Fuxing Yin

List of Publications by Citations

344 papers	6,255 citations	39 h-index	62 g-index
357 ext. papers	7,732 ext. citations	4.5 avg, IF	6.3 L-index

#	Paper	IF	Citations
344	Inverse temperature dependence of toughness in an ultrafine grain-structure steel. *Science*, **2008**, 320, 1057-60	33.3	268
343	Electron-beam-induced current study of grain boundaries in multicrystalline silicon. *Journal of Applied Physics*, **2004**, 96, 5490-5495	2.5	206
342	Adjustable zero thermal expansion in antiperovskite manganese nitride. *Advanced Materials*, **2011**, 23, 4690-4	24	203
341	Progress in cold roll bonding of metals. *Science and Technology of Advanced Materials*, **2008**, 9, 023001	7.1	167
340	A flexible VOCs sensor based on a 3D Mxene framework with a high sensing performance. *Journal of Materials Chemistry A*, **2018**, 6, 18116-18124	13	158
339	Ductile-Brittle Transition Temperature of Ultrafine Ferrite/Cementite Microstructure in a Low Carbon Steel Controlled by Effective Grain Size. *ISIJ International*, **2004**, 44, 610-617	1.7	153
338	Definitive experimental evidence for two-band superconductivity in MgB2. *Physical Review Letters*, **2003**, 91, 127001	7.4	126
337	Delamination Effect on Impact Properties of Ultrafine-Grained Low-Carbon Steel Processed by Warm Caliber Rolling. *Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science*, **2010**, 41, 341-355	2.3	113
336	Microstructural evolution and low temperature impact toughness of a Fe□13%Cr□4%Ni□Mo martensitic stainless steel. *Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing*, **2010**, 527, 614-618	5.3	97
335	Formation of the reversed austenite during intercritical tempering in a Fe□13%Cr□4%Ni□Mo martensitic stainless steel. *Materials Letters*, **2010**, 64, 1411-1414	3.3	78
334	Strain distribution and microstructural evolution in multi-pass warm caliber rolling. *Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing*, **2007**, 466, 114-122	5.3	76
333	A highly flexible and multifunctional strain sensor based on a network-structured MXene/polyurethane mat with ultra-high sensitivity and a broad sensing range. *Nanoscale*, **2019**, 11, 9949-9957	7.7	74
332	Dislocation structure evolution and characterization in the compression deformed Mn□Cu alloy. *Acta Materialia*, **2007**, 55, 2747-2756	8.4	73
331	The tensile behaviors and fracture characteristics of stainless steel clad plates with different interfacial status. *Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing*, **2017**, 679, 172-182	5.3	70
330	Nanoindentation-Induced Deformation Behavior in the Vicinity of Single Grain Boundary of Interstitial-Free Steel. *Materials Transactions*, **2005**, 46, 2026-2029	1.3	70
329	Relationship between yield strength and grain size for a bimodal structural ultrafine-grained ferrite/cementite steel. *Scripta Materialia*, **2007**, 57, 857-860	5.6	68
328	Delamination Toughening of Ultrafine Grain Structure Steels Processed through Tempforming at Elevated Temperatures. *ISIJ International*, **2010**, 50, 152-161	1.7	65

327	Determination of grain size by XRD profile analysis and TEM counting in nano-structured Cu. *Journal of Alloys and Compounds*, **2009**, 476, 113-117	5.7	63
326	Periodic Three-Dimensional Nitrogen-Doped Mesoporous Carbon Spheres Embedded with Co/CoO Nanoparticles toward Microwave Absorption. *ACS Applied Materials & Interfaces*, **2020**, 12, 24102-24111	9.5	57
325	Well-dispersed sulfur anchored on interconnected polypyrrole nanofiber network as high performance cathode for lithium-sulfur batteries. *Solid State Sciences*, **2017**, 66, 44-49	3.4	54
324	Flexible and highly sensitive artificial electronic skin based on graphene/polyamide interlocking fabric. *Journal of Materials Chemistry C*, **2018**, 6, 6840-6846	7.1	54
323	In situ sol-gel synthesis of ultrafine ZnO nanocrystals anchored on graphene as anode material for lithium-ion batteries. *Ceramics International*, **2016**, 42, 12371-12377	5.1	54
322	Bending behaviors and fracture characteristics of laminatedductile-tough composites under different modes. *Composites Science and Technology*, **2016**, 126, 94-105	8.6	52
321	Twofold role of dislocations in the relaxation behavior of TiNi martensite. *Acta Materialia*, **2008**, 56, 632-641	8.4	51
320	Snoek-Type High-Damping Alloys Realized in Ti Alloys with High Oxygen Solid Solution. *Advanced Materials*, **2006**, 18, 1541-1544	24	50
319	Phase decomposition of the phase in a Mn30 at.% Cu alloy during aging. *Acta Materialia*, **2000**, 48, 1273-1282	8.4	50
318	Improved hydrogen absorption and desorption kinetics of magnesium-based alloy via addition of yttrium. *Journal of Power Sources*, **2018**, 378, 636-645	8.9	49
317	Nucleation of Acicular Ferrite on Sulfide Inclusion during Rapid Solidification of Low Carbon Steel. *ISIJ International*, **2007**, 47, 1781-1788	1.7	48
316	Hydrogen Embrittlement of a 1500-MPa Tensile Strength Level Steel with an Ultrafine Elongated Grain Structure. *Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science* , **2012**, 43, 1670-1687	2.3	47
315	Phosphorus-induced dislocation structure variation in the warm-rolled ultrafine-grained low-carbon steels. *Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing*, **2003**, 354, 31-39	5.3	47
314	Improving the creep properties of 9Cr-3W-3Co-NbV steels and their weld joints by the addition of boron. *Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science*, **2005**, 36, 333-343	2.3	47
313	A new strain-rate-induced deformation mechanism of Cu nanowire: Transition from dislocation nucleation to phase transformation. *Acta Materialia*, **2015**, 85, 191-198	8.4	46
312	Flexible and stretchable MXene/Polyurethane fabrics with delicate wrinkle structure design for effective electromagnetic interference shielding at a dynamic stretching process. *Composites Communications*, **2020**, 19, 90-98	6.7	45
311	A Free-Standing Sulfur/Nitrogen-Doped Carbon Nanotube Electrode for High-Performance Lithium/Sulfur Batteries. *Nanoscale Research Letters*, **2015**, 10, 450	5	44
310	A novel route to prepare ultrafine-grained WCCo cemented carbides. *Journal of Alloys and Compounds*, **2008**, 458, 366-371	5.7	44

309	Microstructure, mechanical properties and interface bonding mechanism of hot-rolled stainless steel clad plates at different rolling reduction ratios. *Journal of Alloys and Compounds*, **2018**, 766, 517-526	5.7	41
308	Recent Progress and Development in Extrusion of Rare Earth Free Mg Alloys: A Review. *Acta Metallurgica Sinica (English Letters)*, **2019**, 32, 145-168	2.5	40
307	Deformation and plastic coordination in WC-Co composite □Molecular dynamics simulation of nanoindentation. *Materials and Design*, **2017**, 120, 193-203	8.1	39
306	A new loop-punching mechanism for helium bubble growth in tungsten. *Acta Materialia*, **2017**, 141, 10-17	8.4	39
305	Role of deformation twin on texture evolution in cold-rolled commercial-purity Ti. *Journal of Materials Research*, **2008**, 23, 2954-2966	2.5	38
304	Electrochemical performance of carbon-encapsulated Fe3O4 nanoparticles in lithium-ion batteries: morphology and particle size effects. *Electrochimica Acta*, **2016**, 216, 475-483	6.7	37
303	Lattice parameters and relative stability of □ phase in binary titanium alloys from first-principles calculations. *Solid State Communications*, **2013**, 159, 70-75	1.6	37
302	Stress-induced □ martensitic (110) twinning in □Ti alloys. *Applied Physics Letters*, **2008**, 93, 151911	3.4	37
301	ZnO nanoparticles encapsulated in three dimensional ordered macro-/mesoporous carbon as high-performance anode for lithium-ion battery. *Electrochimica Acta*, **2018**, 270, 274-283	6.7	36
300	Micro-Spherical Sulfur/Graphene Oxide Composite via Spray Drying for High Performance Lithium Sulfur Batteries. *Nanomaterials*, **2018**, 8,	5.4	35
299	Effects of grain refinement on the structure and properties of a CuAlMn shape memory alloy. *Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing* , **2016**, 664, 215-220	5.3	35
298	Microstructure and wear behavior of nano C-rich TiCN coatings fabricated by reactive plasma spraying with Ti-graphite powders. *Surface and Coatings Technology*, **2016**, 305, 215-222	4.4	35
297	Effects of tungsten additions on the microstructure and mechanical properties of CoCrNi medium entropy alloys. *Journal of Alloys and Compounds*, **2019**, 790, 732-743	5.7	34
296	Formation of Bimodal-Sized Structure and Its Tensile Properties in a Warm-Rolled and Annealed Ultrafine-Grained Ferrite/Cementite Steel. *Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science*, **2008**, 39, 1691-1701	2.3	33
295	Simple fabrication of free-standing ZnO/graphene/carbon nanotube composite anode for lithium-ion batteries. *Materials Letters*, **2016**, 184, 235-238	3.3	33
294	Mechanism for direct graphite-to-diamond phase transition. *Scientific Reports*, **2014**, 4, 5930	4.9	32
293	High-damping properties of Mn□Cu sintered alloys. *Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing*, **2006**, 442, 439-443	5.3	32
292	The Damping Behavior of Ni Added Mn-Cu Damping Alloys. *Materials Transactions*, **2003**, 44, 1671-1674	1.3	32

291	Three-Dimensional Ordered Mesoporous Carbon Spheres Modified with Ultrafine Zinc Oxide Nanoparticles for Enhanced Microwave Absorption Properties. *Nano-Micro Letters*, **2021**, 13, 76	19.5	32
290	High-Performance and Multifunctional Skinlike Strain Sensors Based on Graphene/Springlike Mesh Network. *ACS Applied Materials & Interfaces*, **2018**, 10, 19906-19913	9.5	31
289	Heterogeneous banded precipitation of (CoCrNi)93Mo7 medium entropy alloys towards strength□ductility synergy utilizing compositional inhomogeneity. *Scripta Materialia*, **2019**, 172, 144-148	5.6	31
288	The Twinning Microstructure and Damping Behavior in Mn–30Cu (at%) Alloy. *Materials Transactions*, **2005**, 46, 2164-2168	1.3	30
287	Structure and wear characteristics of TiCN nanocomposite coatings fabricated by reactive plasma spraying. *Surface and Coatings Technology*, **2018**, 342, 137-145	4.4	29
286	Fiber texture and substructural features in the caliber-rolled low-carbon steels. *Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science*, **2004**, 35, 665-677	2.3	29
285	Tensile shear sample design and interfacial shear strength of stainless steel clad plate. *Fusion Engineering and Design*, **2017**, 125, 431-441	1.7	28
284	Molecular dynamics simulation of grain boundary geometry on crack propagation of bi-crystal aluminum. *Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing*, **2016**, 666, 314-319	5.3	28
283	Microstructure and mechanical properties of hot rolled stainless steel clad plate by heat treatment. *Materials Chemistry and Physics*, **2018**, 216, 460-467	4.4	27
282	Influence of Al content on martensitic transformation behavior in Zr50Cu50□Al. *Journal of Alloys and Compounds*, **2012**, 522, 136-140	5.7	27
281	Reverse transformation behavior of a prestrained MnCu alloy. *Acta Materialia*, **2006**, 54, 1805-1813	8.4	27
280	Insight into the intercalation mechanism of WSe2 onions toward metal ion capacitors: sodium rivals lithium. *Journal of Materials Chemistry A*, **2018**, 6, 21605-21617	13	27
279	Synthesis and electrochemical investigation of highly dispersed ZnO nanoparticles as anode material for lithium-ion batteries. *Ionics*, **2016**, 22, 1387-1393	2.7	26
278	Tension□compression asymmetry in homogeneous dislocation nucleation stress of single crystals Cu, Au, Ni and Ni3Al. *Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing*, **2014**, 604, 142-147	5.3	26
277	Giant negative thermal expansion in ultrafine-grained Mn3(Cu1□Gex)N(x= 0.5) bulk. *Journal Physics D: Applied Physics*, **2009**, 42, 122004	3	26
276	Microstructure control and wear resistance of grain boundary allotriomorphic ferrite/granular bainite duplex steel. *Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing*, **2004**, 385, 65-73	5.3	26
275	A highly sensitive, multifunctional, and wearable mechanical sensor based on RGO/synergetic fiber bundles for monitoring human actions and physiological signals. *Sensors and Actuators B: Chemical*, **2019**, 285, 179-185	8.5	26
274	Faceted Kurdjumov-Sachs interface-induced slip continuity in the eutectic high-entropy alloy, AlCoCrFeNi2.1. *Journal of Materials Science and Technology*, **2021**, 65, 216-227	9.1	26

273	Facile Synthesis of SiO@C Nanoparticles Anchored on MWNT as High-Performance Anode Materials for Li-ion Batteries. *Nanoscale Research Letters*, **2017**, 12, 459	5	25
272	Interface characteristics and fracture behavior of hot rolled stainless steel clad plates with different vacuum degrees. *Applied Surface Science*, **2019**, 463, 121-131	6.7	25
271	Three-dimensionally ordered macro-/mesoporous carbon loading sulfur as high-performance cathodes for lithium/sulfur batteries. *Journal of Alloys and Compounds*, **2017**, 714, 126-132	5.7	24
270	Interface formation and bonding mechanisms of hot-rolled stainless steel clad plate. *Journal of Materials Science*, **2019**, 54, 11357-11377	4.3	24
269	Highly sensitive and selective room-temperature nitrogen dioxide sensors based on porous graphene. *Sensors and Actuators B: Chemical*, **2018**, 275, 78-85	8.5	24
268	Crystallographic Texture of Warm Caliber-rolled Low Carbon Steel. *Materials Transactions*, **2007**, 48, 2028-2035	1.7	24
267	Triazine-Based Two-Dimensional Organic Polymer for Selective NO Sensing with Excellent Performance. *ACS Applied Materials & Interfaces*, **2020**, 12, 3919-3927	9.5	24
266	Highly Sensitive, Selective, and Flexible NO Chemiresistors Based on Multilevel Structured Three-Dimensional Reduced Graphene Oxide Fiber Scaffold Modified with Aminoanthroquinone Moieties and Ag Nanoparticles. *ACS Applied Materials & Interfaces*, **2019**, 11, 9309-9316	9.5	24
265	Fabrication and characterization of micro-laminated TiCTi5Si3Ti3SiC2 composite coatings by atmosphere plasma spraying. *Vacuum*, **2019**, 161, 14-20	3.7	24
264	Corn stalk-derived activated carbon with a stacking sheet-like structure as sulfur cathode supporter for lithium/sulfur batteries. *Ionics*, **2016**, 22, 63-69	2.7	23
263	Effects of Cobalt on the structure and mechanical behavior of non-equal molar CoxFe50−xCr25Ni25 high entropy alloys. *Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing*, **2018**, 723, 221-228	5.3	23
262	Internal friction behavior of twin boundaries in tensile-deformed Mn–15 at.% Cu alloy. *Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing*, **2006**, 442, 433-438	5.3	23
261	Flexible MoSe2/MXene films for Li/Na-ion hybrid capacitors. *Journal of Power Sources*, **2021**, 488, 229452	8.9	23
260	Microstructure and tribological properties of plasma sprayed TiCN-Mo based composite coatings. *Applied Surface Science*, **2019**, 464, 88-98	6.7	23
259	Meso and microscale clad interface characteristics of hot-rolled stainless steel clad plate. *Materials Characterization*, **2019**, 148, 17-25	3.9	23
258	A PPy/ZnO functional interlayer to enhance electrochemical performance of lithium/sulfur batteries. *Nanoscale Research Letters*, **2018**, 13, 307	5	23
257	Induced valley splitting in monolayer MoS2 by an antiferromagnetic insulating CoO(111) substrate. *Physical Review B*, **2018**, 98,	3.3	23
256	Effect of WC/Co coherency phase boundaries on Fracture toughness of the nanocrystalline cemented carbides. *Scientific Reports*, **2016**, 6, 31047	4.9	22

255	Effects of transformation twin on Hall–Petch relationship in MnCu alloy. *Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing*, **2008**, 492, 419-427	5.3	22
254	In situ encapsulation of Co/Co3O4 nanoparticles in nitrogen-doped hierarchically ordered porous carbon as high performance anode for lithium-ion batteries. *Chemical Engineering Journal*, **2020**, 380, 122545	14.7	22
253	Effect of chromium, manganese and yttrium on microstructure and hydrogen storage properties of TiFe-based alloy. *International Journal of Hydrogen Energy*, **2020**, 45, 12071-12081	6.7	21
252	Transformation Induced Plasticity Effects of a Non-Equal Molar Co-Cr-Fe-Ni High Entropy Alloy System. *Metals*, **2018**, 8, 369	2.3	21
251	Effects of recovery treatment after large strain on the grain boundary character distributions of subsequently cold rolled and annealed Pb–Ca–Sn–Al alloy. *Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing*, **2008**, 491, 199-206	5.3	21
250	Effects of Nb and C in Solution and in NbC Form on the Transformation-related Internal Friction of Fe–17Mn (mass%) Alloys. *ISIJ International*, **2008**, 48, 99-106	1.7	21
249	Hot rolling bonded multilayered composite steels and varied tensile deformation behaviour. *Materials Science and Technology*, **2012**, 28, 783-787	1.5	20
248	Sulfur-Infiltrated Three-Dimensionally Ordered Mesoporous Polypyrrole Cathode for High-Performance Lithium-Sulfur Battery. *ChemElectroChem*, **2018**, 5, 1591-1598	4.3	19
247	Synthesis of hierarchical MoS2 microspheres composed of nanosheets assembled via facile hydrothermal method as anode material for lithium-ion batteries. *Journal of Nanoparticle Research*, **2016**, 18, 1	2.3	19
246	Microstructure and mechanical properties of CoCrNi-Mo medium entropy alloys: Experiments and first-principle calculations. *Journal of Materials Science and Technology*, **2021**, 62, 25-33	9.1	19
245	Microstructure evolution and wear resistance of nitride/aluminide coatings on the surface of Ti-coated 2024 Al alloy during plasma nitriding. *Ceramics International*, **2017**, 43, 10832-10839	5.1	18
244	2D Sandwiched Nano Heterostructures Endow MoSe /TiO /Graphene with High Rate and Durability for Sodium Ion Capacitor and Its Solid Electrolyte Interphase Dependent Sodiation/Desodiation Mechanism. *Small*, **2020**, 16, e2004457	11	18
243	Inverse-opal-based carbon composite monoliths for microwave absorption applications. *Carbon*, **2020**, 166, 328-338	10.4	18
242	Microstructure and mechanical properties of Cr-rich Co-Cr-Fe-Ni high entropy alloys designed by valence electron concentration. *Materials Chemistry and Physics*, **2019**, 238, 121897	4.4	18
241	Holding temperature dependent variation of damping capacity in a MnCuNiFe damping alloy. *Scripta Materialia*, **2006**, 54, 241-246	5.6	18
240	WSe2/Reduced Graphene Oxide Nanocomposite with Superfast Sodium Ion Storage Ability as Anode for Sodium Ion Capacitors. *Journal of the Electrochemical Society*, **2018**, 165, A3642-A3647	3.9	18
239	Effect of combined addition of Al-Ti-B ribbon and Zr element on the microstructure, mechanical and damping properties of ZA22 alloy. *Materials and Design*, **2017**, 127, 97-105	8.1	17
238	Comparison of the two relaxation peaks in the Ti50Ni48Fe2 alloy. *Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing*, **2009**, 521-522, 178-181	5.3	17

237	Low absorbed energy ductile dimple fracture in lower shelf region in an ultrafine grained ferrite/cementite steel. *Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science*, **2006**, 37, 2897-2900	2.3	17
236	Natural mechanism of the broadened Snoek relaxation profile in ternary body-centered-cubic alloys. *Physical Review B*, **2007**, 75,	3.3	17
235	A MnCuNiFe Damping Alloy with Superior Workability and Easiness for Recycle. *Nippon Kinzoku Gakkaishi/Journal of the Japan Institute of Metals*, **2001**, 65, 607-613	0.4	17
234	Microstructure evolution and mechanical properties of atmosphere plasma sprayed AlCoCrFeNi high-entropy alloy coatings under post-annealing. *Journal of Alloys and Compounds*, **2021**, 872, 159607	5.7	17
233	3D Ordered Macroporous Carbon Encapsulated ZnO Nanoparticles as a High-Performance Anode for Lithium-Ion Batteries. *ChemElectroChem*, **2017**, 4, 2359-2365	4.3	16
232	Fabrication and properties of novel porous CuAlMn shape memory alloys and polymer/CuAlMn composites. *Composites Part A: Applied Science and Manufacturing*, **2018**, 107, 21-30	8.4	16
231	The effects of crack orientation on the twin formation from the crack tip in □-Ni3Al. *Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing*, **2013**, 580, 99-104	5.3	16
230	X-ray diffraction characterization of the decomposition behavior of □Mn phase in a Mn-30at.%Cu alloy. *Scripta Materialia*, **1999**, 40, 993-998	5.6	16
229	Novel silicon nanowire film on copper foil as high performance anode for lithium-ion batteries. *Ionics*, **2018**, 24, 373-378	2.7	16
228	Bulk Texture Measurement of Interstitial-Free Annealed Steel Using Gaussian Integrated Intensities of Neutron Diffraction Spectra. *Materials Transactions*, **2008**, 49, 2033-2039	1.3	15
227	The Effects of Static Strain on the Damping Capacity of High Damping Alloys. *Materials Transactions* , **2002**, 43, 466-469	1.3	15
226	Fabrication and photocatalytic properties of nano CuS/MoS2 composite catalyst by dealloying amorphous Ti□Cu□Mo alloy. *Applied Surface Science*, **2019**, 467-468, 221-228	6.7	15
225	Effect of precipitation during parent phase aging on the microstructure and properties of a refined CuAlMn shape memory alloy. *Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing*, **2018**, 737, 124-131	5.3	15
224	Trapping of hydrogen and helium at an {110} edge dislocation in tungsten. *Journal of Nuclear Materials*, **2017**, 484, 270-275	3.3	14
223	NaMnO/Carbon Nanotube Composite as a High Electrochemical Performance Material for Aqueous Sodium-Ion Batteries. *Nanoscale Research Letters*, **2017**, 12, 569	5	14
222	Synthesis and characterization of MAX phase Cr2AlC based composite coatings by plasma spraying and post annealing. *Journal of the European Ceramic Society*, **2019**, 39, 5132-5139	6	14
221	Microstructure and hydrogen absorption/desorption properties of Mg24Y3M (M□=□Ni, Co, Cu, Al) alloys. *International Journal of Hydrogen Energy*, **2018**, 43, 8877-8887	6.7	14
220	Microstructure evolution and mechanical properties of TiCN-Cr nano/micro composite coatings prepared by reactive plasma spraying. *Applied Surface Science*, **2018**, 427, 905-914	6.7	14

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218	Hydrogen absorption and desorption behavior of Ni catalyzed MgYCNi nanocomposites. *Energy*, **2018**, 165, 709-719	7.9	14
217	Facile spray drying approach to synthesize Sb2Se3/rGO composite anode for lithium-ion battery. *Journal of Nanoparticle Research*, **2019**, 21, 1	2.3	13
216	Realization of a half-metallic state on bilayer WSe using doping transition metals (Cr, Mn, Fe, Co, Ni) in its interlayer. *Nanotechnology*, **2018**, 29, 115201	3.4	13
215	Synthesis of mesoporous hollow polypyrrole spheres and the utilization as supports of high loading of Pt nanoparticles. *Materials Letters*, **2017**, 207, 225-229	3.3	13
214	Influence of initial Ti particle size on microstructure and fracture toughness of reactive plasma sprayed TiCN coatings. *Surface and Coatings Technology*, **2017**, 325, 482-489	4.4	13
213	Microstructure and nanomechanical properties of co-deposited Ti-Cr films prepared by magnetron sputtering. *Surface and Coatings Technology*, **2017**, 325, 636-642	4.4	13
212	Modeling and control of the high damping behavior in TiNbO alloys. *Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing*, **2009**, 521-522, 372-375	5.3	13
211	Temperature Dependent Damping Behavior in a Mn-18Cu-6Ni-2Fe Alloy Continuously Cooled in Different Rates from the Solid Solution Temperature. *Scripta Materialia*, **1998**, 38, 1341-1346	5.6	13
210	Distributions of Strain, Microstructure and Hardness in a Bar Steel with Ultrafine-Grained Structure through Groove Rolling. *Nippon Kinzoku Gakkaishi/Journal of the Japan Institute of Metals*, **2005**, 69, 943-952	8.4	13
209	The effect of Cu addition on the crystallization behavior and tribological properties of reactive plasma sprayed TiCNCu coatings. *Ceramics International*, **2020**, 46, 8344-8351	5.1	13
208	Effect of combined addition of Cu51Zr14 inoculant and Ti element on the microstructure and damping behavior of a Cu-Al-Ni shape memory alloy. *Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing*, **2019**, 743, 606-610	5.3	13
207	Effects of spray distance on the microstructure and mechanical properties of reactive plasma sprayed TiCN coatings. *Ceramics International*, **2018**, 44, 17230-17239	5.1	13
206	Effects of Al and Ti additions on precipitation behavior and mechanical properties of Co35Cr25Fe40-xNix TRIP high entropy alloys. *Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing*, **2019**, 767, 138403	5.3	12
205	Heterogeneous nucleation of Li3VO4 regulated in dense graphene aerogel for lithium ion capacitors. *Journal of Power Sources*, **2020**, 468, 228364	8.9	12
204	Effects of Mo addition on tribological performance of plasma-sprayed TiSiC coatings. *Ceramics International*, **2020**, 46, 12948-12954	5.1	12
203	Synthesis of ultrafine ZnO nanoparticles supported on nitrogen-doped ordered hierarchically porous carbon for supercapacitor. *Journal of Alloys and Compounds*, **2019**, 806, 464-470	5.7	12
202	Temperature dependence of intersection reactions of e martensite plates in an Fe30Mn2Si2Al TRIP/TWIP steel. *Journal of Alloys and Compounds*, **2013**, 577, S533-S537	5.7	12

201	Internal friction behavior of the reverse martensitic transformation in deformed MnCu alloy. *Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing* , **2006**, 438-440, 374-378	5.3	12
200	Effect of Shear Deformation on Microstructural Evolution of Ni-30Fe Alloy during Hot Deformation. *Materials Transactions*, **2004**, 45, 2966-2973	1.3	12
199	Decomposition of High Temperature γMn Phase during Continuous Cooling and Resultant Damping Behavior in Mn74.8Cu19.2Ni4.0Fe2.0 and Mn72.4Cu20.0Ni5.6Fe2.0 Alloys. *Materials Transactions, JIM*, **1998**, 39, 841-848		12
198	Highly stretchable pressure sensors with wrinkled fibrous geometry for selective pressure sensing with minimal lateral strain-induced interference. *Composites Part B: Engineering*, **2021**, 217, 108899	10	12
197	Microstructure and mechanical properties of plasma sprayed TiC/Ti5Si3/Ti3SiC2 composite coatings with Al additions. *Ceramics International*, **2020**, 46, 16298-16309	5.1	11
196	Microstructure, growth kinetics and mechanical properties of interface layer for roll bonded aluminum-steel clad sheet annealed under argon gas protection. *Vacuum*, **2018**, 151, 189-196	3.7	11
195	Corrosion resistance and biological properties of a micro□nano structured Ti surface consisting of TiO2 and hydroxyapatite. *RSC Advances*, **2017**, 7, 33285-33292	3.7	11
194	Electronic and thermoelectric properties of nonmagnetic inverse Heusler semiconductors Sc2FeSi and Sc2FeGe. *Journal of Magnetism and Magnetic Materials*, **2017**, 442, 371-376	2.8	11
193	Evaluation of matrix strength in ultra-fine grained pure Al by nanoindentation. *Journal of Materials Research*, **2009**, 24, 2917-2923	2.5	11
192	Creep-Induced Microstructural Changes and Acoustic Characterization in a Cr□Mo□V Steel. *Japanese Journal of Applied Physics*, **2008**, 47, 3916-3921	1.4	11
191	Ductile-to-brittle Transition in a Bimodal-sized Grain Structure for an Ultrafine-grained Ferrite/Cementite Steel. *Tetsu-To-Hagane/Journal of the Iron and Steel Institute of Japan*, **2009**, 95, 71-78	0.5	11
190	Internal friction of Niobium□titanium□oxygen alloys. *Journal of Materials Science*, **2007**, 42, 7819-7826	4.3	11
189	Improvement of Creep Properties of High Cr Steel Weldment by Boron Addition. *Zairyo/Journal of the Society of Materials Science, Japan*, **2005**, 54, 162-167	0.1	11
188	Three-dimensional carbon cloth-supported ZnO nanorod arrays as a binder-free anode for lithium-ion batteries. *Journal of Nanoparticle Research*, **2017**, 19, 1	2.3	10
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