Xian Luo

List of Publications by Year
in descending order

148 papers	2,644 citations	201575 27 h-index	289141 40 g-index
148 all docs	148 docs citations	148 times ranked	2089 citing authors

#	Article	IF	Citations
1	Temperature-dependent deformation in silver-particle-covered copper nanowires by molecular dynamics simulation. Journal of Materiomics, 2022, 8, 68-78.	2.8	2
2	Superb strength and ductility balance of a Co-free medium-entropy alloy with dual heterogeneous structures. Journal of Materials Science and Technology, 2022, 98, 197-204.	5.6	33
3	Investigations of interfacial reaction and toughening mechanisms of Ta fiber-reinforced TiAl-matrix composites. Materials Characterization, 2022, 183, 111584.	1.9	18
4	Effect of cryorolling and ageing on the microstructure and mechanical properties of Al 7085 alloy. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2022, 832, 142482.	2.6	20
5	Excellent thermal stability and their origins in Î³â€² precipitation-strengthened medium-entropy alloys. Scripta Materialia, 2022, 212, 114576.	2.6	15
6	Role of H2 and Ar as the diluent gas in continuous hot-wire CVD synthesis of SiC fiber. Journal of the European Ceramic Society, 2022, 42, 3135-3147.	2.8	8
7	Influence of Supersaturation on Growth Behavior and Mechanical Properties of Polycrystalline 3C-SiC on W Wire Substrate. Metals, 2022, 12, 881.	1.0	1
8	Preparation of Al2O3 coating on Nb fiber and the effect on interfacial microstructure of Nbf/TiAl composite. Materials Characterization, 2022, 190, 112061.	1.9	4
9	Heterogeneous precipitates facilitate excellent mechanical properties in non-equiatomic medium-entropy alloy. Intermetallics, 2021, 129, 107036.	1.8	15
10	Temperature-dependent deformation processes in two-phase TiAlÂ+ÂTi3Al nano-polycrystalline alloys. Materials and Design, 2021, 199, 109422.	3.3	12
11	Microstructure, mechanical, and thermal properties of graphene and carbon nanotube-reinforced Al2O3 nanocomposites. Journal of Materials Science: Materials in Electronics, 2021, 32, 13656-13672.	1.1	4
12	Effect of C/Mo Duplex-coating on Thermal Residual Stresses in SiCf/Ti2AlNb Composites. Journal Wuhan University of Technology, Materials Science Edition, 2021, 36, 526-532.	0.4	2
13	High ZT Value of Pure SnSe Polycrystalline Materials Prepared by High-Energy Ball Milling plus Hot Pressing Sintering. ACS Applied Materials & Interfaces, 2021, 13, 43011-43021.	4.0	5
14	Study on the Relationship between High Temperature Mechanical Properties and Precipitates Evolution of 7085 Al Alloy after Long Time Thermal Exposures. Metals, 2021, 11, 1483.	1.0	4
15	Distributions of grains and precipitates in gradient lamellae Alâ€“Znâ€“Mgâ€“Cu alloy by ultrasonic surface rolling processing. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2021, 825, 141911.	2.6	14
16	Effect of interface orientation on the adhesion strength and fracture toughness of Ni/CrN interfaces by first-principles study. Materials Research Express, 2021, 8, 096507.	0.8	3
17	Toughness enhancement and thermal properties of graphene-CNTs reinforced Al2O3 ceramic hybrid nanocomposites. Chemical Physics Letters, 2021, 781, 138978.	1.2	10
18	Erosion behaviors and the control of fiber structure in Al2O3,f/TiAl composites. Journal of Alloys and Compounds, 2021, 882, 160734.	2.8	14

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19	Thermodynamic evidence of Î±-Al heterogeneous nucleation on Al2MgC2 and the interfacial bonding mechanism: A first-principles study. Journal of Solid State Chemistry, 2020, 288, 121431.	1.4	5
20	Hall-petch relationship and heterogeneous strength of CrCoNi medium-entropy alloy. Materials Chemistry and Physics, 2020, 251, 123073.	2.0	31
21	Mechanical and thermal properties of multiwalled carbon-nanotube-reinforced Al2O3 nanocomposites. Ceramics International, 2020, 46, 17449-17460.	2.3	22
22	Nano-precipitates strengthened non-equiatomic medium-entropy alloy with outstanding tensile properties. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2020, 780, 139218.	2.6	38
23	Preparation and mechanical properties of graphene-reinforced alumina-matrix composites. Chemical Physics Letters, 2020, 754, 137765.	1.2	17
24	Atomic insight into the interfacial bonding and role of carbon atoms on Î²-SiC(1Â1Â1)/Al2MgC2(0Â0Â0Â1): A first-principles study. Applied Surface Science, 2020, 511, 145633.	3.1	7
25	Co-free non-equilibrium medium-entropy alloy with outstanding tensile properties. Journal of Alloys and Compounds, 2020, 833, 155074.	2.8	33
26	Design principles of pseudocapacitive carbon anode materials for ultrafast sodium and potassium-ion batteries. Journal of Materials Chemistry A, 2020, 8, 7756-7764.	5.2	16
27	High temperature tensile properties, fracture behaviors and nanoscale precipitate variation of an Alâ€“Znâ€“Mgâ€“Cu alloy. Progress in Natural Science: Materials International, 2020, 30, 63-73.	1.8	18
28	The Fracture Behavior of 7085-T74 Al Alloy Ultra-Thick Plate During High Cycle Fatigue. Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science, 2020, 51, 3248-3255.	1.1	9
29	Mechanical and electrical properties of carbon nanotube-reinforced Al2O3 nanocomposites. Journal of Materials Science, 2020, 55, 8728-8740.	1.7	12
30	The gradient structure in the surface layer of an Al-Zn-Mg-Cu alloy subjected to sliding friction treatment. Results in Physics, 2019, 13, 102318.	2.0	9
31	Effects of Al addition on structural evolution and mechanical properties of the CrCoNi medium-entropy alloy. Materials Chemistry and Physics, 2019, 238, 121841.	2.0	51
32	Effect of deep surface rolling on microstructure and properties of AZ91 magnesium alloy. Transactions of Nonferrous Metals Society of China, 2019, 29, 1424-1429.	1.7	11
33	Observing the dynamic rotation and annihilation process of an isolated nanograin at the atomic scale in Al. Materials Characterization, 2019, 147, 311-314.	1.9	4
34	Dynamic interactions between non-screw dislocations and stacking faults during in situ straining in a TEM. Materials Characterization, 2019, 148, 292-296.	1.9	15
35	Effects of Nb additions on structure and mechanical properties evolution of CoCrNi medium-entropy alloy. Materials Express, 2019, 9, 291-298.	0.2	24
36	Thermal stability analysis of a lightweight Al-Zn-Mg-Cu alloy by TEM and tensile tests. Materials Characterization, 2019, 153, 271-283.	1.9	31

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37	Synthesis and Characterization of Ternary Polyaniline/Barium Ferrite/Reduced Graphene Oxide Composite as Microwave-Absorbing Material. Journal of Electronic Materials, 2019, 48, 4400-4408.	1.0	29
38	Microstructure and texture evolution near the adiabatic shear band (ASB) in TC17 Titanium alloy with starting equiaxed microstructure studied by EBSD. Materials Characterization, 2019, 151, 151-165.	1.9	25
39	In situ atomic-scale observation of a novel lattice reorienting process in pure Ti. Scripta Materialia, 2019, 166, 144-148.	2.6	4
40	Microstructure and mechanical property of high growth rate SiC via continuous hotâ€wire CVD. Journal of the American Ceramic Society, 2019, 102, 5656-5667.	1.9	15
41	Microstructure, properties and thermal stability of W/B4C multilayer coating synthesized by ion beam sputtering. Applied Surface Science, 2019, 464, 10-20.	3.1	13
42	Effect of solution and aging treatment on the microstructure and tensile properties of SiCf/C/Mo/Ti2AlNb composites. Intermetallics, 2018, 95, 33-39.	1.8	6
43	Deformation twinning in response to cracking in Al: An in situ TEM and molecular dynamics study. Scripta Materialia, 2018, 145, 28-32.	2.6	22
44	Effect of quenching on the matrix microstructure of SiCf/Tiâ€“6Alâ€“4V composites. Journal of Materials Science, 2018, 53, 1922-1932.	1.7	5
45	Theoretical investigation on the adsorption and dissociation behaviors of TiCl4 on pyrolytic carbon surface. Applied Surface Science, 2018, 427, 156-165.	3.1	0
46	The structural characterizations of Ti-17 alloy films prepared by magnetron sputtering. Applied Surface Science, 2018, 427, 774-781.	3.1	9
47	Aligned cellulose/nanodiamond plastics with high thermal conductivity. Journal of Materials Chemistry C, 2018, 6, 13108-13113.	2.7	46
48	Twinning-assisted void initiation and crack evolution in Cu thin film: An in situ TEM and molecular dynamics study. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2018, 737, 336-340.	2.6	12
49	New role of screw dislocation in twin lamella during deformation: An in situ TEM study at the atomic scale. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2018, 729, 125-129.	2.6	7
50	Self-healing, recoverable epoxy elastomers and their composites with desirable thermal conductivities by incorporating BN fillers via in-situ polymerization. Composites Science and Technology, 2018, 164, 59-64.	3.8	264
51	Nano-scale precipitate evolution and mechanical properties of 7085 aluminum alloy during thermal exposure. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2018, 729, 411-422.	2.6	64
52	Fibers made by chemical vapor deposition. , 2018, , 929-991.		2
53	The influence of interface reaction zone on interfacial fracture toughness of SiC fiber reinforced titanium matrix composites. Composite Interfaces, 2018, 25, 929-947.	1.3	8
54	Deposition of titanium coating on SiC fiber by chemical vapor deposition with Ti-I 2 system. Applied Surface Science, 2017, 406, 62-68.	3.1	12

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55	Structural evolution of copper-silver bimetallic nanowires with core-shell structure revealed by molecular dynamics simulations. Computational Materials Science, 2017, 137, 289-296.	1.4	8
56	Improving the mechanical properties of titanium films by texture strengthening. Materials Characterization, 2017, 127, 365-370.	1.9	13
57	Effect of rate dependence of crack propagation processes on amorphization in Al. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2017, 684, 71-77.	2.6	5
58	Molecular dynamic simulation of nanocrystal formation and tensile deformation of TiAl alloy. RSC Advances, 2017, 7, 48315-48323.	1.7	21
59	The depth-dependent gradient deformation bands in a sliding friction treated Al-Zn-Mg-Cu alloy. Materials Characterization, 2017, 132, 269-279.	1.9	13
60	Surface gradient nanostructures in high speed machined 7055 aluminum alloy. Journal of Alloys and Compounds, 2017, 726, 367-377.	2.8	34
61	Effect of C/Mo duplex coating on the interface and tensile strength of SiCf/Ti-21Al-29Nb composites. Journal of Alloys and Compounds, 2017, 721, 653-660.	2.8	19
62	Observing the dynamic<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si8.gif" overflow="scroll"><mml:mfenced close="}" open="{"><mml:mrow><mml:mn>10</mml:mn><mml:mover accent="true"><mml:mn>1</mml:mn><mml:mo stretchy="true">Â¯</mml:mo></mml:mover><mml:mn>1</mml:mn></mml:mrow></mml:mfenced></mml:math>twining process in pure Ti at atomic resolution. Scripta Materialia, 2017, 139, 139-143.	2.6	30
63	Microstructure, microtexture and precipitation in the ultrafine-grained surface layer of an Al-Zn-Mg-Cu alloy processed by sliding friction treatment. Materials Characterization, 2017, 123, 189-197.	1.9	30
64	Grain refinement and texture evolution during high precision machining of a Ni-based superalloy. Philosophical Magazine, 2017, 97, 28-42.	0.7	9
65	Prediction of Limit Rotation Speeds of SiC_f/Ti Composite Rings by Finite Element Analysis. Advanced Engineering Materials, 2017, 19, 1600545.	1.6	4
66	The phase, morphology and surface characterization of Tiâ€“Mo alloy films prepared by magnetron sputtering. RSC Advances, 2017, 7, 52595-52603.	1.7	15
67	Electron tomography of dislocations in an Al-Cu-Mg alloy. IOP Conference Series: Materials Science and Engineering, 2017, 219, 012018.	0.3	4
68	Deposition characteristics of titanium coating deposited on SiC fiber by cold-wall chemical vapor deposition. Materials Chemistry and Physics, 2016, 184, 189-196.	2.0	5
69	Microstructure and interface thermal stability of C/Mo double-coated SiC fiber reinforced Î³-TiAl matrix composites. Transactions of Nonferrous Metals Society of China, 2016, 26, 1317-1325.	1.7	14
70	Structural evolution of TiAl during rapid solidification processing revealed by molecular dynamics simulations. RSC Advances, 2016, 6, 54763-54767.	1.7	18
71	Structure of Aâ€“C Type Intervariant Interface in Nonmodulated Martensite in a Niâ€“Mnâ€“Ga Alloy. ACS Applied Materials & Interfaces, 2016, 8, 16985-16996.	4.0	10
72	Effects of substrate temperature on the structure, residual stress and nanohardness of Ti6Al4V films prepared by magnetron sputtering. Applied Surface Science, 2016, 370, 53-58.	3.1	36

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73	Evaluation on the interfacial fracture toughness of fiber-reinforced titanium matrix composites by push out test. Composite Interfaces, 2016, 23, 557-569.	1.3	4
74	Theoretical investigation on the interfacial properties of carbon deposited on Î²-SiC(111) substrate. Diamond and Related Materials, 2016, 62, 22-29.	1.8	2
75	Raman investigation of defective SiC nanocrystals. Journal of Raman Spectroscopy, 2015, 46, 1225-1229.	1.2	8
76	Raman Investigation of Interfacial Reaction Product of SiC_f/Ti43Al9V Composite. Journal of the American Ceramic Society, 2015, 98, 1937-1941.	1.9	5
77	Micromechanical analysis of fiber and titanium matrix interface by shear lag method. Composites Part B: Engineering, 2015, 79, 466-475.	5.9	11
78	Fatigue behaviors of C/Mo double-coated SiC fiber-reinforced Ti6Al4V composites with varied interfacial microstructure. Composite Interfaces, 2015, 22, 689-701.	1.3	3
79	Interfacial reaction in SiCf/Ti-6Al-4V composite by using transmission electron microscopy. Materials Characterization, 2015, 109, 206-215.	1.9	10
80	Microstructure, tensile strength and thermostability of W-core SiC fibers with or without carbon coating. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2015, 647, 265-276.	2.6	12
81	Finite element analysis of stress distribution and burst failure of SiCf/Tiâ€“6Alâ€“4V composite ring. Transactions of Nonferrous Metals Society of China, 2015, 25, 261-270.	1.7	7
82	In Situ HRTEM Observation of Electron-Irradiation-Induced Amorphization and Dissolution of the E (Al18Cr2Mg3) Phase in 7475 Al Alloy. Acta Metallurgica Sinica (English Letters), 2015, 28, 147-151.	1.5	6
83	Microstructure and Grain Growth of the Matrix of SiCf/Ti-6Al-4V Composites Prepared by the Consolidation of Matrix-Coated Fibers in the Î±+Î² Phase Field. Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science, 2015, 46, 887-893.	1.1	3
84	Finite element modeling of consolidation process of SiC fiber-reinforced titanium matrix composites via matrix-coated fiber method. Rare Metals, 2015, 34, 844-850.	3.6	5
85	Analysis on the interfacial shear strength of fiber reinforced titanium matrix composites by shear lag method. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2015, 642, 262-267.	2.6	9
86	A review on the research progress of push-out method in testing interfacial properties of SiC fiber-reinforced titanium matrix composites. Composite Interfaces, 2015, 22, 367-386.	1.3	13
87	Raman investigation of chemical reaction product in thermalâ€treated SiC_f/C/Mo/Ti6Al4V composite. Journal of Raman Spectroscopy, 2015, 46, 182-188.	1.2	7
88	Twin relationships between nanotwins inside Aâ€“C type variant pair in Niâ€“Mnâ€“Ga alloy. Acta Materialia, 2015, 84, 484-496.	3.8	23
89	First-principles calculation of W/WC interface: Atomic structure, stability and electronic properties. Applied Surface Science, 2015, 324, 205-211.	3.1	39
90	Fatigue properties and fracture analysis of a SiC fiber-reinforced titanium matrix composite. Composites Part B: Engineering, 2015, 68, 336-342.	5.9	34

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91	Quasicrystal dissolution and performance of isothermally heat-treated Mgâ€“Znâ€“Y alloy. Rare Metals, 2015, 34, 452-456.	3.6	9
92	Development of advanced electron tomography in materials science based on TEM and STEM. Transactions of Nonferrous Metals Society of China, 2014, 24, 3031-3050.	1.7	11
93	First-principles calculation on Î²-SiC(111)/Îµ-WC(0001) interface. Journal of Applied Physics, 2014, 115, .	1.1	39
94	Effect of Hot Isostatic Pressing Parameters on the Microstructures and Grain Growth Behavior of the Matrix of SiCf/Ti-6Al-4V Composites. Rare Metal Materials and Engineering, 2014, 43, 1839-1845.	0.8	8
95	Investigation of interfacial reaction product of SiCf/C/Mo/Ti6Al4V composite through Raman spectroscopy. Applied Physics Letters, 2014, 104, .	1.5	8
96	Microstructure evolution of C/Mo double-coated SiC fiber reinforced Ti6Al4V composites. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2014, 597, 95-101.	2.6	21
97	Twinning Behaviour in the Intermetallic Compound Al18Cr2Mg3. Acta Metallurgica Sinica (English) Tj ETQq1 1 0.784314 rgBT /Overlo	1.5	5
98	Local texture of three-stage CVD SiC fibre by precession electron diffraction (PED) and XRD. Materials Science and Technology, 2014, 30, 1751-1757.	0.8	0
99	Theoretical calculations on the adhesion, stability, electronic structure and bonding of SiC/W interface. Applied Surface Science, 2014, 314, 896-905.	3.1	25
100	Precipitation sequence of Î· phase along low-angle grain boundaries in Al-Zn-Mg-Cu alloy during artificial aging. Transactions of Nonferrous Metals Society of China, 2014, 24, 2061-2066.	1.7	26
101	Interfacial reaction studies of B4C-coated and C-coated SiC fiber reinforced Tiâ€“43Alâ€“9V composites. Intermetallics, 2014, 50, 14-19.	1.8	20
102	Formation of interfacial microstructures of Moâ€coating modified SiC_f/Mo/Tiâ€6Alâ€4V composites. Surface and Interface Analysis, 2013, 45, 667-671.	0.8	2
103	Development of CVD Ti-containing films. Progress in Materials Science, 2013, 58, 1490-1533.	16.0	38
104	First-principles investigation on the electronic and magnetic properties of cubic Be0.75Mn0.25X (X=S,) Tj ETQq0 0 0 rgBT /Overlock 10	2.8	14
105	Effect of C/Mo duplex coating on the interface and mechanical properties of SiCf/Ti6Al4V composites. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2013, 566, 47-53.	2.6	11
106	Adhesion and fracture toughness at Î±-Ti(0001)/TiC(111): A first-principles investigation. Applied Surface Science, 2013, 286, 240-248.	3.1	59
107	Theoretical investigations on phase stability, elastic constants and electronic structures of D022- and L12-Al3Ti under high pressure. Journal of Alloys and Compounds, 2013, 556, 214-220.	2.8	48
108	Microstructure and grain growth of the matrix of SiCf/Tiâ€“6Alâ€“4V composites prepared by the consolidation of matrix-coated fibers in the Î² phase field. Composites Part B: Engineering, 2013, 52, 155-163.	5.9	16

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109	Microstructure evolution of TiAl matrix in the process of magnetron sputtering and hot isostatic pressing for fabricating TiAl/SiCf composites. Intermetallics, 2013, 39, 5-10.	1.8	10
110	HRTEM and HAADF-STEM tomography investigation of the heterogeneously formed S (Al₂CuMg) precipitates in Alâ€“Cuâ€“Mg alloy. Philosophical Magazine, 2013, 93, 1843-1858.	0.7	35
111	An investigation of Ti-43Al-9V/Ti-6Al-4V interface by diffusion bonding. Intermetallics, 2013, 36, 127-132.	1.8	31
112	Investigation of interfacial reaction in SiC fiber reinforced Tiâ€“43Alâ€“9V composites. Intermetallics, 2013, 33, 54-59.	1.8	48
113	Study of matrix microstructure of SiC_f/Tiâ€“43Alâ€“9V composites. Materials Science and Technology, 2013, 29, 581-586.	0.8	1
114	New lightweight mirror billet: Connection of Î³-TiAl and K9 glass with Ti6Al4V foil as interlayer. Materials Science and Technology, 2013, 29, 250-254.	0.8	1
115	First-principles study of stability and properties on Î²-SiC/TiC(111) interface. Journal of Applied Physics, 2013, 114, .	1.1	31
116	Microstructure and thermal residual stress analysis of SiC fiber through Raman spectroscopy. Journal of Raman Spectroscopy, 2013, 44, 1306-1311.	1.2	14
117	Interfacial properties and electronic structure of Î²-SiC(111)/Î±-Ti(0001): A first principle study. Journal of Applied Physics, 2013, 113, .	1.1	28
118	Grain-scale growth simulation of SiC film with the Chemical Vapor Deposition method. Computational Materials Science, 2012, 59, 128-132.	1.4	5
119	First-principles study of the Al(001)/Al3Ti(001) interfacial properties. Computational Materials Science, 2012, 62, 136-141.	1.4	30
120	Finite element analysis of pressure on 2024 aluminum alloy created during restricting expansion-deformation heat-treatment. Transactions of Nonferrous Metals Society of China, 2012, 22, 2226-2232.	1.7	37
121	Influence of CH3SiCl3 consistency on growth process of SiC film by kinetic monte carlo method. Journal Wuhan University of Technology, Materials Science Edition, 2012, 27, 871-875.	0.4	2
122	Effect of Cu/Mo duplex coating on the interface and property of SiCf/Ti6Al4V composite. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2012, 535, 6-11.	2.6	17
123	Effect of Mo coating on the interface and mechanical properties of SiC fiber reinforced Ti6Al4V composites. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2012, 550, 286-292.	2.6	22
124	A three-dimensional atomic scale simulations of CVD-SiC film growth in {111}, {110} and {100} family of planes. Computational Materials Science, 2011, 50, 2338-2346.	1.4	6
125	Study on longitudinal tensile properties of SiCf/Tiâ€“6Alâ€“4V composites with different interfacial shear strength. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2011, 529, 88-93.	2.6	17
126	STEM-HAADF tomography investigation of grain boundary precipitates in Alâ€“Cuâ€“Mg alloy. Materials Letters, 2011, 65, 2808-2811.	1.3	7

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127	C/Ti/Cu interfacial reaction in SiCf/Cu composites. Rare Metals, 2011, 30, 396-400.	3.6	2
128	Variant selection and the strengthening effect of S precipitates at dislocations in Alâ€“Cuâ€“Mg alloy. Acta Materialia, 2011, 59, 2412-2422.	3.8	58
129	SEM in situ study on the mechanical behaviour of SiCf/Ti composite subjected to axial tensile load. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2011, 528, 4507-4515.	2.6	13
130	Raman scattering characterization of a carbon coating after low-energy argon ion bombardment. Physica B: Condensed Matter, 2011, 406, 3876-3884.	1.3	8
131	Microstructure of SiC Fiber Fabricated by Three-stage Chemical Vapor Deposition. Wuji Cailiao Xuebao/Journal of Inorganic Materials, 2011, 25, 1281-1285.	0.6	5
132	Microstructure of SiC fiber fabricated by two-stage chemical vapor deposition on tungsten filament. Journal of Crystal Growth, 2010, 313, 56-61.	0.7	24
133	The analysis on transverse tensile behavior of SiC/Tiâ€“6Alâ€“4V composites by finite element method. Materials & Design, 2010, 31, 3949-3953.	5.1	21
134	Precipitation process along dislocations in Alâ€“Cuâ€“Mg alloy during artificial aging. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2010, 528, 706-714.	2.6	71
135	Grain growth simulation of {111} and {110} oriented CVDâ€“SiC film by Potts Monte Carlo. Computational Materials Science, 2009, 44, 1281-1285.	1.4	6
136	Effect of nickel on the interface and mechanical properties of SiCf/Cu composites. Journal of Alloys and Compounds, 2009, 469, 237-243.	2.8	12
137	An analysis of thermal residual stresses in SiCf/Cu composites when TiC or Ni as binder. Materials & Design, 2008, 29, 1755-1761.	5.1	11
138	Multi-length scale Monte Carlo simulation of the growth process of SiC film by chemical vapor deposition. Applied Surface Science, 2008, 255, 3342-3349.	3.1	6
139	The thermal expansion behavior of unidirectional SiC fiber-reinforced Cuâ€“matrix composites. Scripta Materialia, 2008, 58, 401-404.	2.6	24
140	Effect of properties of SiC fibers on longitudinal tensile behavior of SiCf/Ti-6Al-4V composites. Transactions of Nonferrous Metals Society of China, 2008, 18, 523-530.	1.7	21
141	Kinetics of Interfacial Reaction in SiC_f/Ti6Al4V Composites. Materials Science Forum, 2007, 546-549, 1627-1632.	0.3	7
142	The effect of fabrication processes on the mechanical and interfacial properties of SiCf/Cuâ€“matrix composites. Composites Part A: Applied Science and Manufacturing, 2007, 38, 2102-2108.	3.8	10
143	Reaction diffusion in continuous SiC fiber reinforced Ti matrix composite. Transactions of Nonferrous Metals Society of China, 2007, 17, 27-34.	1.7	11
144	Experimental and theoretical study of diffusion bonding in fabricating Ti matrix composite. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2007, 458, 202-209.	2.6	2

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145	The fabrication and property of SiC fiber reinforced copper matrix composites. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2007, 459, 244-250.	2.6	36
146	Analysis of interfacial behavior in titanium matrix composites by using the finite element method (SCS-6/Ti55). Scripta Materialia, 2007, 56, 533-536.	2.6	14
147	Titanium interlayers as adhesion promoters for SiCf/Cu composites. Scripta Materialia, 2007, 56, 569-572.	2.6	11
148	Influence of Substrate Material on Tensile Behavior and Fracture Characteristics of SiC by Chemical Vapour Deposition. Advanced Materials Research, 0, 213, 272-275.	0.3	0