

# Xian Luo

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/1959256/publications.pdf>

Version: 2024-02-01

148  
papers

2,644  
citations

201674

27  
h-index

289244

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. <i>Journal of Materiomics</i> , 2022, 8, 68-78.	5.7	2
2	Superb strength and ductility balance of a Co-free medium-entropy alloy with dual heterogeneous structures. <i>Journal of Materials Science and Technology</i> , 2022, 98, 197-204.	10.7	33
3	Investigations of interfacial reaction and toughening mechanisms of Ta fiber-reinforced TiAl-matrix composites. <i>Materials Characterization</i> , 2022, 183, 111584.	4.4	18
4	Effect of cryorolling and ageing on the microstructure and mechanical properties of Al 7085 alloy. <i>Materials Science &amp; Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2022, 832, 142482.	5.6	20
5	Excellent thermal stability and their origins in $\gamma'$ precipitation-strengthened medium-entropy alloys. <i>Scripta Materialia</i> , 2022, 212, 114576.	5.2	15
6	Role of H <sub>2</sub> and Ar as the diluent gas in continuous hot-wire CVD synthesis of SiC fiber. <i>Journal of the European Ceramic Society</i> , 2022, 42, 3135-3147.	5.7	8
7	Influence of Supersaturation on Growth Behavior and Mechanical Properties of Polycrystalline 3C-SiC on W Wire Substrate. <i>Metals</i> , 2022, 12, 881.	2.3	1
8	Preparation of Al <sub>2</sub> O <sub>3</sub> coating on Nb fiber and the effect on interfacial microstructure of Nb/TiAl composite. <i>Materials Characterization</i> , 2022, 190, 112061.	4.4	4
9	Heterogeneous precipitates facilitate excellent mechanical properties in non-equiatomic medium-entropy alloy. <i>Intermetallics</i> , 2021, 129, 107036.	3.9	15
10	Temperature-dependent deformation processes in two-phase TiAl <sub>3</sub> +Ti <sub>3</sub> Al nano-polycrystalline alloys. <i>Materials and Design</i> , 2021, 199, 109422.	7.0	12
11	Microstructure, mechanical, and thermal properties of graphene and carbon nanotube-reinforced Al <sub>2</sub> O <sub>3</sub> nanocomposites. <i>Journal of Materials Science: Materials in Electronics</i> , 2021, 32, 13656-13672.	2.2	4
12	Effect of C/Mo Duplex-coating on Thermal Residual Stresses in SiCf/Ti <sub>2</sub> AlNb Composites. <i>Journal Wuhan University of Technology, Materials Science Edition</i> , 2021, 36, 526-532.	1.0	2
13	High ZT Value of Pure SnSe Polycrystalline Materials Prepared by High-Energy Ball Milling plus Hot Pressing Sintering. <i>ACS Applied Materials &amp; Interfaces</i> , 2021, 13, 43011-43021.	8.0	5
14	Study on the Relationship between High Temperature Mechanical Properties and Precipitates Evolution of 7085 Al Alloy after Long Time Thermal Exposures. <i>Metals</i> , 2021, 11, 1483.	2.3	4
15	Distributions of grains and precipitates in gradient lamellae Al-Zn-Mg-Cu alloy by ultrasonic surface rolling processing. <i>Materials Science &amp; Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2021, 825, 141911.	5.6	14
16	Effect of interface orientation on the adhesion strength and fracture toughness of Ni/CrN interfaces by first-principles study. <i>Materials Research Express</i> , 2021, 8, 096507.	1.6	3
17	Toughness enhancement and thermal properties of graphene-CNTs reinforced Al <sub>2</sub> O <sub>3</sub> ceramic hybrid nanocomposites. <i>Chemical Physics Letters</i> , 2021, 781, 138978.	2.6	10
18	Erosion behaviors and the control of fiber structure in Al <sub>2</sub> O <sub>3</sub> /TiAl composites. <i>Journal of Alloys and Compounds</i> , 2021, 882, 160734.	5.5	14

#	ARTICLE	IF	CITATIONS
19	Thermodynamic evidence of $\hat{\pm}$ -Al heterogeneous nucleation on Al <sub>2</sub> MgC <sub>2</sub> and the interfacial bonding mechanism: A first-principles study. <i>Journal of Solid State Chemistry</i> , 2020, 288, 121431.	2.9	5
20	Hall-petch relationship and heterogeneous strength of CrCoNi medium-entropy alloy. <i>Materials Chemistry and Physics</i> , 2020, 251, 123073.	4.0	31
21	Mechanical and thermal properties of multiwalled carbon-nanotube-reinforced Al <sub>2</sub> O <sub>3</sub> nanocomposites. <i>Ceramics International</i> , 2020, 46, 17449-17460.	4.8	22
22	Nano-precipitates strengthened non-equiatomic medium-entropy alloy with outstanding tensile properties. <i>Materials Science &amp; Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2020, 780, 139218.	5.6	38
23	Preparation and mechanical properties of graphene-reinforced alumina-matrix composites. <i>Chemical Physics Letters</i> , 2020, 754, 137765.	2.6	17
24	Atomic insight into the interfacial bonding and role of carbon atoms on $\hat{2}$ -SiC(1 $\hat{1}$ $\hat{1}$ )/Al <sub>2</sub> MgC <sub>2</sub> (0 $\hat{0}$ $\hat{0}$ $\hat{1}$ ): A first-principles study. <i>Applied Surface Science</i> , 2020, 511, 145633.	6.1	7
25	Co-free non-equilibrium medium-entropy alloy with outstanding tensile properties. <i>Journal of Alloys and Compounds</i> , 2020, 833, 155074.	5.5	33
26	Design principles of pseudocapacitive carbon anode materials for ultrafast sodium and potassium-ion batteries. <i>Journal of Materials Chemistry A</i> , 2020, 8, 7756-7764.	10.3	16
27	High temperature tensile properties, fracture behaviors and nanoscale precipitate variation of an Al $\hat{\epsilon}$ -Zn $\hat{\epsilon}$ -Mg $\hat{\epsilon}$ -Cu alloy. <i>Progress in Natural Science: Materials International</i> , 2020, 30, 63-73.	4.4	18
28	The Fracture Behavior of 7085-T74 Al Alloy Ultra-Thick Plate During High Cycle Fatigue. <i>Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science</i> , 2020, 51, 3248-3255.	2.2	9
29	Mechanical and electrical properties of carbon nanotube-reinforced Al <sub>2</sub> O <sub>3</sub> nanocomposites. <i>Journal of Materials Science</i> , 2020, 55, 8728-8740.	3.7	12
30	The gradient structure in the surface layer of an Al-Zn-Mg-Cu alloy subjected to sliding friction treatment. <i>Results in Physics</i> , 2019, 13, 102318.	4.1	9
31	Effects of Al addition on structural evolution and mechanical properties of the CrCoNi medium-entropy alloy. <i>Materials Chemistry and Physics</i> , 2019, 238, 121841.	4.0	51
32	Effect of deep surface rolling on microstructure and properties of AZ91 magnesium alloy. <i>Transactions of Nonferrous Metals Society of China</i> , 2019, 29, 1424-1429.	4.2	11
33	Observing the dynamic rotation and annihilation process of an isolated nanograin at the atomic scale in Al. <i>Materials Characterization</i> , 2019, 147, 311-314.	4.4	4
34	Dynamic interactions between non-screw dislocations and stacking faults during in situ straining in a TEM. <i>Materials Characterization</i> , 2019, 148, 292-296.	4.4	15
35	Effects of Nb additions on structure and mechanical properties evolution of CoCrNi medium-entropy alloy. <i>Materials Express</i> , 2019, 9, 291-298.	0.5	24
36	Thermal stability analysis of a lightweight Al-Zn-Mg-Cu alloy by TEM and tensile tests. <i>Materials Characterization</i> , 2019, 153, 271-283.	4.4	31

#	ARTICLE	IF	CITATIONS
37	Synthesis and Characterization of Ternary Polyaniline/Barium Ferrite/Reduced Graphene Oxide Composite as Microwave-Absorbing Material. <i>Journal of Electronic Materials</i> , 2019, 48, 4400-4408.	2.2	29
38	Microstructure and texture evolution near the adiabatic shear band (ASB) in TC17 Titanium alloy with starting equiaxed microstructure studied by EBSD. <i>Materials Characterization</i> , 2019, 151, 151-165.	4.4	25
39	In situ atomic-scale observation of a novel lattice reorienting process in pure Ti. <i>Scripta Materialia</i> , 2019, 166, 144-148.	5.2	4
40	Microstructure and mechanical property of high growth rate SiC via continuous hot-wire CVD. <i>Journal of the American Ceramic Society</i> , 2019, 102, 5656-5667.	3.8	15
41	Microstructure, properties and thermal stability of W/B4C multilayer coating synthesized by ion beam sputtering. <i>Applied Surface Science</i> , 2019, 464, 10-20.	6.1	13
42	Effect of solution and aging treatment on the microstructure and tensile properties of SiCf/C/Mo/Ti2AlNb composites. <i>Intermetallics</i> , 2018, 95, 33-39.	3.9	6
43	Deformation twinning in response to cracking in Al: An in situ TEM and molecular dynamics study. <i>Scripta Materialia</i> , 2018, 145, 28-32.	5.2	22
44	Effect of quenching on the matrix microstructure of SiCf/Ti-6Al-4V composites. <i>Journal of Materials Science</i> , 2018, 53, 1922-1932.	3.7	5
45	Theoretical investigation on the adsorption and dissociation behaviors of TiCl4 on pyrolytic carbon surface. <i>Applied Surface Science</i> , 2018, 427, 156-165.	6.1	0
46	The structural characterizations of Ti-17 alloy films prepared by magnetron sputtering. <i>Applied Surface Science</i> , 2018, 427, 774-781.	6.1	9
47	Aligned cellulose/nanodiamond plastics with high thermal conductivity. <i>Journal of Materials Chemistry C</i> , 2018, 6, 13108-13113.	5.5	46
48	Twinning-assisted void initiation and crack evolution in Cu thin film: An in situ TEM and molecular dynamics study. <i>Materials Science &amp; Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2018, 737, 336-340.	5.6	12
49	New role of screw dislocation in twin lamella during deformation: An in situ TEM study at the atomic scale. <i>Materials Science &amp; Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2018, 729, 125-129.	5.6	7
50	Self-healing, recoverable epoxy elastomers and their composites with desirable thermal conductivities by incorporating BN fillers via in-situ polymerization. <i>Composites Science and Technology</i> , 2018, 164, 59-64.	7.8	264
51	Nano-scale precipitate evolution and mechanical properties of 7085 aluminum alloy during thermal exposure. <i>Materials Science &amp; Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2018, 729, 411-422.	5.6	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. <i>Composite Interfaces</i> , 2018, 25, 929-947.	2.3	8
54	Deposition of titanium coating on SiC fiber by chemical vapor deposition with Ti-I 2 system. <i>Applied Surface Science</i> , 2017, 406, 62-68.	6.1	12

#	ARTICLE	IF	CITATIONS
55	Structural evolution of copper-silver bimetallic nanowires with core-shell structure revealed by molecular dynamics simulations. <i>Computational Materials Science</i> , 2017, 137, 289-296.	3.0	8
56	Improving the mechanical properties of titanium films by texture strengthening. <i>Materials Characterization</i> , 2017, 127, 365-370.	4.4	13
57	Effect of rate dependence of crack propagation processes on amorphization in Al. <i>Materials Science &amp; Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2017, 684, 71-77.	5.6	5
58	Molecular dynamic simulation of nanocrystal formation and tensile deformation of TiAl alloy. <i>RSC Advances</i> , 2017, 7, 48315-48323.	3.6	21
59	The depth-dependent gradient deformation bands in a sliding friction treated Al-Zn-Mg-Cu alloy. <i>Materials Characterization</i> , 2017, 132, 269-279.	4.4	13
60	Surface gradient nanostructures in high speed machined 7055 aluminum alloy. <i>Journal of Alloys and Compounds</i> , 2017, 726, 367-377.	5.5	34
61	Effect of C/Mo duplex coating on the interface and tensile strength of SiCf/Ti-21Al-29Nb composites. <i>Journal of Alloys and Compounds</i> , 2017, 721, 653-660.	5.5	19
62	Observing the dynamic twinning process in pure Ti at atomic resolution. <i>Scripta Materialia</i> , 2017, 139, 139-143.	5.2	30
63	Microstructure, microtexture and precipitation in the ultrafine-grained surface layer of an Al-Zn-Mg-Cu alloy processed by sliding friction treatment. <i>Materials Characterization</i> , 2017, 123, 189-197.	4.4	30
64	Grain refinement and texture evolution during high precision machining of a Ni-based superalloy. <i>Philosophical Magazine</i> , 2017, 97, 28-42.	1.6	9
65	Prediction of Limit Rotation Speeds of SiC/Ti Composite Rings by Finite Element Analysis. <i>Advanced Engineering Materials</i> , 2017, 19, 1600545.	3.5	4
66	The phase, morphology and surface characterization of Ti-Mo alloy films prepared by magnetron sputtering. <i>RSC Advances</i> , 2017, 7, 52595-52603.	3.6	15
67	Electron tomography of dislocations in an Al-Cu-Mg alloy. <i>IOP Conference Series: Materials Science and Engineering</i> , 2017, 219, 012018.	0.6	4
68	Deposition characteristics of titanium coating deposited on SiC fiber by cold-wall chemical vapor deposition. <i>Materials Chemistry and Physics</i> , 2016, 184, 189-196.	4.0	5
69	Microstructure and interface thermal stability of C/Mo double-coated SiC fiber reinforced $\beta$ -TiAl matrix composites. <i>Transactions of Nonferrous Metals Society of China</i> , 2016, 26, 1317-1325.	4.2	14
70	Structural evolution of TiAl during rapid solidification processing revealed by molecular dynamics simulations. <i>RSC Advances</i> , 2016, 6, 54763-54767.	3.6	18
71	Structure of $\sigma$ Type Intervariant Interface in Nonmodulated Martensite in a Ni-Mn-Ga Alloy. <i>ACS Applied Materials &amp; Interfaces</i> , 2016, 8, 16985-16996.	8.0	10
72	Effects of substrate temperature on the structure, residual stress and nanohardness of Ti6Al4V films prepared by magnetron sputtering. <i>Applied Surface Science</i> , 2016, 370, 53-58.	6.1	36

#	ARTICLE	IF	CITATIONS
73	Evaluation on the interfacial fracture toughness of fiber-reinforced titanium matrix composites by push out test. <i>Composite Interfaces</i> , 2016, 23, 557-569.	2.3	4
74	Theoretical investigation on the interfacial properties of carbon deposited on $\beta$ -SiC(111) substrate. <i>Diamond and Related Materials</i> , 2016, 62, 22-29.	3.9	2
75	Raman investigation of defective SiC nanocrystals. <i>Journal of Raman Spectroscopy</i> , 2015, 46, 1225-1229.	2.5	8
76	Raman Investigation of Interfacial Reaction Product of SiC <sub>f</sub> /Ti43Al9V Composite. <i>Journal of the American Ceramic Society</i> , 2015, 98, 1937-1941.	3.8	5
77	Micromechanical analysis of fiber and titanium matrix interface by shear lag method. <i>Composites Part B: Engineering</i> , 2015, 79, 466-475.	12.0	11
78	Fatigue behaviors of C/Mo double-coated SiC fiber-reinforced Ti6Al4V composites with varied interfacial microstructure. <i>Composite Interfaces</i> , 2015, 22, 689-701.	2.3	3
79	Interfacial reaction in SiCf/Ti-6Al-4V composite by using transmission electron microscopy. <i>Materials Characterization</i> , 2015, 109, 206-215.	4.4	10
80	Microstructure, tensile strength and thermostability of W-core SiC fibers with or without carbon coating. <i>Materials Science &amp; Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2015, 647, 265-276.	5.6	12
81	Finite element analysis of stress distribution and burst failure of SiCf/Ti-6Al-4V composite ring. <i>Transactions of Nonferrous Metals Society of China</i> , 2015, 25, 261-270.	4.2	7
82	In Situ HRTEM Observation of Electron-Irradiation-Induced Amorphization and Dissolution of the E (Al18Cr2Mg3) Phase in 7475 Al Alloy. <i>Acta Metallurgica Sinica (English Letters)</i> , 2015, 28, 147-151.	2.9	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 $\beta$ Phase Field. <i>Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science</i> , 2015, 46, 887-893.	2.2	3
84	Finite element modeling of consolidation process of SiC fiber-reinforced titanium matrix composites via matrix-coated fiber method. <i>Rare Metals</i> , 2015, 34, 844-850.	7.1	5
85	Analysis on the interfacial shear strength of fiber reinforced titanium matrix composites by shear lag method. <i>Materials Science &amp; Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2015, 642, 262-267.	5.6	9
86	A review on the research progress of push-out method in testing interfacial properties of SiC fiber-reinforced titanium matrix composites. <i>Composite Interfaces</i> , 2015, 22, 367-386.	2.3	13
87	Raman investigation of chemical reaction product in thermal-treated SiC <sub>f</sub> /C/Mo/Ti6Al4V composite. <i>Journal of Raman Spectroscopy</i> , 2015, 46, 182-188.	2.5	7
88	Twin relationships between nanotwins inside A-type variant pair in Ni-Mn-Ga alloy. <i>Acta Materialia</i> , 2015, 84, 484-496.	7.9	23
89	First-principles calculation of W/WC interface: Atomic structure, stability and electronic properties. <i>Applied Surface Science</i> , 2015, 324, 205-211.	6.1	39
90	Fatigue properties and fracture analysis of a SiC fiber-reinforced titanium matrix composite. <i>Composites Part B: Engineering</i> , 2015, 68, 336-342.	12.0	34

#	ARTICLE	IF	CITATIONS
91	Quasicrystal dissolution and performance of isothermally heat-treated Mg-Zn-Y alloy. <i>Rare Metals</i> , 2015, 34, 452-456.	7.1	9
92	Development of advanced electron tomography in materials science based on TEM and STEM. <i>Transactions of Nonferrous Metals Society of China</i> , 2014, 24, 3031-3050.	4.2	11
93	First-principles calculation on $\hat{\Gamma}^2$ -SiC(111)/ $\hat{\Gamma}^2$ -WC(0001) interface. <i>Journal of Applied Physics</i> , 2014, 115, .	2.5	39
94	Effect of Hot Isostatic Pressing Parameters on the Microstructures and Grain Growth Behavior of the Matrix of SiCf/Ti-6Al-4V Composites. <i>Rare Metal Materials and Engineering</i> , 2014, 43, 1839-1845.	0.8	8
95	Investigation of interfacial reaction product of SiCf/C/Mo/Ti6Al4V composite through Raman spectroscopy. <i>Applied Physics Letters</i> , 2014, 104, .	3.3	8
96	Microstructure evolution of C/Mo double-coated SiC fiber reinforced Ti6Al4V composites. <i>Materials Science &amp; Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2014, 597, 95-101.	5.6	21
97	Twinning Behaviour in the Intermetallic Compound Al18Cr2Mg3. <i>Acta Metallurgica Sinica (English)</i> Tj ETQq1 1 0.784314 rgBj /Overlock 10	2.9	5
98	Local texture of three-stage CVD SiC fibre by precession electron diffraction (PED) and XRD. <i>Materials Science and Technology</i> , 2014, 30, 1751-1757.	1.6	0
99	Theoretical calculations on the adhesion, stability, electronic structure and bonding of SiC/W interface. <i>Applied Surface Science</i> , 2014, 314, 896-905.	6.1	25
100	Precipitation sequence of $\hat{\Gamma}$ phase along low-angle grain boundaries in Al-Zn-Mg-Cu alloy during artificial aging. <i>Transactions of Nonferrous Metals Society of China</i> , 2014, 24, 2061-2066.	4.2	26
101	Interfacial reaction studies of B4C-coated and C-coated SiC fiber reinforced Ti-43Al-9V composites. <i>Intermetallics</i> , 2014, 50, 14-19.	3.9	20
102	Formation of interfacial microstructures of Mo-coating modified SiC <sub>f</sub> /Mo/Ti-6Al-4V composites. <i>Surface and Interface Analysis</i> , 2013, 45, 667-671.	1.8	2
103	Development of CVD Ti-containing films. <i>Progress in Materials Science</i> , 2013, 58, 1490-1533.	32.8	38
104	First-principles investigation on the electronic and magnetic properties of cubic Be <sub>0.75</sub> Mn <sub>0.25</sub> X (X=S, S, S) Tj ETQq0 0 0 rgBT /Overlock 10	3.5	14
105	Effect of C/Mo duplex coating on the interface and mechanical properties of SiCf/Ti6Al4V composites. <i>Materials Science &amp; Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2013, 566, 47-53.	5.6	11
106	Adhesion and fracture toughness at $\hat{\Gamma}^2$ -Ti(0001)/TiC(111): A first-principles investigation. <i>Applied Surface Science</i> , 2013, 286, 240-248.	6.1	59
107	Theoretical investigations on phase stability, elastic constants and electronic structures of D022- and L12-Al3Ti under high pressure. <i>Journal of Alloys and Compounds</i> , 2013, 556, 214-220.	5.5	48
108	Microstructure and grain growth of the matrix of SiCf/Ti-6Al-4V composites prepared by the consolidation of matrix-coated fibers in the $\hat{\Gamma}^2$ phase field. <i>Composites Part B: Engineering</i> , 2013, 52, 155-163.	12.0	16

#	ARTICLE	IF	CITATIONS
109	Microstructure evolution of TiAl matrix in the process of magnetron sputtering and hot isostatic pressing for fabricating TiAl/SiCf composites. <i>Intermetallics</i> , 2013, 39, 5-10.	3.9	10
110	HRTEM and HAADF-STEM tomography investigation of the heterogeneously formed S (Al <sub>2</sub> CuMg) precipitates in Al-Cu-Mg alloy. <i>Philosophical Magazine</i> , 2013, 93, 1843-1858.	1.6	35
111	An investigation of Ti-43Al-9V/Ti-6Al-4V interface by diffusion bonding. <i>Intermetallics</i> , 2013, 36, 127-132.	3.9	31
112	Investigation of interfacial reaction in SiC fiber reinforced Ti-43Al-9V composites. <i>Intermetallics</i> , 2013, 33, 54-59.	3.9	48
113	Study of matrix microstructure of SiC <sub>f</sub> /Ti-43Al-9V composites. <i>Materials Science and Technology</i> , 2013, 29, 581-586.	1.6	1
114	New lightweight mirror billet: Connection of $\beta$ -TiAl and K9 glass with Ti6Al4V foil as interlayer. <i>Materials Science and Technology</i> , 2013, 29, 250-254.	1.6	1
115	First-principles study of stability and properties on $\beta$ -SiC/TiC(111) interface. <i>Journal of Applied Physics</i> , 2013, 114, .	2.5	31
116	Microstructure and thermal residual stress analysis of SiC fiber through Raman spectroscopy. <i>Journal of Raman Spectroscopy</i> , 2013, 44, 1306-1311.	2.5	14
117	Interfacial properties and electronic structure of $\beta$ -SiC(111)/ $\beta$ -Ti(0001): A first principle study. <i>Journal of Applied Physics</i> , 2013, 113, .	2.5	28
118	Grain-scale growth simulation of SiC film with the Chemical Vapor Deposition method. <i>Computational Materials Science</i> , 2012, 59, 128-132.	3.0	5
119	First-principles study of the Al(001)/Al <sub>3</sub> Ti(001) interfacial properties. <i>Computational Materials Science</i> , 2012, 62, 136-141.	3.0	30
120	Finite element analysis of pressure on 2024 aluminum alloy created during restricting expansion-deformation heat-treatment. <i>Transactions of Nonferrous Metals Society of China</i> , 2012, 22, 2226-2232.	4.2	37
121	Influence of CH <sub>3</sub> SiCl <sub>3</sub> consistency on growth process of SiC film by kinetic monte carlo method. <i>Journal Wuhan University of Technology, Materials Science Edition</i> , 2012, 27, 871-875.	1.0	2
122	Effect of Cu/Mo duplex coating on the interface and property of SiCf/Ti6Al4V composite. <i>Materials Science &amp; Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2012, 535, 6-11.	5.6	17
123	Effect of Mo coating on the interface and mechanical properties of SiC fiber reinforced Ti6Al4V composites. <i>Materials Science &amp; Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2012, 550, 286-292.	5.6	22
124	A three-dimensional atomic scale simulations of CVD-SiC film growth in {111}, {110} and {100} family of planes. <i>Computational Materials Science</i> , 2011, 50, 2338-2346.	3.0	6
125	Study on longitudinal tensile properties of SiCf/Ti-6Al-4V composites with different interfacial shear strength. <i>Materials Science &amp; Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2011, 529, 88-93.	5.6	17
126	STEM-HAADF tomography investigation of grain boundary precipitates in Al-Cu-Mg alloy. <i>Materials Letters</i> , 2011, 65, 2808-2811.	2.6	7



#	ARTICLE	IF	CITATIONS
127	C/Ti/Cu interfacial reaction in SiCf/Cu composites. Rare Metals, 2011, 30, 396-400.	7.1	2
128	Variant selection and the strengthening effect of S precipitates at dislocations in Al-Cu-Mg alloy. Acta Materialia, 2011, 59, 2412-2422.	7.9	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.	5.6	13
130	Raman scattering characterization of a carbon coating after low-energy argon ion bombardment. Physica B: Condensed Matter, 2011, 406, 3876-3884.	2.7	8
131	Microstructure of SiC Fiber Fabricated by Three-stage Chemical Vapor Deposition. Wuji Cailiao Xuebao/Journal of Inorganic Materials, 2011, 25, 1281-1285.	1.3	5
132	Microstructure of SiC fiber fabricated by two-stage chemical vapor deposition on tungsten filament. Journal of Crystal Growth, 2010, 313, 56-61.	1.5	24
133	The analysis on transverse tensile behavior of SiC/Ti-6Al-4V composites by finite element method. Materials & Design, 2010, 31, 3949-3953.	5.1	21
134	Precipitation process along dislocations in Al-Cu-Mg alloy during artificial aging. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2010, 528, 706-714.	5.6	71
135	Grain growth simulation of {111} and {110} oriented CVD-SiC film by Potts Monte Carlo. Computational Materials Science, 2009, 44, 1281-1285.	3.0	6
136	Effect of nickel on the interface and mechanical properties of SiCf/Cu composites. Journal of Alloys and Compounds, 2009, 469, 237-243.	5.5	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.	6.1	6
139	The thermal expansion behavior of unidirectional SiC fiber-reinforced Cu matrix composites. Scripta Materialia, 2008, 58, 401-404.	5.2	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.	4.2	21
141	Kinetics of Interfacial Reaction in SiC <sub>f</sub> /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/Cu matrix composites. Composites Part A: Applied Science and Manufacturing, 2007, 38, 2102-2108.	7.6	10
143	Reaction diffusion in continuous SiC fiber reinforced Ti matrix composite. Transactions of Nonferrous Metals Society of China, 2007, 17, 27-34.	4.2	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.	5.6	2

#	ARTICLE	IF	CITATIONS
145	The fabrication and property of SiC fiber reinforced copper matrix composites. <i>Materials Science &amp; Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2007, 459, 244-250.	5.6	36
146	Analysis of interfacial behavior in titanium matrix composites by using the finite element method (SCS-6/Ti55). <i>Scripta Materialia</i> , 2007, 56, 533-536.	5.2	14
147	Titanium interlayers as adhesion promoters for SiCf/Cu composites. <i>Scripta Materialia</i> , 2007, 56, 569-572.	5.2	11
148	Influence of Substrate Material on Tensile Behavior and Fracture Characteristics of SiC by Chemical Vapour Deposition. <i>Advanced Materials Research</i> , 0, 213, 272-275.	0.3	0