

Guang-Ping Zhang

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218
papers

3,817
citations

34
h-index

52
g-index

229
ext. papers

4,537
ext. citations

4.4
avg, IF

5.69
L-index

#	Paper	IF	Citations
218	Increased gene dosage of Ube3a results in autism traits and decreased glutamate synaptic transmission in mice. <i>Science Translational Medicine</i> , 2011 , 3, 103ra97	17.5	190
217	Length-scale-controlled fatigue mechanisms in thin copper films. <i>Acta Materialia</i> , 2006 , 54, 3127-3139	8.4	142
216	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	9.1	137
215	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	2.2	97
214	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	8.4	91
213	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, 35926-38	5.4	88
212	Damage behavior of 200-nm thin copper films under cyclic loading. <i>Journal of Materials Research</i> , 2005 , 20, 201-207	2.5	74
211	Delaying premature local necking of high-strength Cu: A potential way to enhance plasticity. <i>Scripta Materialia</i> , 2011 , 64, 13-16	5.6	68
210	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	1	63
209	Enhanced toughness and fatigue strength of cold roll bonded Cu/Cu laminated composites with mechanical contrast. <i>Scripta Materialia</i> , 2011 , 65, 891-894	5.6	62
208	Thickness dependent fatigue life at microcrack nucleation for metal thin films on flexible substrates. <i>Journal Physics D: Applied Physics</i> , 2008 , 41, 195404	3	58
207	Nanotwin-assisted grain growth in nanocrystalline gold films under cyclic loading. <i>Nature Communications</i> , 2014 , 5, 3021	17.4	56
206	Second-harmonic emission from sub-wavelength apertures: Effects of aperture symmetry and lattice arrangement. <i>Optics Express</i> , 2007 , 15, 13894-906	3.3	56
205	Compartmentalized cyclic adenosine 3',5'-bisphosphate at the plasma membrane clusters PDE3A and cystic fibrosis transmembrane conductance regulator into microdomains. <i>Molecular Biology of the Cell</i> , 2010 , 21, 1097-110	3.5	55
204	Structural characterization and mechanical behavior of a bivalve shell (<i>Saxidomus purpuratus</i>). <i>Materials Science and Engineering C</i> , 2011 , 31, 724-729	8.3	55
203	On interface strengthening ability in metallic multilayers. <i>Scripta Materialia</i> , 2007 , 57, 117-120	5.6	55
202	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	5.3	54

201	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	4.1	53
200	Experimental evidence of plastic deformation instability in nanoscale Au/Cu multilayers. <i>Applied Physics Letters</i> , 2006 , 88, 013105	3.4	53
199	Investigation of deformation instability of Au/Cu multilayers by indentation. <i>Philosophical Magazine</i> , 2010 , 90, 3049-3067	1.6	51
198	Differential trafficking of carboxyl isoforms of Ca ²⁺ -gated (Slo1) potassium channels. <i>FEBS Letters</i> , 2007 , 581, 1000-8	3.8	50
197	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	5.3	49
196	On rate-dependent serrated flow behavior in amorphous metals during nanoindentation. <i>Scripta Materialia</i> , 2005 , 52, 1147-1151	5.6	49
195	Structure and mechanical properties of <i>Saxidomus purpuratus</i> biological shells. <i>Journal of the Mechanical Behavior of Biomedical Materials</i> , 2011 , 4, 1514-30	4.1	48
194	The granular chloride channel CLC-3 is permissive for insulin secretion. <i>Cell Metabolism</i> , 2009 , 10, 316-23	24.6	48
193	Fatigue and thermal fatigue damage analysis of thin metal films. <i>Microelectronics Reliability</i> , 2007 , 47, 2007-2013	1.2	48
192	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	9.1	47
191	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	2.5	44
190	Evaluation of the crack-initiation strain of a Cu/Ni multilayer on a flexible substrate. <i>Scripta Materialia</i> , 2009 , 60, 178-181	5.6	44
189	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	5.3	43
188	Influence of pulsed substrate bias on the structure and properties of Ti/AlN films deposited by cathodic vacuum arc. <i>Applied Surface Science</i> , 2012 , 258, 7274-7279	6.7	38
187	Interface instability within shear bands in nanoscale Au/Cu multilayers. <i>Scripta Materialia</i> , 2008 , 59, 1226-1229	5.1229	38
186	Comparative investigation of fracture behaviour of aluminium-doped ZnO films on a flexible substrate. <i>Journal Physics D: Applied Physics</i> , 2009 , 42, 175404	3	37
185	Understanding nanoscale damage at a crack tip of multilayered metallic composites. <i>Applied Physics Letters</i> , 2008 , 92, 161905	3.4	35
184	Aptamer-based microcantilever-array biosensor for profenofos detection. <i>Analytica Chimica Acta</i> , 2018 , 1020, 116-122	6.6	34

183	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	3.7	34
182	Ferric stability constants of representative marine siderophores: marinobactins, aquachelins, and petrobactin. <i>Inorganic Chemistry</i> , 2009 , 48, 11466-73	5.1	34
181	Enhancing Fatigue Strength of Selective Laser Melting-Fabricated Inconel 718 by Tailoring Heat Treatment Route. <i>Advanced Engineering Materials</i> , 2018 , 20, 1800307	3.5	33
180	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	5.6	33
179	Microstructural vortex formation during cyclic sliding of Cu/Au multilayers. <i>Scripta Materialia</i> , 2015 , 107, 67-70	5.6	32
178	Zn ²⁺ activates large conductance Ca ²⁺ -activated K ⁺ channel via an intracellular domain. <i>Journal of Biological Chemistry</i> , 2010 , 285, 6434-42	5.4	32
177	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	3.4	31
176	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	9.1	31
175	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	9.1	30
174	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	9.1	28
173	Size effects on tensile and fatigue behaviour of polycrystalline metal foils at the micrometer scale. <i>Philosophical Magazine</i> , 2011 , 91, 932-945	1.6	28
172	An expanded biological repertoire for Ins(3,4,5,6)P4 through its modulation of CLC-3 function. <i>Current Biology</i> , 2008 , 18, 1600-5	6.3	28
171	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	5.3	28
170	Shear stress-driven refreshing capability of plastic deformation in nanolayered metals. <i>Physical Review Letters</i> , 2013 , 110, 155502	7.4	27
169	Two different types of shear-deformation behaviour in Au/Cu multilayers. <i>Philosophical Magazine Letters</i> , 2009 , 89, 66-74	1	27
168	Maximizing necking-delayed fracture of sandwich-structured Ni/Cu/Ni composites. <i>Scripta Materialia</i> , 2017 , 134, 28-32	5.6	26
167	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	5.3	24
166	Opposite effects of low and high doses of Abeta42 on electrical network and neuronal excitability in the rat prefrontal cortex. <i>PLoS ONE</i> , 2009 , 4, e8366	3.7	24

165	Microstructural Evolution and Service Performance of Cold-drawn Pure Aluminum Conductor Wires. <i>Journal of Materials Science and Technology</i> , 2017 , 33, 1039-1043	9.1	23
164	The classification and application of toxic Chinese materia medica. <i>Phytotherapy Research</i> , 2014 , 28, 334-47	4.7	23
163	The inhibition of histone deacetylase 8 suppresses proliferation and inhibits apoptosis in gastric adenocarcinoma. <i>International Journal of Oncology</i> , 2015 , 47, 1819-28	4.4	23
162	Fatigue behavior of micro-sized austenitic stainless steel specimens. <i>Materials Letters</i> , 2003 , 57, 1555-1560	5.0	22
161	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	5.3	21
160	Identification and development of polymorphic EST-SSR markers by sequence alignment in pepper, <i>Capsicum annuum</i> (Solanaceae). <i>American Journal of Botany</i> , 2012 , 99, e59-61	2.7	20
159	Tensile and fatigue properties of ultrafine Cu/Ni multilayers. <i>Journal Physics D: Applied Physics</i> , 2009 , 42, 055411	3	19
158	Fracture behavior of sandwich-structured metal/amorphous alloy/metal composites. <i>Materials and Design</i> , 2016 , 90, 60-65	8.1	18
157	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	6.7	18
156	Biological Self-Arrangement 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	3.8	17
155	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	5	17
154	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	5.3	17
153	Effect of childhood trauma on cognitive functions in a sample of Chinese patients with schizophrenia. <i>Comprehensive Psychiatry</i> , 2017 , 76, 147-152	7.3	16
152	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	16
151	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	5.3	16
150	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	5.3	16
149	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	5.3	16
148	Microstructures and strengthening mechanisms of Cu/Ni/W nanolayered composites. <i>Philosophical Magazine</i> , 2013 , 93, 434-448	1.6	15

147	Microstructure Dependent Fatigue Cracking Resistance of Ti _{0.5} Al _{0.5} Mo _{0.5} Zr _{0.3} Si Alloy. <i>Journal of Materials Science and Technology</i> , 2012 , 28, 614-621	9.1	15
146	Long noncoding RNA CASC2 suppresses esophageal squamous cell carcinoma progression by increasing SOCS1 expression. <i>Cell and Bioscience</i> , 2019 , 9, 90	9.8	15
145	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	0.9	14
144	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	3.5	13
143	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	2.1	12
142	Enhanced strain delocalization through formation of dispersive micro shear bands in laminated Ni. <i>International Journal of Plasticity</i> , 2020 , 132, 102745	7.6	12
141	Inhibition of PAI-1 Activity by Toddalolactone as a Mechanism for Promoting Blood Circulation and Removing Stasis by Chinese Herb var.. <i>Frontiers in Pharmacology</i> , 2017 , 8, 489	5.6	12
140	Evaluation of plastic deformation ability of Cu/Ni/W metallic multilayers. <i>Thin Solid Films</i> , 2013 , 527, 227-231	2.2	12
139	Unusual thermal fatigue behaviors in 60nm thick Cu interconnects. <i>Scripta Materialia</i> , 2009 , 60, 228-231	5.6	12
138	HIF-1 α /microRNA-128-3p axis protects hippocampal neurons from apoptosis via the -mediated Wnt/ β -catenin signaling pathway in Parkinson's disease models. <i>Aging</i> , 2020 , 12, 4067-4081	5.6	12
137	Modulation of plasminogen activator inhibitor-1 (PAI-1) by the naphthoquinone shikonin. <i>Pharmacotherapy</i> , 2016 , 113, 117-22	3.2	12
136	Graphene coating makes copper more resistant to plastic deformation. <i>Composites Communications</i> , 2019 , 12, 106-111	6.7	11
135	A review on cyclic deformation damage and fatigue fracture behavior of metallic nanolayered composites. <i>Journal of Materials Research</i> , 2019 , 34, 1479-1488	2.5	11
134	A novel evaluation strategy for fatigue reliability of flexible nanoscale films. <i>Materials Research Express</i> , 2018 , 5, 035012	1.7	11
133	Roflumilast enhances cisplatin-sensitivity and reverses cisplatin-resistance of ovarian cancer cells via cAMP/PKA/CREB-FtMt signalling axis. <i>Cell Proliferation</i> , 2018 , 51, e12474	7.9	11
132	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	5.3	11
131	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	9.1	11
130	TMED2 promotes epithelial ovarian cancer growth. <i>Oncotarget</i> , 2017 , 8, 94151-94165	3.3	10

129	Strain-gradient dependent fatigue behavior of micron-thick copper single crystal foils. <i>Computational Materials Science</i> , 2014 , 85, 223-229	3.2	10
128	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	5.3	10
127	Fatigue Damage Behavior of Freestanding 40 μ m-Thick Nickel Foils for MEMS Applications. <i>Advanced Engineering Materials</i> , 2013 , 15, 496-502	3.5	10
126	Scale-dependent fracture mode in Cu/Ni laminate composites. <i>Philosophical Magazine Letters</i> , 2010 , 90, 413-421	1	10
125	Evaluation of thermal fatigue damage of 200-nm-thick Au interconnect lines. <i>Scripta Materialia</i> , 2009 , 60, 803-806	5.6	10
124	Origin of cracking in nanoscale Cu/Ni multilayers. <i>Applied Physics Letters</i> , 2006 , 89, 041920	3.4	10
123	Damage behavior of Cu/Ni bilayered films under cyclic loading. <i>Journal of Materials Research</i> , 2007 , 22, 2478-2482	2.5	10
122	Small punch creep performance of heterogeneous microstructure dominated Inconel 718 fabricated by selective laser melting. <i>Materials and Design</i> , 2020 , 195, 109042	8.1	10
121	High-Cycle Fatigue Properties of Ultrafine-Scale Cu/Ni Laminated Composites . <i>Advanced Engineering Materials</i> , 2016 , 18, 2003-2009	3.5	9
120	Chitooligosaccharide Inhibits Scar Formation and Enhances Functional Recovery in a Mouse Model of Sciatic Nerve Injury. <i>Molecular Neurobiology</i> , 2016 , 53, 2249-57	6.2	9
119	Detecting co-deformation behavior of Cu/Au nanolayered composites. <i>Materials Research Letters</i> , 2017 , 5, 20-28	7.4	9
118	Forming incoherent twin boundaries: a new way for nanograin growth under cyclic loading. <i>Materials Research Letters</i> , 2017 , 5, 95-101	7.4	9
117	Fatigue properties of titanium alloy thin foils for MEMS applications. <i>Materials Letters</i> , 2012 , 89, 302-304	3.3	9
116	Revealing the tunable twinning/detwinning behavior in 25 nm Cu/Au multilayers. <i>Applied Physics Letters</i> , 2013 , 102, 211905	3.4	9
115	Scaling of reliability of gold interconnect lines subjected to alternating current. <i>Applied Physics Letters</i> , 2011 , 99, 011910	3.4	9
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	5.3	9
113	Depth dependent hardness variation in NiB amorphous film under nanoindentation. <i>Materials Science and Technology</i> , 2006 , 22, 734-737	1.5	9
112	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	2.1	9

111	Circulating Galectin-3 and Atrial Fibrillation Recurrence after Catheter Ablation: A Meta-Analysis. <i>Cardiovascular Therapeutics</i> , 2019 , 2019, 4148129	3.3	9
110	Room-temperature workability of 6063 alloy for fitting clamps of overhead conductor lines. <i>Materials & Design</i> , 2015 , 65, 187-192		8
109	Bioactivity-Guided Fractionation of the Traditional Chinese Medicine Resina Draconis Reveals Loureirin B as a PAI-1 Inhibitor. <i>Evidence-based Complementary and Alternative Medicine</i> , 2017 , 2017, 9425963	2.3	8
108	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	5.3	8
107	Local-structure-affected behavior during self-driven grain boundary migration. <i>MRS Communications</i> , 2016 , 6, 85-91	2.7	8
106	Synthesis and toughening behavior of bio-inspired nanocrystalline TiO ₂ /polyelectrolyte nanolayered composites. <i>Materials Research Bulletin</i> , 2014 , 50, 128-131	5.1	8
105	On Temperature and Strain Rate Dependent Strain Localization Behavior in Ti ₈ Al ₈ Mo ₈ Zr _{0.3} Si Alloy. <i>Journal of Materials Science and Technology</i> , 2013 , 29, 273-278	9.1	8
104	Enhancing fatigue cracking resistance of nanocrystalline Cu films on a flexible substrate. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2015 , 627, 61-64	5.3	8
103	Frequency-dependent failure mechanisms of nanocrystalline gold interconnect lines under general alternating current. <i>Journal of Applied Physics</i> , 2014 , 116, 103509	2.5	8
102	Geometrical Scale-Sensitive Fatigue Properties of Ti ₈ Al ₈ Mo ₈ Zr _{0.3} Si Alloys With λ Lamellar Microstructures. <i>Journal of Materials Science and Technology</i> , 2014 , 30, 1284-1288	9.1	8
101	Fatigue crack growth of Ni ₃ Al(CrB) single crystals at ambient and elevated temperatures. <i>Acta Materialia</i> , 1997 , 45, 1705-1714	8.4	8
100	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	5.3	7
99	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	5.3	7
98	Characterization of ZrBi ₂ films deposited by cathodic vacuum arc with different N ₂ /SiH ₄ flow rates. <i>Applied Surface Science</i> , 2012 , 258, 3674-3678	6.7	7
97	Competition between dislocation nucleation and void formation as the stress relaxation mechanism in passivated Cu interconnects. <i>Thin Solid Films</i> , 2009 , 517, 2936-2940	2.2	7
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	1.7	7
95	Optimal Bainite Contents for Maximizing Fatigue Cracking Resistance of Bainite/Martensite Dual-Phase EA4T Steels. <i>Steel Research International</i> , 2018 , 89, 1700562	1.6	6
94	Comparative study of the efficacy and pharmacokinetics of reduning injection and atomization inhalation. <i>Biomedicine and Pharmacotherapy</i> , 2019 , 118, 109226	7.5	6

93	New Mesogenic Compounds Containing a Terminal-Substituted Benzoxazole Unit. <i>Molecular Crystals and Liquid Crystals</i> , 2014 , 592, 44-62	0.5	6
92	Detecting mechanical properties of microstructure units in Ti _{0.5} Al _{0.5} Mo _{0.5} Zr _{0.3} Si alloy. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2014 , 617, 84-88	5.3	6
91	Deformation-mechanism dependent stretchability of nanocrystalline gold films on flexible substrates. <i>Journal of Materials Research</i> , 2017 , 32, 3516-3523	2.5	6
90	Microcantilever array instrument based on optical fiber and performance analysis. <i>Review of Scientific Instruments</i> , 2017 , 88, 075007	1.7	6
89	Bone marrow stromal cells transplantation combined with ultrashortwave therapy promotes functional recovery on spinal cord injury in rats. <i>Synapse</i> , 2015 , 69, 139-47	2.4	5
88	Energetic and thermal properties of tilt grain boundaries in graphene/hexagonal boron nitride heterostructures. <i>Functional Materials Letters</i> , 2015 , 08, 1550038	1.2	5
87	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	5.3	5
86	Numerical analysis of shape transition in graphene nanoribbons. <i>Computational Materials Science</i> , 2013 , 75, 69-72	3.2	5
85	Deformation and damage behavior of colonies in a small-sized Ti alloy. <i>Scripta Materialia</i> , 2013 , 68, 715-718	5.6	5
84	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, 126-33	3	5
83	Mechanical annealing of Cu-Si nanowires during high-cycle fatigue. <i>MRS Communications</i> , 2014 , 4, 83-87	2.7	5
82	Understanding scale-dependent yield stress of metals at micrometre scales. <i>Philosophical Magazine Letters</i> , 2013 , 93, 531-540	1	5
81	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	5.3	5
80	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	9.1	5
79	A Cantilever Array Sensor Platform Guided by Optical Fibers and Its Sensing Application. <i>Chinese Journal of Analytical Chemistry</i> , 2017 , 45, 42-47	1.6	4
78	Fatigue cracking behavior of 6063 aluminum alloy for fitting clamps of overhead conductor lines. <i>Materials and Design</i> , 2015 , 88, 478-484	8.1	4
77	Zero-fluoroscopy transeptal puncture guided by right atrial electroanatomical mapping combined with intracardiac echocardiography: A single-center experience. <i>Clinical Cardiology</i> , 2020 , 43, 1009-1016	3.3	4
76	Tailoring sensing behavior of Cu@multi-wall carbon nanotubes/polydimethylsiloxane strain sensors through surface Cu geometrical structures. <i>Journal of Materials Chemistry C</i> , 2020 , 8, 5202-5210	7.1	4

75	Optimizing fatigue performance of nacre-mimetic PE/TiO ₂ nanolayered composites by tailoring thickness ratio. <i>Journal of Materials Research</i> , 2018 , 33, 1543-1552	2.5	4
74	Microstructures and mechanical performance of polyelectrolyte/nanocrystalline TiO ₂ nanolayered composites. <i>Nanoscale Research Letters</i> , 2013 , 8, 44	5	4
73	On the length scale of cyclic strain localization in fine-grained copper films. <i>Philosophical Magazine Letters</i> , 2010 , 90, 69-76	1	4
72	Compressive behaviour of nanocrystalline Mg ₃ Al alloys. <i>Materials Technology</i> , 2012 , 27, 85-87	2.1	4
71	Deformation and fracture behaviour in Ni ₃ Al alloy single crystals. <i>Journal of Materials Science Letters</i> , 1997 , 17, 61-64		4
70	Strength and Plastic Deformation Behavior of Nano-Scale Au/Cu and Cr/Cu Multilayers. <i>Advanced Materials Research</i> , 2008 , 41-42, 3-8	0.5	4
69	Microstructure-Dependent Local Fatigue Cracking Resistance of Bimodal Ti ₆ Al ₄ V Alloys. <i>Advanced Engineering Materials</i> , 2018 , 20, 1700702	3.5	4
68	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	5.3	4
67	In-situ investigation of dwell fatigue damage mechanism of pure Ti using digital image correlation technique. <i>Materials Characterization</i> , 2021 , 181, 111466	3.9	4
66	Fatigue of Small-Scale Metal Materials: From Micro- to Nano-Scale 2008 , 275-326		4
65	Fatigue and Fracture Reliability of Shell-Mimetic PE/TiO ₂ Nanolayered Composites . <i>Advanced Engineering Materials</i> , 2017 , 19, 1700246	3.5	3
64	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	5.3	3
63	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	13	3
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