Fuxing Yin

List of Publications by Year in Descending Order

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	Microstructure and Wear Resistance of a Cr7C3 Reinforced Ni3Al Composite Coating Prepared by Laser Cladding. *Coatings*, **2022**, 12, 105	2.9	0
343	The damping behavior of a Ni-50 at.%Ti shape memory alloy. *International Journal of Materials Research*, **2022**, 94, 1021-1026	0.5	
342	800 MPa Class HSLA Steel Block Part Fabricated by WAAM for Building Applications: Tensile Properties at Ambient and Elevated (600°C) Temperature. *Advances in Materials Science and Engineering*, **2022**, 2022, 1-13	1.5	0
341	Refining effect of an intermetallic inoculant on a CuAlMn shape memory alloy. *Materials Chemistry and Physics*, **2022**, 280, 125835	4.4	0
340	Evolution of microstructure and mechanical performance of plasma-sprayed TiCrSiC coatings annealed at 800 °C and 1100 °C. *Vacuum*, **2022**, 196, 110781	3.7	0
339	Novel laminated multi-layer graphene/CuAlMn composites with ultrahigh damping capacity and superior tensile mechanical properties. *Carbon*, **2022**, 188, 45-58	10.4	1
338	Microstructural evolution, damping and tensile mechanical properties of multilayer Zn22Al alloy fabricated by accumulative roll bonding (ARB). *Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing*, **2022**, 840, 142911	5.3	1
337	Plasma spraying Ti2AlC based composite coatings from Ti/Al/graphite agglomerates: Synthesis, characterization and reaction mechanism. *Vacuum*, **2022**, 200, 111036	3.7	0
336	Improvement of MoS2 thermoelectric power factor by doping WSe2 nanoparticle. *Materials Today Communications*, **2022**, 31, 103420	2.5	0
335	Prediction of NbXGe (X = Rh, Ir) half-Heusler semiconducting compounds with promising thermoelectric property using 18-electron rule. *Applied Physics A: Materials Science and Processing*, **2022**, 128, 1	2.6	
334	Effect of 1wt%Zn Addition on Microstructure and Mechanical Properties of Mg-6Er Alloys under High Strain Rates. *Metals*, **2022**, 12, 883	2.3	0
333	Microstructure and reaction mechanism of Ti-Al-C based MAX phase coatings synthesized by plasma spraying and post annealing. *Surface and Coatings Technology*, **2022**, 128584	4.4	0
332	Improved cohesion strength of plasma-sprayed TiCN coating by adding Ni and post annealing. *Ceramics International*, **2021**, 48, 8081-8081	5.1	0
331	End Group Modification for Black Phosphorus: Simultaneous Improvement of Chemical Stability and Gas Sensing Performance. *ACS Applied Materials & Interfaces*, **2021**, 13, 50270-50280	9.5	3
330	Fabrication and damping property of a novel ZnAlAgSc alloy. *Materials Science and Technology*, **2021**, 37, 33-41	1.5	
329	Body-centered-cubic to face-centered-cubic phase transformation of iron under compressive loading along [100] direction. *Materials Today Communications*, **2021**, 26, 101961	2.5	
328	Flexible MoSe2/MXene films for Li/Na-ion hybrid capacitors. *Journal of Power Sources*, **2021**, 488, 229452	8.9	23

327	Conductive MXene/melamine sponge combined with 3D printing resin base prepared as an electromagnetic interferences shielding switch. *Composites Part A: Applied Science and Manufacturing*, **2021**, 143, 106238	8.4	6
326	Effect of Cr content on precipitation behavior of (CoCrNi)94Ti3Al3 medium entropy alloys. *Intermetallics*, **2021**, 132, 107125	3.5	2
325	A Comprehensive Study of Dynamic Recrystallization Behavior of Mg Alloy with 3 wt.% Bi Addition. *Metals*, **2021**, 11, 838	2.3	3
324	Plastic deformation mechanism of CoCrxNi medium entropy alloys. *Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing*, **2021**, 814, 141181	5.3	4
323	Effects of post-annealing on microstructure and mechanical properties of plasma sprayed Ti-Si-C composite coatings with Al addition. *Surface and Coatings Technology*, **2021**, 416, 127164	4.4	4
322	Influence of metallic Cr addition on the phase structure and mechanical properties of plasma-sprayed Ti□SiC coatings. *Ceramics International*, **2021**, 47, 17570-17579	5.1	4
321	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
320	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
319	Improving hardness and toughness of plasma sprayed Ti□SiC nano-composite coatings by post Ar-annealing. *Ceramics International*, **2021**, 47, 3173-3184	5.1	3
318	Improved thermoelectric properties of doped A0.5B0.5NiSn (A, B = Ti, Zr, Hf) with a special quasirandom structure. *Journal of Materials Science*, **2021**, 56, 4280-4290	4.3	2
317	A new sensing material design based on chemically passivated phosphorene/porous two-dimensional polymer: Highly sensitive and selective detection of NO2. *Sensors and Actuators B: Chemical*, **2021**, 329, 129233	8.5	8
316	Atomic layer deposition regulating hydrated K2Ti6O13 nanobelts on graphene platform with accelerated solid solution potassiation for potassium ion capacitors. *Chemical Engineering Journal*, **2021**, 417, 128048	14.7	7
315	Microstructured MXene/polyurethane fibrous membrane for highly sensitive strain sensing with ultra-wide and tunable sensing range. *Composites Communications*, **2021**, 23, 100586	6.7	9
314	Effect of SiC Content on Microstructure and Tribological Properties of Plasma Sprayed TiC/Ti5Si3/Ti3SiC2 Composite Coatings. *Journal of Materials Engineering and Performance*, **2021**, 30, 2147-2158	1.6	0
313	The effect of loading strain rates on deformation behavior of Cu/Fe composite. *Physics Letters, Section A: General, Atomic and Solid State Physics*, **2021**, 388, 127070	2.3	3
312	Controllable configuration of conductive pathway by tailoring the fiber alignment for ultrasensitive strain monitoring. *Composites Part A: Applied Science and Manufacturing*, **2021**, 141, 106223	8.4	2
311	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
310	Fabrication of plasma-sprayed TiC-Ti5Si3-Ti3SiC2 composite coatings from the annealed Ti/SiC powders. *Surface and Coatings Technology*, **2021**, 417, 127227	4.4	2

309	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
308	MXene-Derived TiO Nanoparticles Intercalating between RGO Nanosheets: An Assembly for Highly Sensitive Gas Detection. *ACS Applied Materials & Interfaces*, **2021**, 13, 39772-39780	9.5	7
307	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
306	Preparation and properties of reactive plasma sprayed TiC□Ti5Si3□Ti3SiC2/Al coatings from Ti□Si□□Al mixed powders. *Materials Chemistry and Physics*, **2021**, 269, 124772	4.4	3
305	Effect of annealing temperature on microstructure and mechanical properties of plasma sprayed TiC-Ti5Si3-Ti3SiC2 composite coatings. *Surface and Coatings Technology*, **2021**, 422, 127581	4.4	2
304	Enhancing thermoelectric performance of BaMg2-based compounds by forming solid solutions and biaxial strain. *Journal Physics D: Applied Physics*, **2021**, 54, 485301	3	0
303	Effects of grain refinement on the microstructures and damping behaviors of a Cu□Al□Ni□Mn□Ti shape memory alloy. *Intermetallics*, **2021**, 138, 107315	3.5	2
302	Stretchable and wearable conductometric VOC sensors based on microstructured MXene/polyurethane core-sheath fibers. *Sensors and Actuators B: Chemical*, **2021**, 346, 130500	8.5	6
301	Shock response of He bubble in single crystal tungsten: molecular dynamics simulation study. *Journal of Nuclear Materials*, **2021**, 556, 153165	3.3	1
300	A brief review of metastable high-entropy alloys with transformation-induced plasticity. *Materials Science and Technology*, **2020**, 36, 1893-1902	1.5	6
299	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
298	Heterogeneous nucleation of Li3VO4 regulated in dense graphene aerogel for lithium ion capacitors. *Journal of Power Sources*, **2020**, 468, 228364	8.9	12
297	Three-Dimensional Topotactic Host Structure-Secured Ultrastable VP-CNO Composite Anodes for Long Lifespan Lithium- and Sodium-Ion Capacitors. *ACS Applied Materials & Interfaces*, **2020**, 12, 29218-29227	9.5	2
296	Deformation Behavior and Strengthening Mechanisms of Multilayer SUS304/Cr17 Steels with Laminate/Network Interface. *Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science*, **2020**, 51, 3658-3673	2.3	2
295	Effects of Ca addition on the microstructures and mechanical properties of as-extruded Mg□Bi alloys. *Journal of Alloys and Compounds*, **2020**, 834, 155216	5.7	9
294	Inverse-opal-based carbon composite monoliths for microwave absorption applications. *Carbon*, **2020**, 166, 328-338	10.4	18
293	Effects of combined use of inoculation and modification heat treatment on microstructure, damping and mechanical properties of Zn□Al eutectoid alloy. *Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing*, **2020**, 790, 139740	5.3	7
292	Microstructure and mechanical properties of stainless steel clad plate welding joints by different welding processes. *Science and Technology of Welding and Joining*, **2020**, 25, 571-580	3.7	7

291	Microstructure and tribological properties of in-situ synthesized TiC reinforced reactive plasma sprayed Co-based coatings. *Materials Chemistry and Physics*, **2020**, 248, 122913	4.4	8
290	Phenomenological representation of mechanical spectroscopy of high damping MnCuNiFe alloy. *Materials Science and Technology*, **2020**, 36, 743-749	1.5	4
289	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
288	Microstructure evolution and mechanical performance of Cr-N/Al-Cr multilayer coatings produced by plasma nitriding Cr-coated Al alloy. *Vacuum*, **2020**, 180, 109540	3.7	5
287	Microstructure evolution and mechanical properties of reactive plasma sprayed Ti3SiC2□Ti5Si3□TiC composite coatings. *Materials Chemistry and Physics*, **2020**, 254, 123495	4.4	10
286	Deposition and properties of plasma sprayed NiCrCoMo□TiC composite coatings. *Materials Chemistry and Physics*, **2020**, 254, 123502	4.4	5
285	Void-interface wetting to crossing transition owing to bubble to void transformation. *Applied Physics Letters*, **2020**, 116, 093703	3.4	3
284	Effects of Mo addition on tribological performance of plasma-sprayed Ti□SiC coatings. *Ceramics International*, **2020**, 46, 12948-12954	5.1	12
283	Effects of Parent Phase Aging and Nb Element on the Microstructure, Martensitic Transformation, and Damping Behaviors of a Cu□Al□Mn Shape Memory Alloy. *Physica Status Solidi (A) Applications and Materials Science*, **2020**, 217, 1900923	1.6	3
282	Microstructure and Interface Fracture Characteristics of Hot-Rolled Stainless Steel Clad Plates by Adding Different Interlayers. *Steel Research International*, **2020**, 91, 1900604	1.6	4
281	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
280	Gas sensing investigation on anthraquinone nanowire decorated phosphorene: Enhanced stability in conjunction with superior sensitivity. *Chemical Engineering Journal*, **2020**, 394, 124933	14.7	8
279	Effects of annealing temperature and cooling medium on the microstructure and mechanical properties of a novel dual phase high entropy alloy. *Materials Characterization*, **2020**, 163, 110291	3.9	7
278	Microstructure and mechanical properties of plasma sprayed TiC/Ti5Si3/Ti3SiC2 composite coatings with Al additions. *Ceramics International*, **2020**, 46, 16298-16309	5.1	11
277	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
276	Effects of crystal orientation and temperature on the deformation mechanism and mechanical property of Cu nanowire. *Micro and Nano Letters*, **2020**, 15, 261-265	0.9	1
275	Ferroconcrete-inspired design of a nonwoven graphene fiber fabric reinforced electrode for flexible fast-charging sodium ion storage devices. *Journal of Materials Chemistry A*, **2020**, 8, 2777-2788	13	10
274	The Deformation Characteristics, Fracture Behavior and Strengthening-Toughening Mechanisms of Laminated Metal Composites: A Review. *Metals*, **2020**, 10, 4	2.3	8

273	Triazine-Based Two-Dimensional Organic Polymer for Selective NO Sensing with Excellent Performance. *ACS Applied Materials & Interfaces*, **2020**, 12, 3919-3927	9.5	24
272	Effect of titanium and rare earth microalloying on microsegregation, eutectic carbides of M2 high speed steel during ESR process. *Journal of Rare Earths*, **2020**, 38, 1030-1038	3.7	10
271	The effect of Cu addition on the crystallization behavior and tribological properties of reactive plasma sprayed TiCN/Cu coatings. *Ceramics International*, **2020**, 46, 8344-8351	5.1	13
270	Fabrication and damping behaviors of novel polyurethane/TiNiCu composites. *Physica B: Condensed Matter*, **2020**, 582, 411911	2.8	4
269	Effects of Cu51Zr14 inoculant and caliber rolling on microstructures and comprehensive properties of a Cu-Al-Mn shape memory alloy. *Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing*, **2020**, 772, 138773	5.3	6
268	The crystallization behaviours of reactive-plasma-sprayed TiCN coatings with different Ti/graphite powder ratios. *Ceramics International*, **2020**, 46, 23510-23515	5.1	2
267	Balancing Gravimetric and Volumetric Performances of Microsized Bi/Graphene Anode toward Practical Sodium Ion Storage. *ACS Sustainable Chemistry and Engineering*, **2020**, 8, 17327-17334	8.3	3
266	Fatigue analysis of 75 kg/m-12 heavy-haul railway frog based on finite element simulation. *Engineering Failure Analysis*, **2020**, 117, 104799	3.2	2
265	Atomistic simulation of interaction between wedge disclination and self-interstitial atom in bcc tungsten. *Journal of Nuclear Materials*, **2020**, 542, 152460	3.3	
264	In situ construction of Co/Co3O4 with N-doped porous carbon as a bifunctional electrocatalyst for oxygen reduction and oxygen evolution reactions. *Catalysis Today*, **2020**, 355, 286-294	5.3	10
263	Microstructure and mechanical properties of stainless steel clad plate joints produced by TIG and MAG hybrid welding. *Journal of Adhesion Science and Technology*, **2020**, 34, 670-685	2	7
262	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
261	Facile spray drying approach to synthesize Sb2Se3/rGO composite anode for lithium-ion battery. *Journal of Nanoparticle Research*, **2019**, 21, 1	2.3	13
260	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
259	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
258	High capacity and rate capability of S/3D ordered bimodal mesoporous carbon cathode for lithium/sulfur batteries. *Journal of Materials Research*, **2019**, 34, 600-607	2.5	2
257	Effects of Y addition on microstructure and mechanical properties of Ti-25Zr alloys. *Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing*, **2019**, 748, 236-243	5.3	9
256	Special corrosion behavior of an inoculant refined Cu-Al-Mn shape memory alloy during electropolishing process. *Materials Characterization*, **2019**, 153, 348-353	3.9	4

255	Face-centered-cubic to body-centered-cubic phase transformation of Cu nanoplate under [100] tensile loading. *Philosophical Magazine*, **2019**, 99, 2517-2530	1.6	0
254	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
253	Bioinspired Pretextured Reduced Graphene Oxide Patterns with Multiscale Topographies for High-Performance Mechanosensors. *ACS Applied Materials & Interfaces*, **2019**, 11, 18645-18653	9.5	10
252	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
251	Microstructural, Mechanical, and Damping Properties of a Cu-Based Shape Memory Alloy Refined by an In Situ LaB6/Al Inoculant. *Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science*, **2019**, 50, 2310-2321	2.3	8
250	Interface formation and bonding mechanisms of hot-rolled stainless steel clad plate. *Journal of Materials Science*, **2019**, 54, 11357-11377	4.3	24
249	A porous 3D-RGO@MWCNT hybrid material as Li-S battery cathode. *Beilstein Journal of Nanotechnology*, **2019**, 10, 514-521	3	4
248	Polypyrrole Nanowires with Ordered Large Mesopores: Synthesis, Characterization and Applications in Supercapacitor and Lithium/Sulfur Batteries. *Polymers*, **2019**, 11,	4.5	10
247	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
246	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
245	Biaxial strain induced band transition and valley□spin coupling in the ferromagnetic semiconducting WSe2/1T-FeCl2 heterostructure. *Journal of Materials Chemistry C*, **2019**, 7, 9398-9405	7.1	8
244	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
243	Fabrication of non-enzyme glucose sensor via dealloying amorphous Zr-Cu alloy and anodic oxidation. *Materials Letters*, **2019**, 245, 49-52	3.3	10
242	Molecular dynamics studies on the interface evolution characteristics and deformation mechanisms of Cu/Al multilayers during compression process. *Journal of Applied Physics*, **2019**, 125, 025112	2.5	4
241	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
240	Improved thermoelectric performance of p-doped half-Heusler Ti0.5Zr0.5CoSb0.5P0.5, Ti0.5Hf0.5CoSb0.5P0.5, and Zr0.5Hf0.5CoSb0.5P0.5 compounds. *Materials Research Express*, **2019**, 6, 126305	1.7	5
239	Microstructure, Micro-Indentation, and Scratch Behavior of Cr Films Prepared on Al alloys by Using Magnetron Sputtering. *Metals*, **2019**, 9, 1330	2.3	2
238	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

237	Microstructure and tribological properties of plasma sprayed TiCN-Mo based composite coatings. *Applied Surface Science*, **2019**, 464, 88-98	6.7	23
236	Fabrication and characterization of micro-laminated TiCTi5Si3Ti3SiC2 composite coatings by atmosphere plasma spraying. *Vacuum*, **2019**, 161, 14-20	3.7	24
235	Meso and microscale clad interface characteristics of hot-rolled stainless steel clad plate. *Materials Characterization*, **2019**, 148, 17-25	3.9	23
234	Interfacial characteristic of multi-pass caliber-rolled Mg/Al compound castings. *Journal of Materials Processing Technology*, **2019**, 267, 196-204	5.3	9
233	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
232	Facile fabrication and photocatalytic properties of Cu O (x = 1 and 2) nanoarrays on nanoporous copper. *Materials Letters*, **2019**, 239, 75-78	3.3	2
231	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
230	Fabrication and photocatalytic properties of nano CuS/MoS2 composite catalyst by dealloying amorphous TiCuMo alloy. *Applied Surface Science*, **2019**, 467-468, 221-228	6.7	15
229	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
228	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
227	Structure and wear characteristics of TiCN nanocomposite coatings fabricated by reactive plasma spraying. *Surface and Coatings Technology*, **2018**, 342, 137-145	4.4	29
226	Microstructure and Mechanical Properties of Aluminum Clad Steel Plates by Cold Rolling and Annealing Heat Treatment. *Lecture Notes in Mechanical Engineering*, **2018**, 655-665	0.4	1
225	Sulfur-Infiltrated Three-Dimensionally Ordered Mesoporous Polypyrrole Cathode for High-Performance Lithium-Sulfur Battery. *ChemElectroChem*, **2018**, 5, 1591-1598	4.3	19
224	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
223	Face-centred cubic to body-centred cubic phase transformation under [1 0 0] tensile loading. *Philosophical Magazine*, **2018**, 98, 1696-1707	1.6	1
222	Dislocation climbing mechanism for helium bubble growth in tungsten. *Scripta Materialia*, **2018**, 147, 98-102	5.6	9
221	In-situ fabrication of novel (Ti, Cr)-N/aluminide multilayer coatings by plasma nitriding Ti-Cr coated Al alloy. *Ceramics International*, **2018**, 44, 7259-7266	5.1	6
220	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

219	Effect of Ni interlayer on characteristics of diffusion bonded Mg/Al joints. *Materials Science and Technology*, **2018**, 34, 1104-1111	1.5	10
218	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
217	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
216	Effects of Cobalt on the structure and mechanical behavior of non-equal molar CoxFe50□Cr25Ni25 high entropy alloys. *Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing*, **2018**, 723, 221-228	5.3	23
215	Fabrication and damping behavior of a novel Mg/TiNiCu composite. *Materials Letters*, **2018**, 217, 206-210	3.3	3
214	Plasma Nitriding of 2024 Al Alloy Deposited with Ti Film: Effects of N2□H2 Ratio on Microstructure Evolution and Mechanical Properties. *Lecture Notes in Mechanical Engineering*, **2018**, 1-13	0.4	1
213	Prediction of fully compensated ferrimagnetic and nonmagnetic semiconductors with promising thermoelectric properties through the Mo substitution of Cr for Ti 2 CrZ (Z=Ge, Sn) Heusler alloys. *Intermetallics*, **2018**, 96, 72-78	3.5	2
212	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
211	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
210	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
209	Transformation Induced Plasticity Effects of a Non-Equal Molar Co-Cr-Fe-Ni High Entropy Alloy System. *Metals*, **2018**, 8, 369	2.3	21
208	Micro-Spherical Sulfur/Graphene Oxide Composite via Spray Drying for High Performance Lithium Sulfur Batteries. *Nanomaterials*, **2018**, 8,	5.4	35
207	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
206	Microstructures and mechanical properties of Ti Cr N/Al Ti Cr based coatings prepared by plasma nitriding 5083 Al alloys co-deposited with Ti Cr films. *Vacuum*, **2018**, 157, 115-123	3.7	5
205	High-Performance and Multifunctional Skinlike Strain Sensors Based on Graphene/Springlike Mesh Network. *ACS Applied Materials & Interfaces*, **2018**, 10, 19906-19913	9.5	31
204	Influence of warm-rolling and annealing temperature on the microstructure and mechanical properties of ductile non-equal molar Co40Cr25Fe10Ni25 high entropy alloys. *Materials Chemistry and Physics*, **2018**, 216, 429-434	4.4	2
203	Enhanced electrocatalytic activity and durability of Pt nanoparticles supported on ordered bimodal mesoporous carbon nanowires. *Materials Letters*, **2018**, 228, 92-95	3.3	2
202	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

201	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
200	Influence of plasma nitriding temperature on microstructures and mechanical properties of Ti-N/Ti-Al multilayer coatings on the surface of 5083 Al alloys. *Surface and Coatings Technology*, **2018**, 335, 80-87	4.4	7
199	Novel silicon nanowire film on copper foil as high performance anode for lithium-ion batteries. *Ionics*, **2018**, 24, 373-378	2.7	16
198	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
197	A PPy/ZnO functional interlayer to enhance electrochemical performance of lithium/sulfur batteries. *Nanoscale Research Letters*, **2018**, 13, 307	5	23
196	Multiscale Hierarchical Structure and Laminated Strengthening and Toughening Mechanisms **2018**,		3
195	Improved thermoelectric property of Ti0.75HfMo0.25CrGe by doping Ti2CrGe Heusler alloy with Hf and Mo: Confirmation of entropy gene in thermoelectric materials design. *Journal of Applied Physics*, **2018**, 124, 235104	2.5	4
194	Induced valley splitting in monolayer MoS2 by an antiferromagnetic insulating CoO(111) substrate. *Physical Review B*, **2018**, 98,	3.3	23
193	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
192	Hydrogen absorption and desorption behavior of Ni catalyzed MgYCNi nanocomposites. *Energy*, **2018**, 165, 709-719	7.9	14
191	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
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26	The Thickness Gradient of Microstructure and Mechanical Property in an As-cast Thin Steel Slab. *Materials Transactions*, **2004**, 45, 2456-2462	1.3	5
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21	Definitive experimental evidence for two-band superconductivity in MgB2. *Physical Review Letters*, **2003**, 91, 127001	7.4	126
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14	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
13	Decomposition Behavior of the γMn Solid Solution in a Mn–20Cu–8Ni–2Fe (at%) Alloy Studied by a Magnetic Measurement. *Materials Transactions, JIM*, **1999**, 40, 451-454		6
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11	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
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8	The fatigue life of a complex microstructure with bainite in a high carbon Cr-Si tool steel. *Metallurgical and Materials Transactions A - Physical Metallurgy and Materials Science*, **1990**, 21, 2282-2286		2
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6	On the Internal Friction Due to the Twin Boundary-H Interaction in Martensite435-444		
5	Driving force of zero-macroscopic-strain deformation twinning in face-centred-cubic metals. *Philosophical Magazine*,1-13	1.6	0
4	Microstructure□and Mechanical Properties of 800-MPa-Class High-Strength Low-Alloy Steel Part Fabricated by Wire Arc Additive Manufacturing. *Journal of Materials Engineering and Performance*,1	1.6	0

List of Publications

3	A Novel In Situ (Al3Ni + Al3Ti)/Al Composite Inoculant and Its Effects on the Microstructure, Damping and Mechanical Properties of ZnAl Eutectoid Alloy. *Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science*,1	2.3	0
2	Effects of multi walled carbon nanotubes and multilayer graphene on the damping and quasi-static compressive mechanical properties of novel EP/ZA22 composites. *Journal of Composite Materials*,002199832210951	2.7	0
1	Strain Amplitude Dependence of Internal Friction in a CuAlMn Shape Memory Alloy. *Physica Status Solidi (A) Applications and Materials Science*,2100750	1.6	