

Guang-Ping Zhang

List of Publications by Year in descending order

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228
papers

5,186
citations

76196

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229
times ranked

4952
citing authors

#	ARTICLE	IF	CITATIONS
1	Increased Gene Dosage of <i>Ube3a</i> Results in Autism Traits and Decreased Glutamate Synaptic Transmission in Mice. <i>Science Translational Medicine</i> , 2011, 3, 103ra97.	5.8	236
2	Effect of scanning strategy on grain structure and crystallographic texture of Inconel 718 processed by selective laser melting. <i>Journal of Materials Science and Technology</i> , 2018, 34, 1799-1804.	5.6	213
3	Length-scale-controlled fatigue mechanisms in thin copper films. <i>Acta Materialia</i> , 2006, 54, 3127-3139.	3.8	172
4	Disease-causing Mutations in the Cystic Fibrosis Transmembrane Conductance Regulator Determine the Functional Responses of Alveolar Macrophages. <i>Journal of Biological Chemistry</i> , 2009, 284, 35926-35938.	1.6	116
5	Transparent conductive ZnO:Al thin films deposited on flexible substrates prepared by direct current magnetron sputtering. <i>Thin Solid Films</i> , 2006, 497, 20-23.	0.8	101
6	On plasticity and fracture of nanostructured Cu/X (X=Au, Cr) multilayers: The effects of length scale and interface/boundary. <i>Acta Materialia</i> , 2010, 58, 3877-3887.	3.8	101
7	Effect of scanning strategy on mechanical properties of selective laser melted Inconel 718. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2019, 753, 42-48.	2.6	90
8	Delaying premature local necking of high-strength Cu: A potential way to enhance plasticity. <i>Scripta Materialia</i> , 2011, 64, 13-16.	2.6	89
9	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.	1.5	87
10	Damage Behavior of 200-nm Thin Copper Films Under Cyclic Loading. <i>Journal of Materials Research</i> , 2005, 20, 201-207.	1.2	80
11	Thickness dependent fatigue life at microcrack nucleation for metal thin films on flexible substrates. <i>Journal Physics D: Applied Physics</i> , 2008, 41, 195404.	1.3	79
12	Enhanced toughness and fatigue strength of cold roll bonded Cu/Cu laminated composites with mechanical contrast. <i>Scripta Materialia</i> , 2011, 65, 891-894.	2.6	77
13	Nanotwin-assisted grain growth in nanocrystalline gold films under cyclic loading. <i>Nature Communications</i> , 2014, 5, 3021.	5.8	75
14	Effect of film thickness and grain size on fatigue-induced dislocation structures in Cu thin films. <i>Philosophical Magazine Letters</i> , 2003, 83, 477-483.	0.5	73
15	Serum secreted miR-137-containing exosomes affects oxidative stress of neurons by regulating OXR1 in Parkinson's disease. <i>Brain Research</i> , 2019, 1722, 146331.	1.1	73
16	Tensile and fatigue strength of ultrathin copper films. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2008, 483-484, 387-390.	2.6	68
17	On interface strengthening ability in metallic multilayers. <i>Scripta Materialia</i> , 2007, 57, 117-120.	2.6	65
18	Investigation of deformation instability of Au/Cu multilayers by indentation. <i>Philosophical Magazine</i> , 2010, 90, 3049-3067.	0.7	64

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19	Structural characterization and mechanical behavior of a bivalve shell (<i>Saxidomus purpuratus</i>). <i>Materials Science and Engineering C</i> , 2011, 31, 724-729.	3.8	64
20	Compartmentalized Cyclic Adenosine 3'5'-Monophosphate at the Plasma Membrane Clusters PDE3A and Cystic Fibrosis Transmembrane Conductance Regulator into Microdomains. <i>Molecular Biology of the Cell</i> , 2010, 21, 1097-1110.	0.9	63
21	Experimental evidence of plastic deformation instability in nanoscale Au-Cu multilayers. <i>Applied Physics Letters</i> , 2006, 88, 013105.	1.5	61
22	Microstructures and Mechanical Properties of Al/Mg Alloy Multilayered Composites Produced by Accumulative Roll Bonding. <i>Journal of Materials Science and Technology</i> , 2011, 27, 15-21.	5.6	61
23	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.	1.5	61
24	Second-harmonic emission from sub-wavelength apertures: Effects of aperture symmetry and lattice arrangement. <i>Optics Express</i> , 2007, 15, 13894.	1.7	59
25	Data-driven evaluation of fatigue performance of additive manufactured parts using miniature specimens. <i>Journal of Materials Science and Technology</i> , 2019, 35, 1137-1146.	5.6	59
26	Fatigue and thermal fatigue damage analysis of thin metal films. <i>Microelectronics Reliability</i> , 2007, 47, 2007-2013.	0.9	58
27	The Granular Chloride Channel CLC-3 Is Permissive for Insulin Secretion. <i>Cell Metabolism</i> , 2009, 10, 316-323.	7.2	58
28	Differential trafficking of carboxyl isoforms of Ca ²⁺ -gated (Slo1) potassium channels. <i>FEBS Letters</i> , 2007, 581, 1000-1008.	1.3	54
29	Evaluation of the crack-initiation strain of a Cu-Ni multilayer on a flexible substrate. <i>Scripta Materialia</i> , 2009, 60, 178-181.	2.6	54
30	On rate-dependent serrated flow behavior in amorphous metals during nanoindentation. <i>Scripta Materialia</i> , 2005, 52, 1147-1151.	2.6	53
31	Comparative investigation of strength and plastic instability in Cu/Au and Cu/Cr multilayers by indentation. <i>Journal of Materials Research</i> , 2009, 24, 728-735.	1.2	51
32	Aptamer-based microcantilever-array biosensor for profenofos detection. <i>Analytica Chimica Acta</i> , 2018, 1020, 116-122.	2.6	51
33	Fatigue strength of small-scale type 304 stainless steel thin films. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2006, 426, 95-100.	2.6	49
34	Maximizing necking-delayed fracture of sandwich-structured Ni/Cu/Ni composites. <i>Scripta Materialia</i> , 2017, 134, 28-32.	2.6	49
35	Enhancing Fatigue Strength of Selective Laser Melting-Fabricated Inconel 718 by Tailoring Heat Treatment Route. <i>Advanced Engineering Materials</i> , 2018, 20, 1800307.	1.6	47
36	Influence of pulsed substrate bias on the structure and properties of Ti-Al-N films deposited by cathodic vacuum arc. <i>Applied Surface Science</i> , 2012, 258, 7274-7279.	3.1	46

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37	Influence of alloy element partitioning on strength of primary β phase in Ti-6Al-4V alloy. <i>Journal of Materials Science and Technology</i> , 2018, 34, 782-787.	5.6	45
38	Comparative investigation of small punch creep resistance of Inconel 718 fabricated by selective laser melting. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2019, 745, 31-38.	2.6	44
39	Comparative investigation of fracture behaviour of aluminium-doped ZnO films on a flexible substrate. <i>Journal Physics D: Applied Physics</i> , 2009, 42, 175404.	1.3	43
40	Pore-affected fatigue life scattering and prediction of additively manufactured Inconel 718: An investigation based on miniature specimen testing and machine learning approach. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2021, 802, 140693.	2.6	40
41	Interface instability within shear bands in nanoscale Au/Cu multilayers. <i>Scripta Materialia</i> , 2008, 59, 1226-1229.	2.6	39
42	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.	5.6	39
43	Effects of surface roughness and build thickness on fatigue properties of selective laser melted Inconel 718 at 650°C. <i>International Journal of Fatigue</i> , 2020, 137, 105654.	2.8	39
44	Ferric Stability Constants of Representative Marine Siderophores: Marinobactins, Aquachelins, and Petrobactin. <i>Inorganic Chemistry</i> , 2009, 48, 11466-11473.	1.9	38
45	The Classification and Application of Toxic Chinese <i>Materia Medica</i> . <i>Phytotherapy Research</i> , 2014, 28, 334-347.	2.8	38
46	Microstructural vortex formation during cyclic sliding of Cu/Au multilayers. <i>Scripta Materialia</i> , 2015, 107, 67-70.	2.6	37
47	Effect of annealing close to T _g on notch fracture toughness of Pd-based thin-film metallic glass for MEMS applications. <i>Scripta Materialia</i> , 2006, 54, 897-901.	2.6	36
48	Understanding nanoscale damage at a crack tip of multilayered metallic composites. <i>Applied Physics Letters</i> , 2008, 92, 161905.	1.5	36
49	Zn ²⁺ Activates Large Conductance Ca ²⁺ -activated K ⁺ Channel via an Intracellular Domain. <i>Journal of Biological Chemistry</i> , 2010, 285, 6434-6442.	1.6	36
50	An Expanded Biological Repertoire for Ins(3,4,5,6)P4 through its Modulation of CIC-3 Function. <i>Current Biology</i> , 2008, 18, 1600-1605.	1.8	35
51	Two different types of shear-deformation behaviour in Au-Cu multilayers. <i>Philosophical Magazine Letters</i> , 2009, 89, 66-74.	0.5	34
52	The inhibition of histone deacetylase 8 suppresses proliferation and inhibits apoptosis in gastric adenocarcinoma. <i>International Journal of Oncology</i> , 2015, 47, 1819-1828.	1.4	34
53	Microstructural Evolution and Service Performance of Cold-drawn Pure Aluminum Conductor Wires. <i>Journal of Materials Science and Technology</i> , 2017, 33, 1039-1043.	5.6	34
54	Enhanced strain delocalization through formation of dispersive micro shear bands in laminated Ni. <i>International Journal of Plasticity</i> , 2020, 132, 102745.	4.1	34

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55	Scanning strategy dependent tensile properties of selective laser melted GH4169. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2020, 788, 139616.	2.6	34
56	Increase in the fracture toughness and bond energy of clay by a root exudate. <i>European Journal of Soil Science</i> , 2008, 59, 855-862.	1.8	33
57	Size effects on tensile and fatigue behaviour of polycrystalline metal foils at the micrometer scale. <i>Philosophical Magazine</i> , 2011, 91, 932-945.	0.7	33
58	On size effects on fatigue properties of metal foils at micrometer scales. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2013, 575, 217-222.	2.6	33
59	Shear Stress-Driven Refreshing Capability of Plastic Deformation in Nanolayered Metals. <i>Physical Review Letters</i> , 2013, 110, 155502.	2.9	32
60	Strain rate dependent tensile plasticity of ultrafine-grained Cu/Ni laminated composites. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2014, 609, 318-322.	2.6	30
61	Opposite Effects of Low and High Doses of Al ²⁺ on Electrical Network and Neuronal Excitability in the Rat Prefrontal Cortex. <i>PLoS ONE</i> , 2009, 4, e8366.	1.1	30
62	HIF-1 α /microRNA-128-3p axis protects hippocampal neurons from apoptosis via the Axin1-mediated Wnt/ β -catenin signaling pathway in Parkinson's disease models. <i>Aging</i> , 2020, 12, 4067-4081.	1.4	29
63	Performance evaluation and optimum analysis of a photovoltaic-driven electrolyzer system for hydrogen production. <i>International Journal of Hydrogen Energy</i> , 2015, 40, 3170-3179.	3.8	28
64	Fatigue behavior of micro-sized austenitic stainless steel specimens. <i>Materials Letters</i> , 2003, 57, 1555-1560.	1.3	26
65	Small punch creep performance of heterogeneous microstructure dominated Inconel 718 fabricated by selective laser melting. <i>Materials and Design</i> , 2020, 195, 109042.	3.3	26
66	Identification and development of polymorphic ESTSSR markers by sequence alignment in pepper, <i>Capsicum annuum</i> (Solanaceae). <i>American Journal of Botany</i> , 2012, 99, e59-61.	0.8	25
67	Effect of childhood trauma on cognitive functions in a sample of Chinese patients with schizophrenia. <i>Comprehensive Psychiatry</i> , 2017, 76, 147-152.	1.5	25
68	Interface-coupling-dependent mechanical behaviors of sandwich-structured Ni/Cu/Ni composites. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2019, 743, 436-444.	2.6	24
69	Biological Self-Organization of Fiber Like Aragonite and Its Effect on Mechanical Behavior of Veined rapa whelk Shell. <i>Journal of the American Ceramic Society</i> , 2015, 98, 3319-3325.	1.9	23
70	Tensile and fatigue properties of ultrafine Cu-Ni multilayers. <i>Journal Physics D: Applied Physics</i> , 2009, 42, 055411.	1.3	22
71	Nanotwin-enhanced fatigue resistance of ultrathin Ag films for flexible electronics applications. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2016, 676, 421-426.	2.6	22
72	Fracture behavior of sandwich-structured metal/amorphous alloy/metal composites. <i>Materials and Design</i> , 2016, 90, 60-65.	3.3	21

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73	Effect of stress profile on microstructure evolution of cold-drawn commercially pure aluminum wire analyzed by finite element simulation. <i>Journal of Materials Science and Technology</i> , 2018, 34, 1214-1221.	5.6	21
74	Nrf2/HO-1 Mediated Protective Activity of Genistein Against Doxorubicin-Induced Cardiac Toxicity. <i>Journal of Environmental Pathology, Toxicology and Oncology</i> , 2019, 38, 143-152.	0.6	21
75	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.	0.6	20
76	Microstructure Dependent Fatigue Cracking Resistance of Ti-6.5Al-3.5Mo-1.5Zr-0.3Si Alloy. <i>Journal of Materials Science and Technology</i> , 2012, 28, 614-621.	5.6	20
77	Roflumilast enhances cisplatin sensitivity and reverses cisplatin resistance of ovarian cancer cells via cAMP/PKA/CREB FRET signalling axis. <i>Cell Proliferation</i> , 2018, 51, e12474.	2.4	20
78	Protective effect of edaravone on blood-brain barrier by affecting NRF-2/HO-1 signaling pathway. <i>Experimental and Therapeutic Medicine</i> , 2019, 18, 2437-2442.	0.8	20
79	Toward qualification of additively manufactured metal parts: Tensile and fatigue properties of selective laser melted Inconel 718 evaluated using miniature specimens. <i>Journal of Materials Science and Technology</i> , 2022, 97, 239-253.	5.6	20
80	Grain boundary instability dependent fatigue damage behavior in nanoscale gold films on flexible substrates. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2017, 702, 81-86.	2.6	19
81	Inhibition of PAI-1 Activity by Toddalolactone as a Mechanism for Promoting Blood Circulation and Removing Stasis by Chinese Herb <i>Zanthoxylum nitidum</i> var. <i>tomentosum</i> . <i>Frontiers in Pharmacology</i> , 2017, 8, 489.	1.6	18
82	A novel evaluation strategy for fatigue reliability of flexible nanoscale films. <i>Materials Research Express</i> , 2018, 5, 035012.	0.8	18
83	Graphene coating makes copper more resistant to plastic deformation. <i>Composites Communications</i> , 2019, 12, 106-111.	3.3	18
84	Microstructures and strengthening mechanisms of Cu/Ni/W nanolayered composites. <i>Philosophical Magazine</i> , 2013, 93, 434-448.	0.7	17
85	TMED2 promotes epithelial ovarian cancer growth. <i>Oncotarget</i> , 2017, 8, 94151-94165.	0.8	17
86	Long noncoding RNA CASC2 suppresses esophageal squamous cell carcinoma progression by increasing SOCS1 expression. <i>Cell and Bioscience</i> , 2019, 9, 90.	2.1	17
87	Circulating Galectin-3 and Atrial Fibrillation Recurrence after Catheter Ablation: A Meta-Analysis. <i>Cardiovascular Therapeutics</i> , 2019, 2019, 1-8.	1.1	17
88	Modulation of plasminogen activator inhibitor-1 (PAI-1) by the naphthoquinone shikonin. <i>FASEB Journal</i> , 2016, 30, 117-122.	1.1	16
89	Comparative study of the efficacy and pharmacokinetics of reduning injection and atomization inhalation. <i>Biomedicine and Pharmacotherapy</i> , 2019, 118, 109226.	2.5	16
90	RCC2, a regulator of the RalA signaling pathway, is identified as a novel therapeutic target in cisplatin-resistant ovarian cancer. <i>FASEB Journal</i> , 2019, 33, 5350-5365.	0.2	16

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91	Effect of heat treatment on microstructures and tensile properties of TA19 alloy fabricated by laser metal deposition. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2020, 782, 139284.	2.6	16
92	A review on cyclic deformation damage and fatigue fracture behavior of metallic nanolayered composites. <i>Journal of Materials Research</i> , 2019, 34, 1479-1488.	1.2	15
93	Enhancing bending fatigue resistance of the CoCrFeMnNi high-entropy alloy thin foils by Al addition. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2022, 831, 142281.	2.6	15
94	Damage behavior of Cu-Ta bilayered films under cyclic loading. <i>Journal of Materials Research</i> , 2007, 22, 2478-2482.	1.2	14
95	Detecting co-deformation behavior of Cu-Au nanolayered composites. <i>Materials Research Letters</i> , 2017, 5, 20-28.	4.1	14
96	Detecting void-induced scatter of fatigue life of selective laser melting-fabricated inconel 718 using miniature specimens. <i>Materials Research Express</i> , 2019, 6, 046549.	0.8	14
97	Effects of heat treatment on microstructures and mechanical properties of GH4169/K418 functionally graded material fabricated by laser melting deposition. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2021, 821, 141601.	2.6	14
98	Enhancing co-deformation ability of nanograined Ni-W layers in the Ni/Ni-W laminated composites. <i>Acta Materialia</i> , 2021, 216, 117138.	3.8	14
99	Deformation Behavior of Free-Standing Pd-based Thin Film Metallic Glass for Micro Electro Mechanical Systems Applications. <i>Advanced Engineering Materials</i> , 2005, 7, 606-609.	1.6	13
100	Evaluation of thermal fatigue damage of 200-nm-thick Au interconnect lines. <i>Scripta Materialia</i> , 2009, 60, 803-806.	2.6	13
101	Evaluation of plastic deformation ability of Cu/Ni/W metallic multilayers. <i>Thin Solid Films</i> , 2013, 527, 227-231.	0.8	13
102	Fatigue Damage Behavior of Freestanding 40µm Thick Nickel Foils for MEMS Applications. <i>Advanced Engineering Materials</i> , 2013, 15, 496-502.	1.6	13
103	High-Cycle Fatigue Properties of Ultrafine Scale Cu/Ni Laminated Composites. <i>Advanced Engineering Materials</i> , 2016, 18, 2003-2009.	1.6	13
104	Toward an understanding of dwell fatigue damage mechanism of bimodal Ti-6Al-4V alloys. <i>Journal of Materials Science and Technology</i> , 2022, 108, 244-255.	5.6	13
105	Origin of cracking in nanoscale Cu-Ta multilayers. <i>Applied Physics Letters</i> , 2006, 89, 041920.	1.5	12
106	Unusual thermal fatigue behaviors in 60 nm thick Cu interconnects. <i>Scripta Materialia</i> , 2009, 60, 228-231.	2.6	12
107	Fatigue properties of titanium alloy thin foils for MEMS applications. <i>Materials Letters</i> , 2012, 89, 302-304.	1.3	12
108	Forming incoherent twin boundaries: a new way for nanograin growth under cyclic loading. <i>Materials Research Letters</i> , 2017, 5, 95-101.	4.1	12

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109	Enhancing fatigue strength of high-strength ultrafine-scale Cu/Ni laminated composites. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2018, 714, 43-48.	2.6	12
110	Detecting mechanical properties of microstructure units in Ti-6.5Al-3.5Mo-1.5Zr-0.3Si alloy. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2014, 617, 84-88.	2.6	11
111	Chitoooligosaccharide Inhibits Scar Formation and Enhances Functional Recovery in a Mouse Model of Sciatic Nerve Injury. <i>Molecular Neurobiology</i> , 2016, 53, 2249-2257.	1.9	11
112	Optimal Bainite Contents for Maximizing Fatigue Cracking Resistance of Bainite/Martensite Dual-Phase EA4T Steels. <i>Steel Research International</i> , 2018, 89, 1700562.	1.0	11
113	Ruling out delamination in bismuth-enhanced polyimide electrochemical actuator with tunable active/passive layer thickness. <i>Journal of Materials Chemistry A</i> , 2020, 8, 5679-5687.	5.2	11
114	Short fatigue crack growth under mixed mode loading in Ni3Al alloy single crystals. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 1997, 229, 129-136.	2.6	10
115	Scale-dependent fracture mode in Cu-Ni laminate composites. <i>Philosophical Magazine Letters</i> , 2010, 90, 413-421.	0.5	10
116	Geometrical Scale-Sensitive Fatigue Properties of Ti-6.5Al-3.5Mo-1.5Zr-0.3Si Alloys With $\lambda \propto \sqrt{t}$ Lamellar Microstructures. <i>Journal of Materials Science and Technology</i> , 2014, 30, 1284-1288.	5.6	10
117	Strain-gradient dependent fatigue behavior of micron-thick copper single crystal foils. <i>Computational Materials Science</i> , 2014, 85, 223-229.	1.4	10
118	Effects of grain size and initial immobile dislocation density on fatigue behavior of polycrystalline metals. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2014, 590, 194-198.	2.6	10
119	Local-structure-affected behavior during self-driven grain boundary migration. <i>MRS Communications</i> , 2016, 6, 85-91.	0.8	10
120	3D X-ray tomography characterization of creep cavities in small-punch tested 316 stainless steels. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2018, 724, 69-74.	2.6	10
121	Influence of pre-torsion angles on torsion fatigue properties of 45CrMoVA steel bars. <i>International Journal of Fatigue</i> , 2020, 137, 105645.	2.8	10
122	Anisotropy of small punch creep performance of selective laser melted GH4169 at 650°C. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2021, 806, 140608.	2.6	10
123	A hydrogen bond based self-healing superhydrophobic octadecyltriethoxysilane-lignocellulose/silica coating. <i>Progress in Organic Coatings</i> , 2021, 151, 106104.	1.9	10
124	Multiple gastric adenocarcinoma of fundic gland type: A case report. <i>World Journal of Clinical Cases</i> , 2019, 7, 2871-2878.	0.3	10
125	Fatigue crack growth of Ni3Al(CrB) single crystals at ambient and elevated temperatures. <i>Acta Materialia</i> , 1997, 45, 1705-1714.	3.8	9
126	Depth dependent hardness variation in Ni-P amorphous film under nanoindentation. <i>Materials Science and Technology</i> , 2006, 22, 734-737.	0.8	9

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127	Scaling of reliability of gold interconnect lines subjected to alternating current. Applied Physics Letters, 2011, 99, .	1.5	9
128	On Temperature and Strain Rate Dependent Strain Localization Behavior in Ti-6.5Al-3.5Mo-1.5Zr-0.3Si Alloy. Journal of Materials Science and Technology, 2013, 29, 273-278.	5.6	9
129	Revealing the tunable twinning/detwinning behavior in 25-nm Cu/Au multilayers. Applied Physics Letters, 2013, 102, .	1.5	9
130	Deformation-mechanism dependent stretchability of nanocrystalline gold films on flexible substrates. Journal of Materials Research, 2017, 32, 3516-3523.	1.2	9
131	Bioactivity-Guided Fractionation of the Traditional Chinese Medicine Resina Draconis Reveals Loureirin B as a PAI-1 Inhibitor. Evidence-based Complementary and Alternative Medicine, 2017, 2017, 1-8.	0.5	9
132	Cumulative shear strain-induced preferential orientation during abnormal grain growth near fatigue crack tips of nanocrystalline Au films. Journal of Materials Research, 2020, 35, 372-379.	1.2	9
133	In-situ investigation of dwell fatigue damage mechanism of pure Ti using digital image correlation technique. Materials Characterization, 2021, 181, 111466.	1.9	9
134	Competition between dislocation nucleation and void formation as the stress relaxation mechanism in passivated Cu interconnects. Thin Solid Films, 2009, 517, 2936-2940.	0.8	8
135	Characterization of Zr-Si-N films deposited by cathodic vacuum arc with different N ₂ /SiH ₄ flow rates. Applied Surface Science, 2012, 258, 3674-3678.	3.1	8
136	Frequency-dependent failure mechanisms of nanocrystalline gold interconnect lines under general alternating current. Journal of Applied Physics, 2014, 116, .	1.1	8
137	New Mesogenic Compounds Containing a Terminal-Substituted Benzoxazole Unit. Molecular Crystals and Liquid Crystals, 2014, 592, 44-62.	0.4	8
138	Synthesis and toughening behavior of bio-inspired nanocrystalline TiO ₂ /polyelectrolyte nanolayered composites. Materials Research Bulletin, 2014, 50, 128-131.	2.7	8
139	Enhancing fatigue cracking resistance of nanocrystalline Cu films on a flexible substrate. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2015, 627, 61-64.	2.6	8
140	Energetic and thermal properties of tilt grain boundaries in graphene/hexagonal boron nitride heterostructures. Functional Materials Letters, 2015, 08, 1550038.	0.7	8
141	Room-temperature workability of 6063 alloy for fitting clamps of overhead conductor lines. Materials & Design, 2015, 65, 187-192.	5.1	8
142	Postharvest treatment of mandarin fruit using a combination of methyl bromide and phosphine against <i>Bactrocera dorsalis</i> (Diptera: Tephritidae). Pest Management Science, 2020, 76, 1938-1943.	1.7	8
143	Zero-fluoroscopy transeptal puncture guided by right atrial electroanatomical mapping combined with intracardiac echocardiography: A single-center experience. Clinical Cardiology, 2020, 43, 1009-1016.	0.7	8
144	Tailoring sensing behavior of Cu@multi-wall carbon nanotubes/polydimethylsiloxane strain sensors through surface Cu geometrical structures. Journal of Materials Chemistry C, 2020, 8, 5202-5210.	2.7	8

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145	On strain-localized damage in nanoscale Cu-Ta multilayers on a flexible substrate. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2010, 527, 3279-3283.	2.6	7
146	Deformation and damage behavior of colonies in a small-sized β Ti alloy. <i>Scripta Materialia</i> , 2013, 68, 715-718.	2.6	7
147	Bone marrow stromal cells transplantation combined with ultrashortwave therapy promotes functional recovery on spinal cord injury in rats. <i>Synapse</i> , 2015, 69, 139-147.	0.6	7
148	Microcantilever array instrument based on optical fiber and performance analysis. <i>Review of Scientific Instruments</i> , 2017, 88, 075007.	0.6	7
149	Toward an understanding of post-necking behavior in ultrafine-scale Cu/Ni laminated composites. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2018, 716, 72-77.	2.6	7
150	Enhancement of shear stability of a Fe-based amorphous alloy using electrodeposited Ni layers. <i>Journal of Materials Science and Technology</i> , 2018, 34, 2283-2289.	5.6	7
151	Role of Cu/graphene interface in suppressing fatigue damage of submicron Cu films for flexible electronics. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2020, 792, 139786.	2.6	7
152	Achieving very high cycle fatigue performance of Au thin films for flexible electronic applications. <i>Journal of Materials Science and Technology</i> , 2021, 89, 107-113.	5.6	7
153	Maximizing Performance of a Hybrid MnO ₂ /Ni Electrochemical Actuator through Tailoring Lattice Tunnels and Cation Vacancies. <i>ACS Applied Materials & Interfaces</i> , 2022, , .	4.0	7
154	Understanding scale-dependent yield stress of metals at micrometre scales. <i>Philosophical Magazine Letters</i> , 2013, 93, 531-540.	0.5	6
155	Recombinant Human Granulocyte Colony-Stimulating Factor Promotes Preinvasive and Invasive Estrogen Receptor-Positive Tumor Development in MMTV-erbB2 Mice. <i>Journal of Breast Cancer</i> , 2015, 18, 126.	0.8	6
156	Fatigue cracking behavior of 6063 aluminum alloy for fitting clamps of overhead conductor lines. <i>Materials and Design</i> , 2015, 88, 478-484.	3.3	6
157	Tensile Plasticity of Miniature Specimens for a Low Alloy Steel Investigated by Digital Image Correlation Technique. <i>Steel Research International</i> , 2021, 92, 2000685.	1.0	6
158	Deformation and fracture behaviour in Ni ₃ Al alloy single crystals. <i>Journal of Materials Science Letters</i> , 1997, 17, 61-64.	0.5	5
159	Numerical analysis of shape transition in graphene nanoribbons. <i>Computational Materials Science</i> , 2013, 75, 69-72.	1.4	5
160	Microstructures and mechanical performance of polyelectrolyte/nanocrystalline TiO ₂ nanolayered composites. <i>Nanoscale Research Letters</i> , 2013, 8, 44.	3.1	5
161	Mechanical annealing of Cu-Si nanowires during high-cycle fatigue. <i>MRS Communications</i> , 2014, 4, 83-87.	0.8	5
162	A Cantilever Array Sensor Platform Guided by Optical Fibers and Its Sensing Application. <i>Chinese Journal of Analytical Chemistry</i> , 2017, 45, 42-47.	0.9	5

#	ARTICLE	IF	CITATIONS
163	Grain Boundary Effects on Microstructural Stability of Nanocrystalline Metallic Materials. , 0, , .		5
164	Impact of childhood trauma on sensorimotor gating in Chinese patients with chronic schizophrenia. Psychiatry Research, 2018, 263, 69-73.	1.7	5
165	Microstructure-Dependent Local Fatigue Cracking Resistance of Bimodal Ti-6Al-4V Alloys. Advanced Engineering Materials, 2018, 20, 1700702.	1.6	5
166	Optimizing fatigue performance of nacre-mimetic PE/TiO ₂ nanolayered composites by tailoring thickness ratio. Journal of Materials Research, 2018, 33, 1543-1552.	1.2	5
167	Effects and Mechanism of Action of Artemisinin on Mitochondria of Plasmodium berghei. Chinese Journal of Integrative Medicine, 2020, 26, 277-282.	0.7	5
168	A comparative investigation of long-term oxidation behavior of selective laser melting-fabricated Inconel 718 at 650 Å°C. Journal of Materials Research, 2020, 35, 2036-2045.	1.2	5
169	Effect of heat treatment on strain hardening ability of selective laser melted precipitation-hardened GH4169 superalloy. Materials Characterization, 2022, 190, 112064.	1.9	5
170	Fatigue and Thermal Fatigue Damage Analysis of Thin Metal Films. , 0, , .		4
171	Strength and Plastic Deformation Behavior of Nano-Scale Au/Cu and Cr/Cu Multilayers. Advanced Materials Research, 2008, 41-42, 3-8.	0.3	4
172	On the length scale of cyclic strain localization in fine-grained copper films. Philosophical Magazine Letters, 2010, 90, 69-76.	0.5	4
173	Mechanical Characterizations of <i>Saxidomus purpuratus</i> Shells. Key Engineering Materials, 0, 434-435, 601-604.	0.4	4
174	Compressive behaviour of nanocrystalline Mg-5Al alloys. Materials Technology, 2012, 27, 85-87.	1.5	4
175	Bilayer graphene-covered Cu flexible electrode with excellent mechanical reliability and electrical performance. Journal of Materials Research, 2019, 34, 3645-3653.	1.2	4
176	LC-electrolyte switch in a contiguous time segments to analyze multi-components: Simultaneous determination of phenolic acids and iridoids in rat plasma after inhalation administration of Reduning aerosol. Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences, 2019, 1120, 104-112.	1.2	4
177	Preparation and <i>In Vitro/Vivo</i> Evaluation of Nano-Liposomal Form of Febrifugine Hydrochloride. Journal of Nanoscience and Nanotechnology, 2020, 20, 2558-2566.	0.9	4
178	Fatigue of Small-Scale Metal Materials: From Micro- to Nano-Scale. , 2008, , 275-326.		4
179	Crystallographic cracking behavior in $\hat{110}$ oriented Ni ₃ Al alloy single crystals under cyclic loading. Materials Letters, 1997, 30, 175-181.	1.3	3
180	Thermal Fatigue Failure Analysis of Copper Interconnects under Alternating Currents. , 0, , .		3

#	ARTICLE	IF	CITATIONS
181	Direct observation of dislocation plasticity in 100nm scale Au-Cu multilayers. Applied Physics Letters, 2007, 91, .	1.5	3
182	Fatigue Properties of Nanometer-Scale Copper Films. Key Engineering Materials, 2007, 353-358, 116-119.	0.4	3
183	Comparisons of Microstructures and Hardness Distribution between Clinocardium Californiense and Veined Rapa Whelk Shells. Key Engineering Materials, 2013, 544, 295-298.	0.4	3
184	Fatigue and Fracture Reliability of Shellâ€Mimetic PE/TiO ₂ Nanolayered Composites. Advanced Engineering Materials, 2017, 19, 1700246.	1.6	3
185	Surface flaws control strain localization in the deformation of Cu Au nanolaminate pillars. MRS Communications, 2019, 9, 1067-1071.	0.8	3
186	A unified model for determining fracture strain of metal films on flexible substrates. Journal of Materials Science and Technology, 2020, 54, 87-94.	5.6	3
187	Schizophrenia Patient Shows a Rare Interleukin 15 Receptor alpha Variant Disrupting Signal Transduction. Current Molecular Medicine, 2019, 19, 560-569.	0.6	3
188	Theoretical Evaluation of Strengthening Ability of Phase Interfaces in Lamellar Ti Alloys. Advanced Engineering Materials, 0, , 2101570.	1.6	3
189	MODE I AND MIXED MODE I/II FATIGUE CRACKING IN Ni ₃ Al(CrB) SINGLE CRYSTALS. Fatigue and Fracture of Engineering Materials and Structures, 1997, 20, 883-894.	1.7	2
190	Crystallographic study of fatigue cracking in Ni ₃ Al(CrB) single crystal. Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science, 1997, 28, 665-672.	1.1	2
191	Creepâ€“fatigue crack growth of intermetallic compound Ni ₃ Al(B) at elevated temperatures. Materials Science and Technology, 1999, 15, 1230-1235.	0.8	2
192	Microscopic Investigation of Strain Localization and Fatigue Damage in Thin Cu Films. Materials Science Forum, 2005, 475-479, 3647-3650.	0.3	2
193	Suppression of Premature Fracture of Silicon under Threeâ€Point Bending: Role of Nanoscale Localized Deformation of Metallic Multilayered Coating. Advanced Engineering Materials, 2009, 11, 63-66.	1.6	2
194	Mechanical Behavior of Nanostructured Materials. Journal of Nanomaterials, 2015, 2015, 1-2.	1.5	2
195	Parametric optimization designs of a thermoelectric refrigeration device existing Zeeman and Coulomb effects. Energy Conversion and Management, 2017, 138, 237-247.	4.4	2
196	Dislocation-dominated non-crystallographic rotation in shear bands of Cu/Au nanolayered composites. Materials Letters, 2018, 226, 67-70.	1.3	2
197	Evaluation of the Lowâ€Cycle Fatigue Life of Thin Dualâ€Phase Steel Sheets for Automobiles Using Miniature Specimens. Steel Research International, 2019, 90, 1900186.	1.0	2
198	Fatigue behavior of nanoscale Mo/W multilayers on flexible substrates. MRS Advances, 2019, 4, 2309-2317.	0.5	2

#	ARTICLE	IF	CITATIONS
199	Toward Eliminating Discontinuous Yielding Behavior of the EA4T Steel. <i>Materials</i> , 2021, 14, 6121.	1.3	2
200	Hierarchically Structured Ni-Enhanced Flexible Multiwall Carbon Nanotubes/Polydimethylsiloxane for a High-Performance Pressure Sensor. <i>Advanced Materials Interfaces</i> , 2021, 8, 2101362.	1.9	2
201	Cyclic deformation behaviour of [023] oriented Ni ₃ Al(B) single crystals. <i>Materials Science and Technology</i> , 1999, 15, 468-470.	0.8	1
202	Evaluation of Reliability of Metal Films/Multilayers. , 2008, , .		1
203	Enhanced Plasticity of Cu-Based Laminated Composites Produced by Cold Roll-Bonding. <i>Materials Science Forum</i> , 2010, 667-669, 1015-1020.	0.3	1
204	A Decision Making Support System for Ocean-bottom Seismometer Position based on GIS. <i>Procedia Computer Science</i> , 2013, 18, 2454-2457.	1.2	1
205	Exploring transgene transfer from the transgenic chicken model to its offspring through a nonviral vector. <i>Russian Journal of Bioorganic Chemistry</i> , 2017, 43, 570-575.	0.3	1
206	Grain refinement of micrometer-scale Cu foils through accumulative cyclic deformation. <i>Materials Research Express</i> , 2018, 5, 066406.	0.8	1
207	Performance optimization of liquid crystal optical phased array beam based on stochastic parallel gradient descent algorithm. , 2019, , .		1
208	Effects of Orientation and Loading Mode on Short Fatigue Crack Growth in Ni ₃ Al Alloy Single Crystals. <i>Key Engineering Materials</i> , 1998, 145-149, 871-876.	0.4	0
209	Title is missing!. <i>Journal of Materials Science Letters</i> , 1997, 16, 953-957.	0.5	0
210	Fatigue Strength and Damage Behaviors of Multi-Scale Metallic Films and Multilayers. , 2007, , .		0
211	Effects of Microstructures on Strength and Fatigue Properties of Long-Term-Serviced F12 Steels. <i>Key Engineering Materials</i> , 2007, 353-358, 295-298.	0.4	0
212	In Situ Thermal-Mechanical Fatigue Testing of Thin Au Lines. <i>Key Engineering Materials</i> , 2007, 353-358, 2916-2919.	0.4	0
213	Toward Understanding Size-Dependent Plasticity of Nanolayered Metallic Composites. <i>Materials Science Forum</i> , 0, 633-634, 637-646.	0.3	0
214	A simple optical sequential illumination for microcantilever array. <i>Procedia Engineering</i> , 2010, 7, 235-238.	1.2	0
215	Design and Analysis of Folding Linkage Based on Five Functional Medical Bed. <i>Applied Mechanics and Materials</i> , 0, 42, 9-12.	0.2	0
216	Deformation behaviour of nanocrystalline Mg-Al alloys during nanoindentation. , 2010, , .		0

#	ARTICLE	IF	CITATIONS
217	Zn ²⁺ Activates Human Large-Conductance Ca ²⁺ -Activated K ⁺ Channel. Biophysical Journal, 2010, 98, 316a.	0.2	0
218	The Road of Regional Architecture with Chinese Characteristics. Advanced Materials Research, 0, 450-451, 956-959.	0.3	0
219	The Space Design of Radio and Television Building in the Digital and Network Era. Advanced Materials Research, 0, 450-451, 942-946.	0.3	0
220	The Technique of Ion Beam Etching Polishing. Applied Mechanics and Materials, 2013, 395-396, 1066-1070.	0.2	0
221	The Planarization Technology of Optical Element Surface. Applied Mechanics and Materials, 0, 401-403, 942-945.	0.2	0
222	Research on precision grinding processing and compensation finishing experiment for mid-large-aperture square aspheric optical element. Proceedings of SPIE, 2014, , .	0.8	0
223	A model revealing grain boundary arrangement-dominated fatigue cracking behavior in nanoscale metallic multilayers. MRS Communications, 2019, 9, 936-940.	0.8	0
224	Length-scale dominated thermal fatigue behavior in nanocrystalline Au interconnect lines. Materialia, 2019, 7, 100337.	1.3	0
225	COMPRESSIVE BEHAVIOUR OF NANOCRYSTALLINE Mg-5%Al ALLOYS. , 2011, , .		0
226	Synchronous detection technology optics surface microstructure Research and characterization methods. , 2015, , .		0
227	Research on low sub-surface damage detection of hard brittle optics materials. , 2017, , .		0
228	The Research of ZnSe Aspheric Vacuum Plasma Sputtering Polishing Surface Roughness. DEStech Transactions on Engineering and Technology Research, 2017, , .	0.0	0