deposition of Ni Clusters. Chinese Physics Letters, 1998, 15, 149-151.	1.3	5
132	Influence of pressures on the crystallization process of an amorphous Fe _{73.5} Cu ₁ Nb ₃ Si _{13.5} B ₉ alloy. Journal of Applied Physics, 1998, 84, 1918-1923.	1.1	87
133	Electrical resistance changes of germanium during solidification under high pressure. Journal of Applied Physics, 1998, 83, 5003-5005.	1.1	9
134	Synthesis of carbon nitride crystals at high pressures and temperatures. Journal of Materials Research, 1998, 13, 3458-3462.	1.2	32
135	Quenching with rapid decompression—a new method for rapid solidification. Applied Physics Letters, 1997, 71, 3811-3813.	1.5	13
136	Synthesis of porosity-free nanocrystalline materials with ultrafine grain size by annealing amorphous alloy under high pressure. Scripta Materialia, 1997, 8, 795-800.	0.5	7
137	Formation of the high temperature \hat{A} phase in nanostructured Ni ₆₀ Sb ₄₀ mixture under pressure. Journal of Materials Science Letters, 1997, 16, 4-7.	0.5	0
138	Effects of Hydrostatic Pressure on Solid-State Reaction in Binary Nanostructured Ti ₆₀ Si ₄₀ Blends. Physica Status Solidi A, 1997, 163, 3-9.	1.7	0
139	Amorphization of Al _{1-x} Cu _x -Fe quasicrystalline alloys by mechanical milling. Journal of Alloys and Compounds, 1996, 240, 256-260.	2.8	18
140	Phase formation behavior in undercooled quasicrystal-forming Al _{1-x} Cu _x -Fe alloy melts. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 1996, 205, 214-220.	2.6	12
141	Crystal structure of germanium quenched from the melt under high pressure. Physical Review B, 1995, 52, 3113-3116.	1.1	28
142	Microstructure of germanium quenched from the undercooled melt at high pressures. Applied Physics Letters, 1995, 67, 617-619.	1.5	11
143	Nucleation of the Al ₄ Mn alloy during containerless solidification in a drop tube. Journal of Applied Physics, 1995, 77, 4334-4338.	1.1	0
144	Nucleation of Al ₄ Cu ₂ Fe alloy in a drop tube. Journal of Applied Physics, 1994, 76, 7559-7561.	1.1	2