

Xiao-Wu Li

List of Publications by Year in descending order

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218677

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137
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#	ARTICLE	IF	CITATIONS
1	Effect of Short-Range Ordering on the Strength-Ductility Synergy of Fine-Grained Cu-Mn Alloys at Different Temperatures. <i>Acta Metallurgica Sinica (English Letters)</i> , 2022, 35, 651-661.	2.9	4
2	Abnormal relation between tensile and fatigue strengths for a high-strength low-alloy steel. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2022, 832, 142418.	5.6	18
3	Preparation and characterization of calcium phosphate containing coating on plasma electrolytic oxidized magnesium and its corrosion behavior in simulated body fluids. <i>Journal of Alloys and Compounds</i> , 2022, 896, 163042.	5.5	6
4	An artful microstructure in nacre: Superior resistance to fatigue deformation. <i>International Journal of Fatigue</i> , 2022, 157, 106705.	5.7	3
5	A pathway to improve low-cycle fatigue life of face-centered cubic metals via grain boundary engineering. <i>Journal of Materials Science and Technology</i> , 2022, 113, 82-89.	10.7	17
6	Distinctive Impact of Heat Treatment on the Mechanical Behavior of Nacreous and Crossed-Lamellar Structures in Biological Shells: Critical Role of Organic Matrix. <i>ACS Biomaterials Science and Engineering</i> , 2022, 8, 1143-1155.	5.2	7
7	Improving the high-cycle fatigue life of a high-strength spring steel for automobiles by suitable shot peening and heat treatment. <i>International Journal of Fatigue</i> , 2022, 161, 106891.	5.7	15
8	Adsorption and Sensing Properties of Formaldehyde on Chemically Modified Graphene Surfaces. <i>Crystals</i> , 2022, 12, 553.	2.2	9
9	High-Cycle Fatigue Behavior and Fatigue Strength Prediction of Differently Heat-Treated 35CrMo Steels. <i>Metals</i> , 2022, 12, 688.	2.3	8
10	Stress and Defect Effects on Electron Transport Properties at SnO ₂ /Perovskite Interfaces: A First-Principles Insight. <i>ACS Omega</i> , 2022, 7, 16187-16196.	3.5	4
11	Distinct impacts of growth band on the mechanical properties of abalone nacre under compressive and tensile stresses. <i>Journal of Materials Research and Technology</i> , 2022, 19, 669-684.	5.8	3
12	Study on the Fracture Toughness of Softwood and Hardwood Estimated by Boundary Effect Model. <i>Materials</i> , 2022, 15, 4039.	2.9	0
13	Improving Biological Functions of Three-Dimensional Printed Ti2448 Scaffolds by Decoration with Polydopamine and Extracellular Matrices. <i>ACS Applied Bio Materials</i> , 2022, 5, 3982-3990.	4.6	3
14	A crucial impact of short-range ordering on the cyclic deformation and damage behavior of face-centered cubic alloys: A case study on Cu-Mn alloys. <i>Acta Materialia</i> , 2021, 205, 116559.	7.9	34
15	Formaldehyde gas sensing properties of transition metal-doped graphene: a first-principles study. <i>Journal of Materials Science</i> , 2021, 56, 12256-12269.	3.7	21
16	Improving fatigue life of 7N01 Al alloy weld by surface spinning strengthening. <i>Fatigue and Fracture of Engineering Materials and Structures</i> , 2021, 44, 2597-2609.	3.4	4
17	Impact of short range ordering on the anomalous four-stage strain hardening behavior of low solid-solution hardening Ni-Cr alloys. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2021, 814, 141193.	5.6	16
18	Adsorption and Photocatalytic Activity of Nano-magnetic Materials Fe ₃ O ₄ @C@TiO ₂ -AgBr-Ag for Rhodamine B. <i>Current Nanoscience</i> , 2021, 17, 484-493.	1.2	5

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19	A simultaneous improvement of the strength and plasticity of spring steels by replacing Mo with Si. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2021, 820, 141516.	5.6	8
20	Preparation of Polyurea Microcapsules by Interfacial Polymerization of Isocyanate and Chitosan Oligosaccharide. <i>Materials</i> , 2021, 14, 3753.	2.9	9
21	Improving the stress-controlled fatigue life of low solid-solution hardening Ni-Cr alloys by enhancing short range ordering degree. <i>International Journal of Fatigue</i> , 2021, 149, 106266.	5.7	7
22	An Ingenious Microstructure Arrangement in Deep-Sea <i>Nautilus</i> Shell against the Harsh Environment. <i>ACS Biomaterials Science and Engineering</i> , 2021, 7, 4819-4827.	5.2	7
23	A high-strength and high-toughness nacreous structure in a deep-sea Nautilus shell: Critical role of platelet geometry and organic matrix. <i>Journal of Materials Science and Technology</i> , 2021, 88, 189-202.	10.7	21
24	Fatigue mechanism of medium-carbon steel welded joint: Competitive impacts of various defects. <i>International Journal of Fatigue</i> , 2021, 151, 106363.	5.7	18
25	A high specific Young's modulus steel reinforced by spheroidal kappa-carbide. <i>Journal of Materials Science and Technology</i> , 2021, 87, 54-59.	10.7	4
26	A radial distribution of calices in coral skeleton of <i>Pocillopora verrucosa</i> (Ellis and Solander, 1786) against ocean currents. <i>Marine Biology</i> , 2021, 168, 1.	1.5	1
27	Six-fold symmetry origin of Dirac cone formation in two-dimensional materials. <i>New Journal of Physics</i> , 2021, 23, 113033.	2.9	3
28	Tunable formaldehyde sensing properties of palladium cluster decorated graphene. <i>RSC Advances</i> , 2021, 11, 37120-37130.	3.6	9
29	Investigation on the cracking resistances of different ageing treated 18Ni maraging steels. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2020, 771, 138553.	5.6	18
30	Kinking and cracking behavior in nacre under stepwise compressive loading. <i>Materials Science and Engineering C</i> , 2020, 108, 110364.	7.3	19
31	Thickness-dependent mechanical properties of nacre in <i>Cristaria plicata</i> shell: Critical role of interfaces. <i>Journal of Materials Science and Technology</i> , 2020, 44, 1-8.	10.7	19
32	A unique two-stage strength-ductility match in low solid-solution hardening Ni-Cr alloys: Decisive role of short range ordering. <i>Scripta Materialia</i> , 2020, 178, 269-273.	5.2	42
33	Three-dimensional Octameric Assembly of Icosahedral M ₁₃ Units in [Au ₈ Ag ₅₇ (Dppp) ₄ (C ₆ H ₁₁ S) ₃₂ Cl ₂]Cl and its [Au ₈ Ag ₅₅ (Dppp) ₄ (C ₆ H ₁₁ S) ₃₄][BPh ₄]. <i>Angewandte Chemie</i> , 2020, 132, 3919-3923.	2.0	7
34	The ϵ -Carbides in Low-Density Fe-Mn-Al-C Steels: A Review on Their Structure, Precipitation and Deformation Mechanism. <i>Metals</i> , 2020, 10, 1021.	2.3	28
35	Grain boundary engineering of AL6XN super-austenitic stainless steel: Distinctive effects of planar-slip dislocations and deformation twins. <i>Materials Characterization</i> , 2020, 170, 110689.	4.4	16
36	A possibility to synchronously improve the high-temperature strength and ductility in face-centered cubic metals through grain boundary engineering. <i>Scripta Materialia</i> , 2020, 187, 216-220.	5.2	35

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37	Natural arrangement of fiber-like aragonites and its impact on mechanical behavior of mollusk shells: A review. <i>Journal of the Mechanical Behavior of Biomedical Materials</i> , 2020, 110, 103940.	3.1	19
38	Novel injectable and self-setting composite materials for bone defect repair. <i>Science China Materials</i> , 2020, 63, 876-887.	6.3	11
39	Application of Grain Boundary Engineering to Improve Intergranular Corrosion Resistance in a Fe-Cr-Mn-Mo-N High-Nitrogen and Nickel-Free Austenitic Stainless Steel. <i>Acta Metallurgica Sinica (English Letters)</i> , 2020, 33, 789-798.	2.9	19
40	Role of Multi-Scale Microstructure in the Degradation of Al Wire for Power Transmission. <i>Applied Sciences (Switzerland)</i> , 2020, 10, 2234.	2.5	1
41	Versatile carboxylate-directed structures of ten 1D \rightarrow 3D Ni(\rightarrow) coordination polymers: fluorescence behaviors and electrochemical activities. <i>CrystEngComm</i> , 2019, 21, 5344-5355.	2.6	20
42	Impact of Short-Range Clustering on the Multistage Work-Hardening Behavior in Cu-Ni Alloys. <i>Metals</i> , 2019, 9, 151.	2.3	22
43	Metal/Carboxylate-Induced Versatile Structures of Nine 0D \rightarrow 3D Complexes with Different Fluorescent and Electrochemical Behaviors. <i>ACS Omega</i> , 2019, 4, 17366-17378.	3.5	15
44	Thickness-related synchronous increase in strength and ductility of ultrafine-grained pure aluminum sheets. <i>International Journal of Minerals, Metallurgy and Materials</i> , 2019, 26, 1450-1456.	4.9	4
45	Grain boundary character distribution optimization of Cu-16at.%Al alloy by thermomechanical process: Critical role of deformation microstructure. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2019, 765, 138299.	5.6	27
46	Improved thermal expansion and electrochemical performance of La _{0.4} Sr _{0.6} Co _{0.9} Sb _{0.1} O _{3-δ} -Ce _{0.8} Sm _{0.2} O _{1.9} composite cathode for IT-SOFCs. <i>Solid State Sciences</i> , 2019, 91, 126-132.	3.2	26
47	Anomalous recovery of work hardening rate in Cu-Mn alloys with high stacking fault energies under uniaxial compression. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2019, 743, 745-754.	5.6	37
48	Crack initiation and growth in a special quasi-sandwich crossed-lamellar structure in <i>Cymbiola nobilis</i> seashell. <i>Journal of the Mechanical Behavior of Biomedical Materials</i> , 2019, 90, 104-112.	3.1	10
49	Design, Synthesis and Fungicidal Activity against <i>Rhizoctonia solani</i> of New Phenylpyrazoloxyl Propionic Acid Derivatives. <i>Chinese Journal of Organic Chemistry</i> , 2019, 39, 397.	1.3	1
50	2D \rightarrow 3D interlocking Zn(II) arrays directed by uncoordinated groups: Fluorescent behaviors, recycling and enhancements of photocatalytic properties. <i>Polyhedron</i> , 2018, 145, 35-42.	2.2	6
51	Spacers-directed structural diversity of Co(II)/Zn(II) complexes based on S-/O-bridged dipyridylamides: electrochemical, fluorescent recognition behavior and photocatalytic properties. <i>Journal of Coordination Chemistry</i> , 2018, 71, 483-501.	2.2	3
52	Effects of Cr content on the microstructure and stress rupture property of a directionally solidified Ni-based superalloy during long-term thermal exposure. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2018, 718, 449-460.	5.6	14
53	Design, synthesis, and fungicidal activity of novel 1,3,4-oxadiazole derivatives. <i>Chinese Chemical Letters</i> , 2018, 29, 915-918.	9.0	16
54	Microstructure-related in vitro bioactivity of a natural ceramic of <i>Saxidomus purpuratus</i> shell. <i>Materials and Design</i> , 2018, 139, 512-520.	7.0	3

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55	Unraveling submicron-scale mechanical heterogeneity by three-dimensional X-ray microdiffraction. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018, 115, 483-488.	7.1	52
56	Interface Characterization and Performances of a Novel Pure Al Clad Al Alloy Wire. <i>Advanced Engineering Materials</i> , 2018, 20, 1800082.	3.5	3
57	Effect of minor additions on the microstructures and stress rupture properties of a directionally solidified Ni-based superalloy. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2018, 711, 303-312.	5.6	17
58	Synchronously improved fatigue strength and fatigue crack growth resistance in twinning-induced plasticity steels. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2018, 711, 533-542.	5.6	18
59	Variation of the uniaxial tensile behavior of ultrafine-grained pure aluminum after cyclic pre-deformation. <i>International Journal of Minerals, Metallurgy and Materials</i> , 2018, 25, 663-671.	4.9	5
60	Evaluating the fatigue cracking risk of surface strengthened 50CrMnMoVNb spring steel with abnormal life time distribution. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2018, 732, 192-204.	5.6	19
61	Microstructures and high-temperature mechanical properties of a directionally solidified Ni-based superalloy: Influence of boron content. <i>Journal of Alloys and Compounds</i> , 2018, 767, 915-923.	5.5	14
62	Deformation and fracture behavior of a natural shell ceramic: Coupled effects of shell shape and microstructure. <i>Materials Science and Engineering C</i> , 2018, 90, 557-567.	7.3	6
63	Adsorption Properties of Granular Activated Carbon-Supported Titanium Dioxide Particles for Dyes and Copper Ions. <i>Scientific Reports</i> , 2018, 8, 6463.	3.3	25
64	Spacers-induced structural diversity of cobalt coordination polymers based on α -type dipyritylamide and dicarboxylic ligands: Fluorescent, magnetic and photocatalytic properties. <i>Polyhedron</i> , 2017, 126, 205-213.	2.2	9
65	Effects of La doping on electrical conductivity, thermal expansion and electrochemical performance in $\text{La}_x\text{Sr}_{1-x}\text{Co}_{0.9}\text{Sb}_{0.1}\text{O}_3$ cathodes for IT-SOFCs. <i>Ceramics International</i> , 2017, 43, 6487-6493.	4.8	15
66	A good strength-ductility match in Cu-Mn alloys with high stacking fault energies: Determinant effect of short range ordering. <i>Scripta Materialia</i> , 2017, 133, 59-64.	5.2	70
67	Mechanical properties of crossed-lamellar structures in biological shells: A review. <i>Journal of the Mechanical Behavior of Biomedical Materials</i> , 2017, 74, 54-71.	3.1	87
68	<i>Cymbiola nobilis</i> shell: Toughening mechanisms in a crossed-lamellar structure. <i>Scientific Reports</i> , 2017, 7, 40043.	3.3	26
69	Exceptional ring topology makes diamond allotropes as light-weight superhard materials. <i>Diamond and Related Materials</i> , 2017, 80, 140-146.	3.9	0
70	Thickness-Dependent Tensile and Fatigue Behavior of A Slip-Oriented Cu Single Crystal. <i>Crystal Research and Technology</i> , 2017, 52, 1700178.	1.3	5
71	Origins of Dirac cone formation in AB ₃ and A ₃ B (A, B = C, Si, and Ge) binary monolayers. <i>Scientific Reports</i> , 2017, 7, 10546.	3.3	32
72	High-cycle fatigue properties and damage mechanisms of pre-strained Fe-30Mn-0.9C twinning-induced plasticity steel. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2017, 679, 258-271.	5.6	45

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73	Competitive effect of stacking fault energy and short-range clustering on the plastic deformation behavior of Cu-Ni alloys. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2017, 679, 484-492.	5.6	53
74	Crystallographic texture of crossed-lamellar structure in <i>Cymbiola nobilis</i> shell. <i>Journal of the Ceramic Society of Japan</i> , 2017, 125, 419-422.	1.1	3
75	Fatigue and Fracture Behavior of a Cold-Drawn Commercially Pure Aluminum Wire. <i>Materials</i> , 2016, 9, 764.	2.9	9
76	Effect of Pre-Fatigue on the Monotonic Deformation Behavior of a Coplanar Double-Slip-Oriented Cu Single Crystal. <i>Metals</i> , 2016, 6, 293.	2.3	4
77	Strain rate-dependent high temperature compressive deformation characteristics of ultrafine-grained pure aluminum produced by ECAP. <i>Transactions of Nonferrous Metals Society of China</i> , 2016, 26, 966-973.	4.2	5
78	Coupled Influence of Temperature and Strain Rate on Tensile Deformation Characteristics of Hot-Extruded AZ31 Magnesium Alloy. <i>Acta Metallurgica Sinica (English Letters)</i> , 2016, 29, 163-172.	2.9	14
79	Origins of Dirac cones and parity dependent electronic structures of $\hat{1}\pm$ -graphyne derivatives and silagraphynes. <i>Nanoscale</i> , 2016, 8, 15223-15232.	5.6	24
80	Influence of cyclic stress amplitude on mechanisms of deformation of a high nitrogen austenitic stainless steel. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2016, 667, 208-216.	5.6	27
81	Improving intergranular corrosion resistance in a nickel-free and manganese-bearing high-nitrogen austenitic stainless steel through grain boundary character distribution optimization. <i>Corrosion Science</i> , 2016, 107, 49-59.	6.6	99
82	Plastic Deformation and Damage Behaviors of Fe-18Cr-18Mn-0.63N High-Nitrogen Austenitic Stainless Steel under Uniaxial Tension and Compression. <i>Materials Transactions</i> , 2015, 56, 46-53.	1.2	13
83	Effects of Coiling Temperature on the Microstructures, Mechanical Properties and Textures of 08Al Deep Drawing Steel Sheet. <i>Materials Transactions</i> , 2015, 56, 1626-1632.	1.2	0
84	Three-Point Bending Fracture Behavior of Single Oriented Crossed-Lamellar Structure in <i>Scapharca broughtonii</i> Shell. <i>Materials</i> , 2015, 8, 6154-6162.	2.9	11
85	Energetic stability, atomic and electronic structures of extended $\hat{1}^3$ -graphyne: A density functional study. <i>Journal of Molecular Modeling</i> , 2015, 21, 154.	1.8	7
86	Microstructure evolution and strengthening mechanisms of cold-drawn commercially pure aluminum wire. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2015, 639, 103-106.	5.6	64
87	Density functional study of $\hat{1}\pm$ -graphyne derivatives: Energetic stability, atomic and electronic structure. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2015, 70, 190-197.	2.7	13
88	Temperature-Dependent Compressive Deformation Behavior of Commercially Pure Iron Processed by ECAP. <i>Acta Metallurgica Sinica (English Letters)</i> , 2015, 28, 531-541.	2.9	3
89	Origin of Dirac Cones in SiC Silagraphene: A Combined Density Functional and Tight-Binding Study. <i>Journal of Physical Chemistry Letters</i> , 2015, 6, 1333-1339.	4.6	41
90	Biological Self-Organization of Fiber Like Aragonite and Its Effect on Mechanical Behavior of <i>Veined rapa whelk</i> Shell. <i>Journal of the American Ceramic Society</i> , 2015, 98, 3319-3325.	3.8	23

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91	Microstructural Characteristic and its Relation to Mechanical Properties of <i>Clinocardium californiense</i> Shell. <i>Journal of the American Ceramic Society</i> , 2014, 97, 3991-3998.	3.8	21
92	Fractal analysis of microstructure-related indentation toughness of <i>Clinocardium californiense</i> shell. <i>Ceramics International</i> , 2014, 40, 7627-7631.	4.8	15
93	Preparation and Characterizations of Bioglass Ceramic Cement/Ca-P Coating on Pure Magnesium for Biomedical Applications. <i>ACS Applied Materials & Interfaces</i> , 2014, 6, 513-525.	8.0	61
94	Effect of pre-fatigue deformation on thickness-dependent tensile behavior of coarse-grained pure aluminum sheets. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2014, 600, 99-107.	5.6	17
95	Preparation and mechanical property of a novel 3D porous magnesium scaffold for bone tissue engineering. <i>Materials Science and Engineering C</i> , 2014, 42, 362-367.	7.3	81
96	Optimization of grain boundary character distribution in Fe-18Cr-18Mn-0.63N high-nitrogen austenitic stainless steel. <i>Acta Metallurgica Sinica (English Letters)</i> , 2013, 26, 497-502.	2.9	17
97	Processing, microstructure and mechanical properties of biomedical magnesium with a specific two-layer structure. <i>Progress in Natural Science: Materials International</i> , 2013, 23, 183-189.	4.4	18
98	Characterizations of Temperature-Dependent Tensile Deformation and Fracture Features of Commercially Pure Titanium. <i>Materials Transactions</i> , 2013, 54, 1709-1714.	1.2	8
99	EFFECTS OF PRE-FATIGUE DEFORMATION ON THE UNIAXIAL TENSILE BEHAVIOR OF COARSEGRAINED PURE AL. <i>Jinshu Xuebao/Acta Metallurgica Sinica</i> , 2013, 49, 658.	0.3	5
100	Monotonic and Cyclic Deformation in Single Crystals. , 2013, , 2313-2323.		0
101	Dislocation Structures in a Cyclically Deformed Single-Slip-Oriented Fe-35wt% Cr Alloy Single Crystal Containing Fine Cr-Rich Precipitates. <i>Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science</i> , 2012, 43, 5038-5047.	2.2	1
102	Effect of pre-annealing treatment on the compressive deformation and damage behavior of ultrafine-grained copper. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2012, 546, 59-67.	5.6	21
103	Qualitative and quantitative characterizations of fracture surfaces of AL6XN super-austenitic stainless steel fatigued at different stress amplitudes. <i>Progress in Natural Science: Materials International</i> , 2012, 22, 48-52.	4.4	7
104	Microstructural Characterization and Hardness Behavior of a Biological <i>Saxidomus purpuratus</i> Shell. <i>Journal of Materials Science and Technology</i> , 2011, 27, 139-146.	10.7	39
105	Compressive Deformation Behaviors of Coarse- and Ultrafine-Grained Pure Titanium at Different Temperatures: A Comparative Study. <i>Materials Transactions</i> , 2011, 52, 1617-1622.	1.2	36
106	EFFECT OF ECAP ON THE HIGH-TEMPERATURE COMPRESSIVE DEFORMATION BEHAVIOR OF LY12 ALUMINUM ALLOYS. , 2011, , .		0
107	Structure and mechanical properties of <i>Saxidomus purpuratus</i> biological shells. <i>Journal of the Mechanical Behavior of Biomedical Materials</i> , 2011, 4, 1514-1530.	3.1	61
108	Structural characterization and mechanical behavior of a bivalve shell (<i>Saxidomus purpuratus</i>). <i>Materials Science and Engineering C</i> , 2011, 31, 724-729.	7.3	64

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109	Effects of pre-deformation and subsequent low-temperature annealing on transformation, mechanical properties and shape memory behavior of a Ti-rich TiNi alloy. <i>International Journal of Materials Research</i> , 2011, 102, 550-555.	0.3	2
110	EFFECT OF SINTERING TEMPERATURE ON THE STRUCTURE AND BIOACTIVITY OF HAp-5.0wt.%SO ₂ BIOCERAMIC COMPOSITES. , 2011, , .		0
111	SEM Electron Channeling Contrast Imaging of Dislocation Structures in Fatigued [017] Cu Single Crystals Oriented for Critical Double Slip. <i>Materials Transactions</i> , 2010, 51, 887-891.	1.2	4
112	Characterization of dislocation structures in copper single crystals using electron channelling contrast technique in SEM. <i>Crystal Research and Technology</i> , 2009, 44, 315-321.	1.3	20
113	Effect of orientation on the cyclic deformation behavior of silver single crystals: Comparison with the behavior of copper and nickel single crystals. <i>Acta Materialia</i> , 2009, 57, 4845-4854.	7.9	32
114	EFFECT OF STRAIN RATE ON THE HIGH-TEMPERATURE COMPRESSIVE DEFORMATION BEHAVIOR OF ULTRAFINE-GRAINED COPPER. <i>International Journal of Modern Physics B</i> , 2009, 23, 1758-1763.	2.0	6
115	Temperature-dependent deformation and damage behaviour of ultrafine-grained copper under uniaxial compression. <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2008, 205, 2417-2421.	1.8	23
116	Fatigue fracture behavior of a single-slip-oriented Fe-35wt.% Cr alloy single crystal containing fine-scale Cr-rich precipitates. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2008, 483-484, 426-429.	5.6	5
117	Study of fatigue dislocation structures in [233] coplanar double-slip-oriented copper single crystals using SEM electronic channelling contrast. <i>International Journal of Materials Research</i> , 2008, 99, 958-963.	0.3	6
118	Motion of [100]-tilt grain boundaries under cyclic stresses. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2007, 448, 242-248.	5.6	6
119	Compressive and fatigue damage behavior of commercially pure zinc. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2007, 466, 38-46.	5.6	25
120	SEM-ECC observations of dislocation structures in a cyclically deformed Cu single crystal oriented for [$\overline{2}23$] conjugate double slip. <i>Journal of Materials Science</i> , 2007, 42, 4716-4719.	3.7	13
121	Cyclic deformation behavior of a single-slip-oriented Fe-35wt.%Cr alloy single crystal containing fine Cr-rich precipitates. <i>Scripta Materialia</i> , 2003, 48, 545-550.	5.2	10
122	Dislocation Structure in Cyclically Deformed Coplanar Double-Slip-Oriented Copper Single Crystals. <i>Physica Status Solidi A</i> , 2002, 191, 97-105.	1.7	13
123	Dislocation Structure in a Fatigued Cu-16at%Al Alloy Single Crystal Oriented for Double Slip. <i>Physica Status Solidi A</i> , 2002, 192, R1-R3.	1.7	3
124	Dislocation structures in fatigued critical and conjugate double-slip-oriented copper single crystals. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2002, 333, 51-59.	5.6	53
125	SEM-ECC Investigation of Dislocation Arrangements in Cyclically Deformed Copper Single Crystals with Different Crystallographic Orientations. <i>Defect and Diffusion Forum</i> , 2001, 188-190, 153-170.	0.4	25
126	Influence of crystallographic orientation on cyclic strain-hardening behaviour of copper single crystals. <i>Philosophical Magazine Letters</i> , 1999, 79, 869-875.	1.2	21

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127	Cyclic deformation behavior of double-slip-oriented copper single crystals I: coplanar double slip orientation on 011-11,11 side of the stereographic triangle. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 1999, 260, 132-138.	5.6	28
128	Cyclic deformation behavior of double-slip-oriented copper single crystals. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 1999, 265, 18-24.	5.6	26
129	Cyclic deformation behavior of double-slip-oriented copper single crystals III: conjugate double slip orientation on 001-11 side of the stereographic triangle. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 1999, 269, 166-174.	5.6	24
130	Survey of plateau behaviour in the cyclic stress-strain curve of copper single crystals. <i>Philosophical Magazine Letters</i> , 1999, 79, 715-719.	1.2	25
131	Investigation of dislocation structure in a cyclically deformed copper single crystal using electron channeling contrast technique in SEM. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 1998, 248, 299-303.	5.6	18
132	Cyclic stress-strain response and surface deformation features of [011] multiple-slip-oriented copper single crystals. <i>Acta Materialia</i> , 1998, 46, 4497-4505.	7.9	50
133	Quantitative study of correlation between fracture surface roughness and fatigue properties of composites. <i>Materials Letters</i> , 1996, 29, 235-240.	2.6	9
134	Quantitative analysis of fracture surface by roughness and fractal method. <i>Scripta Metallurgica Et Materialia</i> , 1995, 33, 803-809.	1.0	29
135	Controlling Carbide Evolution to Improve the Ductility in High Specific Young's Modulus Steels. <i>Acta Metallurgica Sinica (English Letters)</i> , 0, , 1.	2.9	1
136	Improving the HCHO Sensing Selectivity on Ag-Doped Graphene by Oxygen Functionalization: A First-Principles Study. <i>ACS Omega</i> , 0, , .	3.5	1
137	Growth Ring-dependent Fracture Toughness of Sea Urchin Spines Estimated by Boundary Effect Model. <i>Journal of Bionic Engineering</i> , 0, , .	5.0	0