

Zhijia Wang

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

191
papers

4,412
citations

39
h-index

56
g-index

205
ext. papers

5,488
ext. citations

3.9
avg, IF

5.93
L-index

#	Paper	IF	Citations
191	Dynamic tension and constitutive model in Fe ₄₀ Mn ₂₀ Cr ₂₀ Ni ₂₀ high-entropy alloys with a heterogeneous structure. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2022 , 839, 142837	5.3	3
190	Exceptional Phase-Transformation Strengthening of Fe ₅₀ Mn ₂₀ Cr ₂₀ Ni ₁₀ Medium-Entropy Alloys at Cryogenic Temperature. <i>Metals</i> , 2022 , 12, 643	2.3	
189	Strain rate effects on the yielding strength and maximum temperature at shear bands in a Zr-based bulk metallic glass. <i>Journal of Applied Physics</i> , 2022 , 131, 175101	2.5	
188	Quasi-Periodic Oscillations of Roll System in Corrugated Rolling Mill in Resonance. <i>Mathematics</i> , 2021 , 9, 3201	2.3	
187	Formation and deformation mechanisms in gradient nanostructured NiCoCrFe high entropy alloys upon supersonic impacts. <i>Applied Physics Letters</i> , 2021 , 119, 201901	3.4	0
186	Role of local chemical fluctuations in the shock dynamics of medium entropy alloy CoCrNi. <i>Acta Materialia</i> , 2021 , 221, 117380	8.4	7
185	Numerical investigation on failure behavior of steel plate under explosive loading. <i>Science China Technological Sciences</i> , 2021 , 64, 1311-1324	3.5	0
184	Numerical study on the resistance of rigid projectiles penetrating into semi-infinite concrete targets. <i>Acta Mechanica Sinica/Lixue Xuebao</i> , 2021 , 37, 482-493	2	1
183	Novel Si-added CrCoNi medium entropy alloys achieving the breakthrough of strength-ductility trade-off. <i>Materials and Design</i> , 2021 , 197, 109202	8.1	35
182	Extra Strengthening and Work Hardening in Novel Precipitation-Hardened FeCrNiSix Medium-Entropy Alloys. <i>Advanced Engineering Materials</i> , 2021 , 23, 2001185	3.5	0
181	Mesoscale Modelling of Concretes Subjected to Triaxial Loadings: Mechanical Properties and Fracture Behaviour. <i>Materials</i> , 2021 , 14,	3.5	2
180	Compression behavior of FCC- and BCB-architected materials: theoretical and numerical analysis. <i>Acta Mechanica</i> , 2021 , 232, 4133	2.1	0
179	Experiment and Numerical Simulation on the Dynamic Response of Foam-Filled Tubes Under Lateral Blast Loading. <i>Acta Mechanica Solida Sinica</i> , 2021 , 34, 937-953	2	1
178	The load-carrying capacity of sandwich beams in different collapse mechanisms. <i>Journal of Sandwich Structures and Materials</i> , 2020 , 109963622092011	2.1	0
177	Manipulation tribological behavior of Ti6Al4V alloy via a duplex treatment of double glow plasma surface molybdenizing-laser surface texturing (LST). <i>Journal of Materials Research and Technology</i> , 2020 , 9, 6360-6375	5.5	5
176	Strengthening of an Al _{0.45} CoCrFeNi high-entropy alloy via in situ fabricated duplex-structured composites. <i>Journal of Materials Science</i> , 2020 , 55, 7894-7909	4.3	10
175	In-situ fabrication of gradient titanium oxide ceramic coating on laser surface textured Ti6Al4V alloy with improved mechanical property and wear performance. <i>Vacuum</i> , 2020 , 176, 109327	3.7	22

174	DOUBLE GLOW PLASMA SURFACE TITANIZING ON AISI 316 STAINLESS STEEL WITH IMPROVED WEAR RESISTANCE: EFFECTS OF PROCESS PARAMETERS. <i>Surface Review and Letters</i> , 2020 , 27, 1950178 ^{1.1}		
173	Performance of concrete targets mixed with coarse aggregates against rigid projectile impact. <i>International Journal of Impact Engineering</i> , 2020 , 141, 103565	4	7
172	Investigation on the dynamic response of circular sandwich panels with the bio-inspired gradient core. <i>Thin-Walled Structures</i> , 2020 , 149, 106667	4.7	5
171	Tailoring Tribological Performance of Pure Titanium by a Duplex Treatment of Laser Surface Texturing-Thermal Oxidation. <i>Journal of Materials Engineering and Performance</i> , 2020 , 29, 4047-4062	1.6	2
170	Strain-rate-sensitive mechanical response, twinning, and texture features of NiCoCrFe high-entropy alloy: Experiments, multi-level crystal plasticity and artificial neural networks modeling. <i>Journal of Alloys and Compounds</i> , 2020 , 845, 155911	5.7	10
169	Ultra-high strain-rate strengthening in ductile refractory high entropy alloys upon dynamic loading. <i>Intermetallics</i> , 2020 , 121, 106699	3.5	14
168	Internal structure recognition of EPS composite soil using fully convolutional network. <i>Japanese Geotechnical Society Special Publication</i> , 2020 , 8, 13-16	0.2	
167	Numerical integration of van der Waals force between clay plates. <i>Japanese Geotechnical Society Special Publication</i> , 2020 , 8, 23-26	0.2	
166	Characterizing Strain Rate-Dependent Mechanical Properties for Bovine Cortical Bones. <i>Journal of Biomechanical Engineering</i> , 2020 , 142,	2.1	3
165	Sb nanocrystal-anchored hollow carbon microspheres for high-capacity and high-cycling performance lithium-ion batteries. <i>Nanotechnology</i> , 2020 , 31, 135404	3.4	5
164	In-plane compression of 3D-printed self-similar hierarchical honeycombs Static and dynamic analysis. <i>Thin-Walled Structures</i> , 2020 , 157, 106990	4.7	30
163	RESEARCH STATUS OF DRY FRICTION BEHAVIOR OF METALLIC MATERIALS: A BRIEF REVIEW. <i>Surface Review and Letters</i> , 2020 , 27, 2030003	1.1	0
162	Dynamic Large Deflection Response of RC Beams under Low-Speed Impact Loading. <i>Shock and Vibration</i> , 2020 , 2020, 1-15	1.1	2
161	Geometric design and energy absorption of a new deployable cylinder tube. <i>Mechanics of Advanced Materials and Structures</i> , 2020 , 1-14	1.8	2
160	Micro-Mechanisms of Shear Deformation Localization of Ti6Al4V Alloy under Shear-Compressive Loading Conditions. <i>Materials</i> , 2020 , 13,	3.5	3
159	Simultaneous enhancement of strength and ductility in a NiCoCrFe high-entropy alloy upon dynamic tension: Micromechanism and constitutive modeling. <i>International Journal of Plasticity</i> , 2020 , 124, 226-246	7.6	69
158	Mechanical properties and deformation behavior of dual-phase Al _{0.6} CoCrFeNi high-entropy alloys with heterogeneous structure at room and cryogenic temperatures. <i>Journal of Alloys and Compounds</i> , 2020 , 816, 152663	5.7	19
157	Validation and Investigation on the Mechanical Behavior of Concrete Using a Novel 3D Mesoscale Method. <i>Materials</i> , 2019 , 12,	3.5	12

156	Structural Degradation of Cu Current Collector During Electrochemical Cycling of Sn-Based Lithium-Ion Batteries. <i>Journal of Electronic Materials</i> , 2019 , 48, 7543-7550	1.9	7
155	Molecular dynamics study on perfect and defective graphene/calcium-silicate-hydrate composites under tensile loading. <i>Molecular Simulation</i> , 2019 , 45, 1481-1487	2	3
154	3D mesoscale fracture analysis of concrete under complex loading. <i>Engineering Fracture Mechanics</i> , 2019 , 220, 106646	4.2	24
153	Preparation of titanizing coating on AISI 316 stainless steel by pack cementation to mitigate surface damage: Estimations of corrosion resistance and tribological behavior. <i>Journal of Physics and Chemistry of Solids</i> , 2019 , 129, 387-400	3.9	14
152	Energy-absorbing performance of graded Voronoi foams. <i>Journal of Cellular Plastics</i> , 2019 , 55, 589-613	1.5	7
151	Improved mechanical performance of graphene oxide based artificial nacre composites by regulating the micro-laminated structure and interface bonding. <i>Composites Science and Technology</i> , 2019 , 179, 63-68	8.6	12
150	Experimental investigation on the mechanical behavior of foamed concrete under uniaxial and triaxial loading. <i>Construction and Building Materials</i> , 2019 , 209, 41-51	6.7	20
149	Effect of laser surface texturing (LST) on tribological behavior of double glow plasma surface zirconizing coating on Ti6Al4V alloy. <i>Surface and Coatings Technology</i> , 2019 , 368, 97-109	4.4	25
148	Surface damage mitigation of titanium and its alloys via thermal oxidation: A brief review. <i>Reviews on Advanced Materials Science</i> , 2019 , 58, 132-146	4.8	15
147	A combined surface treatment of surface texturing-double glow plasma surface titanizing on AISI 316 stainless steel to combat surface damage: Comparative appraisals of corrosion resistance and wear resistance. <i>Applied Surface Science</i> , 2019 , 493, 747-765	6.7	12
146	The yielding, deformation and fracture behavior for the Widmanstätten structure of Ti8Al1Mo1V alloy upon high speed impact. <i>Journal of Alloys and Compounds</i> , 2019 , 810, 151952	5.7	4
145	Investigation of Mode I Notch Toughness of Zr41.2Ti13.8Cu10Ni12.5Be22.5 Metallic Glass under Dynamic Loading Conditions. <i>Journal of Materials Engineering and Performance</i> , 2019 , 28, 6025-6032	1.6	2
144	Sample size effect on the mechanical behavior of aluminum foam. <i>International Journal of Mechanical Sciences</i> , 2019 , 151, 622-638	5.5	23
143	Novel in-situ Ti-based dendrite/nanostructured matrix composites with excellent mechanical performances upon dynamic compression. <i>Journal of Alloys and Compounds</i> , 2019 , 781, 716-722	5.7	1
142	Experimental, numerical, and theoretical studies of the response of short cylindrical stainless steel tubes under lateral air blast loading. <i>International Journal of Impact Engineering</i> , 2019 , 124, 48-60	4	12
141	Blast response of gradient honeycomb sandwich panels with basalt fiber metal laminates as skins. <i>International Journal of Impact Engineering</i> , 2019 , 123, 126-139	4	25
140	Multiscale finite element analyses on mechanical properties of graphene-reinforced composites. <i>Mechanics of Advanced Materials and Structures</i> , 2019 , 26, 1735-1742	1.8	8
139	A theoretical model of rigid projectile perforation of concrete slabs using the energy method. <i>Science China Technological Sciences</i> , 2018 , 61, 699-710	3.5	5

138	Underbody blast effect on the pelvis and lumbar spine: A computational study. <i>Journal of the Mechanical Behavior of Biomedical Materials</i> , 2018 , 79, 9-19	4.1	8
137	Tensile behavior of an auxetic structure: Analytical modeling and finite element analysis. <i>International Journal of Mechanical Sciences</i> , 2018 , 136, 143-154	5.5	38
136	3D meso-scale modeling of reinforcement concrete with high volume fraction of randomly distributed aggregates. <i>Construction and Building Materials</i> , 2018 , 164, 350-361	6.7	41
135	Mechanical response and deformation behavior of Al _{0.6} CoCrFeNi high-entropy alloys upon dynamic loading. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2018 , 727, 208-213	5.3	48
134	Dynamic response of aluminum honeycomb sandwich panels under foam projectile impact. <i>Mechanics of Advanced Materials and Structures</i> , 2018 , 25, 637-646	1.8	11
133	Large deformation of an auxetic structure in tension: Experiments and finite element analysis. <i>Composite Structures</i> , 2018 , 184, 92-101	5.3	62
132	Synergistic effect of different graphene-CNT heterostructures on mechanical and self-healing properties of thermoplastic polyurethane composites. <i>Materials and Design</i> , 2018 , 137, 438-445	8.1	36
131	Dynamic blast loading response of sandwich beam with origami-inspired core. <i>Results in Physics</i> , 2018 , 10, 946-955	3.7	9
130	Surface Texture-Based Surface Treatments on Ti6Al4V Titanium Alloys for Tribological and Biological Applications: A Mini Review. <i>Materials</i> , 2018 , 11,	3.5	47
129	Experimental and numerical studies on dynamic responses of liquid-filled hemispherical shell under axial impact. <i>Thin-Walled Structures</i> , 2018 , 131, 606-618	4.7	3
128	Dynamic tensile properties of ROP/OCC natural hybrid fibers reinforced composites. <i>Composite Structures</i> , 2018 , 185, 600-606	5.3	5
127	Investigation on the yield behavior of AZ91 magnesium alloy. <i>Journal of Alloys and Compounds</i> , 2018 , 738, 79-88	5.7	13
126	Surface damage mitigation of TC4 alloy via micro arc oxidation for oil and gas exploitation application: Characterizations of microstructure and evaluations on surface performance. <i>Applied Surface Science</i> , 2018 , 436, 467-476	6.7	23
125	Electrochemical performance and morphological evolution of hollow Sn microspheres. <i>Solid State Ionics</i> , 2018 , 325, 120-127	3.3	11
124	Numerical investigations on the effect of reinforcement on penetration resistance of concrete slabs using a 3D meso-scale method. <i>Construction and Building Materials</i> , 2018 , 188, 793-808	6.7	9
123	Investigation on the yield behaviour and macroscopic phenomenological constitutive law of PA66. <i>Polymer Testing</i> , 2018 , 69, 563-582	4.5	8
122	Dynamic response of circular metallic sandwich panels under projectile impact. <i>Journal of Sandwich Structures and Materials</i> , 2017 , 19, 572-594	2.1	5
121	Response of aluminum corrugated sandwich panels under foam projectile impact [Experiment and numerical simulation. <i>Journal of Sandwich Structures and Materials</i> , 2017 , 19, 595-615	2.1	14

120	Dynamic response of Kevlar [®] 29/epoxy laminates under projectile impact-experimental investigation. <i>Mechanics of Advanced Materials and Structures</i> , 2017 , 24, 114-121	1.8	11
119	Cell wall material strain hardening on dynamic responses of closed-cell foams. <i>Science and Engineering of Composite Materials</i> , 2017 , 24, 883-892	1.5	1
118	Analytical model of thin-walled corrugated tubes with sinusoidal patterns under axial impacting. <i>International Journal of Mechanical Sciences</i> , 2017 , 128-129, 1-16	5.5	23
117	Sandwich panels with layered graded aluminum honeycomb cores under blast loading. <i>Composite Structures</i> , 2017 , 173, 242-254	5.3	63
116	Dynamic deformation behaviors and constitutive relations of an AlCoCr 1.5 Fe 1.5 NiTi 0.5 high-entropy alloy. <i>Scripta Materialia</i> , 2017 , 136, 15-19	5.6	40
115	Dynamic crushing behavior of open-cell aluminum foam with negative Poisson's ratio. <i>Applied Physics A: Materials Science and Processing</i> , 2017 , 123, 1	2.6	13
114	Surface damage mitigation of Ti6Al4V alloy via thermal oxidation for oil and gas exploitation application: characterization of the microstructure and evaluation of the surface performance. <i>RSC Advances</i> , 2017 , 7, 13517-13535	3.7	35
113	Load-Carrying Capacity of Circular Sandwich Plates at Large Deflection. <i>Journal of Engineering Mechanics - ASCE</i> , 2017 , 143, 04017057	2.4	4
112	Designing ductile CuZr-based metallic glass matrix composites. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2017 , 682, 542-549	5.3	29
111	Mechanical properties of cured isotropic conductive adhesive (ICA) under hygrothermal aging investigated by micro-indentation. <i>International Journal of Solids and Structures</i> , 2017 , 122-123, 81-90	3.1	12
110	Hollow SnNi@PEO nanospheres as anode materials for lithium ion batteries. <i>International Journal of Hydrogen Energy</i> , 2017 , 42, 15290-15298	6.7	13
109	Ballistic resistance and energy absorption of honeycomb structures filled with reactive powder concrete prisms. <i>Journal of Sandwich Structures and Materials</i> , 2017 , 19, 544-571	2.1	10
108	Biomechanical analysis of the fixation systems for anterior column and posterior hemi-transverse acetabular fractures. <i>Acta Orthopaedica Et Traumatologica Turcica</i> , 2017 , 51, 248-253	1.3	19
107	A pressure-dependent phenomenological constitutive model for transversely isotropic foams. <i>International Journal of Mechanical Sciences</i> , 2017 , 120, 237-248	5.5	11
106	Dynamic failure of basalt/epoxy laminates under blastExperimental observation. <i>International Journal of Impact Engineering</i> , 2017 , 102, 16-26	4	19
105	Improvement of dynamic notch toughness for the Zr 56 Co 28 Al 16 bulk metallic glass by local pre-deformation. <i>Journal of Non-Crystalline Solids</i> , 2017 , 473, 96-101	3.9	6
104	Shear softening of Ta-containing metallic glass matrix composites upon dynamic loading. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2017 , 704, 322-328	5.3	9
103	Quasi-static and dynamic experimental studies on the tensile strength and failure pattern of concrete and mortar discs. <i>Scientific Reports</i> , 2017 , 7, 15305	4.9	16

102	Temperature Effects on Tensile and Compressive Mechanical Behaviors of C-S-H Structure via Atomic Simulation. <i>Journal of Nanomaterials</i> , 2017 , 2017, 1-6	3.2	13
101	Spherical and cylindrical cavity expansion models based prediction of penetration depths of concrete targets. <i>PLoS ONE</i> , 2017 , 12, e0175785	3.7	2
100	Large deflection behavior of circular sandwich plates with metal foam-core. <i>European Journal of Mechanics, A/Solids</i> , 2016 , 55, 57-66	3.7	12
99	Dynamic response of functionally graded cellular materials based on the Voronoi model. <i>Composites Part B: Engineering</i> , 2016 , 85, 176-187	10	57
98	Dynamic response of sandwich structures with graded auxetic honeycomb cores under blast loading. <i>Composites Part B: Engineering</i> , 2016 , 106, 206-217	10	115
97	Tribological Properties of AlCrCuFeNi ₂ High-Entropy Alloy in Different Conditions. <i>Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science</i> , 2016 , 47, 3312-3321	2.3	57
96	Simulating Initial and Progressive Failure of Open-Hole Composite Laminates under Tension. <i>Applied Composite Materials</i> , 2016 , 23, 1209-1218	2	8
95	The dynamic response of sandwich panels with cellular metal cores to localized impulsive loading. <i>Composites Part B: Engineering</i> , 2016 , 94, 52-63	10	39
94	Experimental study of blast mitigation by foamed concrete. <i>International Journal of Protective Structures</i> , 2016 , 7, 179-192	1.5	12
93	Effects of strain rate on PMMA failure behavior. <i>Applied Physics A: Materials Science and Processing</i> , 2016 , 122, 1	2.6	14
92	Dynamic failure of fibre-metal laminates under impact loading [Experimental observations]. <i>Journal of Reinforced Plastics and Composites</i> , 2016 , 35, 305-319	2.9	16
91	Strain rate effects on the dynamic mechanical properties of the AlCrCuFeNi ₂ high-entropy alloy. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2016 , 649, 35-38	5.3	48
90	Finite element analysis of sandwich panels with stepwise graded aluminum honeycomb cores under blast loading. <i>Composites Part A: Applied Science and Manufacturing</i> , 2016 , 80, 1-12	8.4	81
89	Constitutive model, failure mechanism and numerical method for reinforced concrete under intensive impact loading. <i>Zhongguo Kexue Jishu Kexue/Scientia Sinica Technologica</i> , 2016 , 46, 323-331	1.3	2
88	Impact Response of Aluminium Alloy Foams Under Complex Stress States. <i>Latin American Journal of Solids and Structures</i> , 2016 , 13, 665-689	1.4	4
87	Surface Texturing-Plasma Nitriding Duplex Treatment for Improving Tribological Performance of AISI 316 Stainless Steel. <i>Materials</i> , 2016 , 9,	3.5	19
86	Pulse Shaper and Dynamic Compressive Property Investigation on Ice Using a Large-Sized Modified Split Hopkinson Pressure Bar. <i>Latin American Journal of Solids and Structures</i> , 2016 , 13, 391-406	1.4	12
85	Biomechanical Comparison of Modified TARP Technique Versus Modified Goel Technique for the Treatment of Basilar Invagination: A Finite Element Analysis. <i>Spine</i> , 2016 , 41, E459-66	3.3	14

84	Biomechanical Role of the C1 Lateral Mass Screws in Occipitoatlantoaxial Fixation: A Finite Element Analysis. <i>Spine</i> , 2016 , 41, E1312-E1318	3.3	9
83	Random Vibration Control of Laminated Composite Plates with Piezoelectric Fiber Reinforced Composites. <i>Acta Mechanica Solida Sinica</i> , 2016 , 29, 316-327	2	12
82	Biomechanical comparison of fixation systems in posterior wall fracture of acetabular by finite element analysis. <i>Computer Assisted Surgery</i> , 2016 , 21, 117-126	1.8	5
81	Study on the penetration performance of concept projectile for high-speed penetration (CPHP). <i>International Journal of Impact Engineering</i> , 2016 , 94, 1-12	4	10
80	REVIEW ON IMPROVING WEAR AND CORROSION RESISTANCE OF STEELS VIA PLASMA ELECTROLYTIC SATURATION TECHNOLOGY. <i>Surface Review and Letters</i> , 2016 , 23, 1630002	1.1	13
79	Determination of fracture parameters in center cracked circular discs of concrete under diametral loading: A numerical analysis and experimental results. <i>Theoretical and Applied Fracture Mechanics</i> , 2016 , 85, 355-366	3.7	24
78	Multiaxial creep of transversely isotropic foams. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2016 , 658, 289-295	5.3	4
77	Experimental investigation on the yield loci of PA66. <i>Polymer Testing</i> , 2016 , 51, 148-150	4.5	11
76	A parametric study on the dynamic behavior of porous bronze at various strain rates. <i>Applied Physics A: Materials Science and Processing</i> , 2016 , 122, 1	2.6	0
75	Excellent plasticity of a new Ti-based metallic glass matrix composite upon dynamic loading. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2016 , 677, 376-383	5.3	11
74	Experimental investigation on yield behavior of PMMA under combined shear-compression loading. <i>Results in Physics</i> , 2016 , 6, 265-269	3.7	18
73	Failure behaviors of reinforced concrete beams subjected to high impact loading. <i>Engineering Failure Analysis</i> , 2015 , 56, 233-243	3.2	51
72	Effect of cold rolling on the microstructure and mechanical properties of Al _{0.25} CoCrFe _{1.25} Ni _{1.25} high-entropy alloy. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2015 , 645, 163-169	5.3	43
71	Different deformation behaviors of two in-situ Ti-based metallic glass matrix composites upon quasi-static and dynamic compressions. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2015 , 639, 717-723	5.3	10
70	The mechanism of power-law scaling behavior by controlling shear bands in bulk metallic glass. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2015 , 639, 663-670	5.3	27
69	Plasticity enhancement in NiB amorphous alloy/Ni/Zr-based metallic glass composites with a sandwich structure. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2015 , 643, 175-182	5.3	9
68	Quasi-static and dynamic compression behaviors of metallic glass matrix composites. <i>Intermetallics</i> , 2015 , 60, 66-71	3.5	13
67	Quasi-static and dynamic deformation behaviors of an in-situ Ti-based metallic glass matrix composite. <i>Journal of Alloys and Compounds</i> , 2015 , 640, 305-310	5.7	25

66	Experimental study on the effects of specimen in-plane size on the mechanical behavior of aluminum hexagonal honeycombs. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2015 , 635, 23-35	5.3	30
65	Finite element simulation of metallic cylindrical sandwich shells with graded aluminum tubular cores subjected to internal blast loading. <i>International Journal of Mechanical Sciences</i> , 2015 , 96-97, 1-12	5.5	34
64	Plasticity improvement for dendrite/metallic glass matrix composites by pre-deformation. <i>Materials and Design</i> , 2015 , 86, 266-271	8.1	26
63	Microstructural features and tensile behaviors of the Al _{0.5} CrCuFeNi ₂ high-entropy alloys by cold rolling and subsequent annealing. <i>Materials and Design</i> , 2015 , 88, 1057-1062	8.1	57
62	Quasi-static bending behavior of sandwich beams with thin-walled tubes as core. <i>International Journal of Mechanical Sciences</i> , 2015 , 103, 55-62	5.5	16
61	A local mesh replacement method for modeling near-interfacial crack growth in 2D composite structures. <i>Theoretical and Applied Fracture Mechanics</i> , 2015 , 75, 70-77	3.7	10
60	Effects of experimental variables on PMMA nano-indentation measurements. <i>Polymer Testing</i> , 2015 , 41, 1-6	4.5	45
59	The effects of non-uniform temperature distribution and locally distributed anisotropic properties on thermal buckling of laminated panels. <i>Composite Structures</i> , 2015 , 119, 610-619	5.3	18
58	Experimental and numerical studies of the anti-penetration performance of sandwich panels with aluminum foam cores. <i>Acta Mechanica Solida Sinica</i> , 2015 , 28, 735-746	2	11
57	Dynamic crushing of uniform and density graded cellular structures based on the circle arc model. <i>Latin American Journal of Solids and Structures</i> , 2015 , 12, 1102-1125	1.4	13
56	A numerical study on the impact behavior of foam-cored cylindrical sandwich shells subjected to normal/oblique impact. <i>Latin American Journal of Solids and Structures</i> , 2015 , 12, 2045-2060	1.4	16
55	The Influence of Pelvic Ramus Fracture on the Stability of Fixed Pelvic Complex Fracture. <i>Computational and Mathematical Methods in Medicine</i> , 2015 , 2015, 790575	2.8	17
54	The Response of Clamped Shallow Sandwich Arches with Metallic Foam Cores to Projectile Impact Loading. <i>Latin American Journal of Solids and Structures</i> , 2015 , 12, 2363-2383	1.4	
53	Axial-impact buckling modes and energy absorption properties of thin-walled corrugated tubes with sinusoidal patterns. <i>Thin-Walled Structures</i> , 2015 , 94, 410-423	4.7	54
52	Quasi-static failure behaviour of PMMA under combined shear-compression loading. <i>Polymer Testing</i> , 2015 , 42, 181-184	4.5	21
51	Dynamic behavior of aluminum honeycomb sandwich panels under air blast: Experiment and numerical analysis. <i>Composite Structures</i> , 2014 , 108, 1001-1008	5.3	79
50	Improved plasticity of bulk metallic glasses by electrodeposition. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2014 , 615, 240-246	5.3	14
49	Damping behavior of Al _x CoCrFeNi high-entropy alloys by a dynamic mechanical analyzer. <i>Journal of Alloys and Compounds</i> , 2014 , 604, 331-339	5.7	61

48	Effect of defects on creep behavior of cellular materials. <i>Materials Letters</i> , 2014 , 136, 37-40	3-3	11
47	Uniaxial and biaxial failure behaviors of aluminum alloy foams. <i>Composites Part B: Engineering</i> , 2014 , 61, 340-349	10	36
46	An approximate theoretical analysis for clamped cylindrical sandwich shells with metallic foam cores subjected to impulsive loading. <i>Composites Part B: Engineering</i> , 2014 , 60, 150-157	10	22
45	Response of metallic cylindrical sandwich shells subjected to projectile impact—Experimental investigations. <i>Composite Structures</i> , 2014 , 107, 36-47	5-3	24
44	On crushing response of the three-dimensional closed-cell foam based on Voronoi model. <i>Mechanics of Materials</i> , 2014 , 68, 85-94	3-3	52
43	Effect of loading rate on the compressive properties of open-cell metal foams. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2014 , 592, 221-229	5-3	13
42	Plastic flows of in-situ metallic glass matrix composites upon dynamic loading. <i>Materials Letters</i> , 2014 , 119, 92-95	3-3	23
41	Response of aluminium corrugated sandwich panels under air blast loadings: Experiment and numerical simulation. <i>International Journal of Impact Engineering</i> , 2014 , 65, 79-88	4	69
40	Superior high tensile elongation of a single-crystal CoCrFeNiAl _{0.3} high-entropy alloy by Bridgman solidification. <i>Intermetallics</i> , 2014 , 54, 104-109	3-5	113
39	An experimental study of the dynamic response of cylindrical sandwich shells with metallic foam cores subjected to blast loading. <i>International Journal of Impact Engineering</i> , 2014 , 71, 60-72	4	42
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30	Deformation and failure of clamped shallow sandwich arches with foam core subjected to projectile impact. <i>Composites Part B: Engineering</i> , 2013 , 44, 330-338	10	21
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