

Qingyuan Wang

List of Publications by Year in descending order

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205
papers

4,525
citations

109321

35
h-index

155660

55
g-index

210
all docs

210
docs citations

210
times ranked

2980
citing authors

#	ARTICLE	IF	CITATIONS
1	Effect of long-period stacking ordered structure on very high cycle fatigue properties of Mg-Gd-Y-Zn-Zr alloys. <i>Journal of Magnesium and Alloys</i> , 2023, 11, 2811-2822.	11.9	5
2	Recent advances on size effect in metal fatigue under defects: a review. <i>International Journal of Fracture</i> , 2022, 234, 21-43.	2.2	52
3	Nitrogen/oxygen codoped hierarchical porous Carbons/Selenium cathode with excellent lithium and sodium storage behavior. <i>Journal of Colloid and Interface Science</i> , 2022, 608, 265-274.	9.4	20
4	Effect of ultrasonic peening treatment on the fatigue behaviors of a magnesium alloy up to very high cycle regime. <i>Journal of Magnesium and Alloys</i> , 2022, 10, 614-626.	11.9	18
5	Probabilistic fatigue modeling of notched components under size effect using modified energy field intensity approach. <i>Mechanics of Advanced Materials and Structures</i> , 2022, 29, 6379-6389.	2.6	4
6	Slip-driven and weld pore assisted fatigue crack nucleation in electron beam welded TC17 titanium alloy joint. <i>International Journal of Fatigue</i> , 2022, 154, 106525.	5.7	5
7	Fatigue life prediction of notched components under size effect using stress gradient-based approach. <i>International Journal of Fracture</i> , 2022, 234, 249-261.	2.2	16
8	Crack initiation and propagation characteristics of a dual-phase Mg-Li alloy under high-cycle and very-high-cycle fatigue regimes. <i>Fatigue and Fracture of Engineering Materials and Structures</i> , 2022, 45, 84-100.	3.4	3
9	Enhancement of fatigue resistance by direct aging treatment in electron beam welded Ti-5Al-2Sn-2Zr-4Mo-4Cr alloy joint. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2022, 829, 142168.	5.6	5
10	Microcrack Detection in Thermally Damaged Concrete Based on Broadband Frequency Coupling of Nonlinear Ultrasonic Modulation. <i>Journal of Materials in Civil Engineering</i> , 2022, 34, .	2.9	1
11	Development of a photomicroscope method for <i>in situ</i> damage monitoring under ultrasonic fatigue test. <i>International Journal of Structural Integrity</i> , 2022, 13, 237-250.	3.3	11
12	Probabilistic fatigue modelling of metallic materials under notch and size effect using the weakest link theory. <i>International Journal of Fatigue</i> , 2022, 159, 106788.	5.7	63
13	Deformation nanotwins in a single-crystal Ni-based superalloy at room temperature and low strain rate. <i>Materials Characterization</i> , 2022, 187, 111865.	4.4	10
14	Defect tolerant fatigue assessment of AM materials: Size effect and probabilistic prospects. <i>International Journal of Fatigue</i> , 2022, 160, 106884.	5.7	102
15	Crack Initiation Mechanism and Life Prediction of Ti60 Titanium Alloy Considering Stress Ratios Effect in Very High Cycle Fatigue Regime. <i>Materials</i> , 2022, 15, 2800.	2.9	5
16	Creep-fatigue voids and sub-grain boundaries assisted crack initiation for titanium alloy in VHCF regime with high mean stress at 400°C. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2022, 844, 143171.	5.6	15
17	Ventilating aged-care center based on solar chimney: Design and theoretical analysis. <i>Energy and Buildings</i> , 2022, 266, 112145.	6.7	1
18	Effect of temperature on tensile behavior, fracture morphology and deformation mechanisms of Nickel-based single crystal CMSX-4. <i>Journal of Alloys and Compounds</i> , 2022, 912, 165175.	5.5	14

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19	Effects of local microstructure on crack initiation in super martensitic stainless steel under very-high-cycle fatigue. <i>International Journal of Fatigue</i> , 2022, 163, 107019.	5.7	13
20	In-Situ Thermography Investigation of Crack Growth in Armco Iron under Gigacycle Fatigue Loading. <i>Metals</i> , 2022, 12, 870.	2.3	1
21	Crack initiation mechanism of titanium alloy in very high cycle fatigue regime at 400â„ƒ considering stress ratio effect. <i>International Journal of Fatigue</i> , 2022, 163, 107012.	5.7	15
22	Adhesive Contact of a One-Dimensional Hexagonal Quasicrystal Half-Space Punched by a Spherical Indenter. <i>Acta Mechanica Solida Sinica</i> , 2022, 35, 787-799.	1.9	2
23	From the flow to the polarization field: A cognitive way for ferroelectric vortex structures. <i>Applied Physics Letters</i> , 2022, 120, .	3.3	1
24	Diffused phase transition, ionic conduction mechanisms and electric-field dependent ferroelectricity of Nb/Ce co-doped Pb(Zr _{0.52} Ti _{0.48})O ₃ ceramics. <i>Journal of Alloys and Compounds</i> , 2021, 854, 155500.	5.5	15
25	Low cycle fatigue properties, damage mechanism, life prediction and microstructure of MarBN steel: Influence of temperature. <i>International Journal of Fatigue</i> , 2021, 144, 106070.	5.7	22
26	A mix design method of fly ash geopolymer concrete based on factors analysis. <i>Construction and Building Materials</i> , 2021, 272, 121612.	7.2	40
27	Mechanical behaviors of electron beam welded titanium alloy up to very high cycle fatigue under different process conditions. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2021, 802, 140685.	5.6	10
28	Vacuum retarding and air accelerating effect on the high-cycle and very-high-cycle fatigue behavior of a ZK60 magnesium alloy. <i>Materials and Design</i> , 2021, 198, 109310.	7.0	15
29	A sustainable approach for bioconversion of food and lignocellulosic wastes into liquid biofuel using a new <i>Metschnikowia pulcherrima</i> isolate. <i>International Journal of Energy Research</i> , 2021, 45, 3430-3441.	4.5	9
30	Ni ₂ Cu ⁺ /CuO/Ni(OH) ₂ as highly active and stable electrocatalysts for oxygen evolution reaction. <i>New Journal of Chemistry</i> , 2021, 45, 18482-18490.	2.8	14
31	Interactions between twin boundary and point defects in magnesium at low temperature. <i>Journal of Materials Research</i> , 2021, 36, 2639-2650.	2.6	5
32	Practical Prediction Models of Tensile Strength and Reinforcement-Concrete Bond Strength of Low-Calcium Fly Ash Geopolymer Concrete. <i>Polymers</i> , 2021, 13, 875.	4.5	14
33	Strain rate dependency of dislocation plasticity. <i>Nature Communications</i> , 2021, 12, 1845.	12.8	97
34	Enhancement of biodiesel yield and characteristics through in-situ solvo-thermal co-transesterification of wet microalgae with spent coffee grounds. <i>Bioresource Technology</i> , 2021, 323, 124640.	9.6	54
35	Production of a novel slow-release coal fly ash microbial fertilizer for restoration of mine vegetation. <i>Waste Management</i> , 2021, 124, 185-194.	7.4	12
36	Tensile and very high cycle fatigue behaviors of a compressor blade titanium alloy at room and high temperatures. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2021, 811, 141049.	5.6	38

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37	Thermal shock resistance and crack growth behavior of Aurivillius phase Bi ₄ Ti ₃ O ₁₂ -based ferroelectric ceramics. <i>Progress in Natural Science: Materials International</i> , 2021, 31, 248-254.	4.4	3
38	Accelerated carbonation technology for enhanced treatment of recycled concrete aggregates: A state-of-the-art review. <i>Construction and Building Materials</i> , 2021, 282, 122671.	7.2	85
39	Comparison in Deformation Behavior, Microstructure, and Failure Mechanism of Nickel Base Alloy 625 under Two Strain Rates. <i>Materials</i> , 2021, 14, 2652.	2.9	4
40	Chatter Stability Prediction and Process Parameters™ Optimization of Milling Considering Uncertain Tool Information. <i>Symmetry</i> , 2021, 13, 1071.	2.2	2
41	Influence of the volume content of $\hat{\Gamma}_1 + \hat{\Gamma}_2$ colonies on the very high cycle fatigue behavior of a titanium alloy. <i>Fatigue and Fracture of Engineering Materials and Structures</i> , 2021, 44, 2643-2658.	3.4	8
42	A DFT study of Ti ₃ C ₂ O ₂ MXenes quantum dots supported on single layer graphene: Electronic structure an hydrogen evolution performance. <i>Frontiers of Physics</i> , 2021, 16, 1.	5.0	12
43	Dependence on temperature of compression behavior and deformation mechanisms of nickel-based single crystal CMSX-4. <i>Journal of Alloys and Compounds</i> , 2021, 866, 158878.	5.5	21
44	Energy assessment methods for solar chimney in buildings: A review. <i>Journal of Renewable and Sustainable Energy</i> , 2021, 13, .	2.0	2
45	Microscopic and macroscopic analyses of the interaction mechanism between defect growth and dislocation emission in single-crystal aluminum. <i>Fatigue and Fracture of Engineering Materials and Structures</i> , 2021, 44, 3008-3022.	3.4	7
46	Assessment of notch fatigue and size effect using stress field intensity approach. <i>International Journal of Fatigue</i> , 2021, 149, 106279.	5.7	33
47	Localized dislocation interactions within slip bands and crack initiation in Mg-10Gd-3Y-0.3Zr alloy. <i>International Journal of Fatigue</i> , 2021, 150, 106302.	5.7	16
48	Heterogeneous microstructure and associated mechanical properties of thick electron beam welded Ti-5Al-2Sn-2Zr-4Mo-4Cr alloy joint. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2021, 825, 141850.	5.6	14
49	Phase-field modeling of hydro-thermally induced fracture in thermo-poroelastic media. <i>Engineering Fracture Mechanics</i> , 2021, 254, 107887.	4.3	23
50	Molecular dynamics simulations on the dislocation interactions in magnesium. <i>Computational Materials Science</i> , 2021, 197, 110597.	3.0	2
51	Strength and toughness of ambient-cured geopolymer concrete containing virgin and recycled fibres in mono and hybrid combinations. <i>Construction and Building Materials</i> , 2021, 304, 124649.	7.2	23
52	Cyclic plastic deformation mechanism and cyclic hardening model of Sanicro 25 steel welded joint. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2021, 827, 141878.	5.6	4
53	Bismuth titanate based piezoceramics: Structural evolutions and electrical behaviors at different sintering temperatures. <i>Journal of Alloys and Compounds</i> , 2021, 882, 160637.	5.5	15
54	Very long life fatigue failure mechanism of electron beam welded joint for titanium alloy at elevated temperature. <i>International Journal of Fatigue</i> , 2021, 152, 106446.	5.7	17

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55	Novel Isotropic Anti-Tri-Missing Rib Auxetics with Prescribed In-Plane Mechanical Properties Over Large Deformations. <i>International Journal of Applied Mechanics</i> , 2021, 13, .	2.2	31
56	Life Cycle Assessment and Impact Correlation Analysis of Fly Ash Geopolymer Concrete. <i>Materials</i> , 2021, 14, 7375.	2.9	20
57	Ferroelastic properties and compressive stress-strain response of bismuth titanate based ferroelectrics. <i>Ceramics International</i> , 2020, 46, 1183-1188.	4.8	13
58	Ferroelastic domain switching and $P-E$ curve behavior in lead zirconate titanate (Zr/Ti=52/48) based ferroelectric ceramics. <i>Journal of the American Ceramic Society</i> , 2020, 103, 1067-1078.	3.8	8
59	Effect of microstructure inhomogeneity and crack initiation environment on the very high cycle fatigue behavior of a magnesium alloy. <i>International Journal of Fatigue</i> , 2020, 131, 105376.	5.7	22
60	Stress-strain relationship of translucent nanocrystalline Gadolinium Zirconate ceramic with grain size below 10Ånm using nanoindentation. <i>Ceramics International</i> , 2020, 46, 8490-8494.	4.8	5
61	A review on the recovery of fire-damaged concrete with post-fire-curing. <i>Construction and Building Materials</i> , 2020, 237, 117564.	7.2	47
62	External wind on the optimum designing parameters of a wall solar chimney in building. <i>Sustainable Energy Technologies and Assessments</i> , 2020, 42, 100842.	2.7	12
63	Deterioration of ambient-cured and heat-cured fly ash geopolymer concrete by high temperature exposure and prediction of its residual compressive strength. <i>Construction and Building Materials</i> , 2020, 262, 120924.	7.2	84
64	A comparative study of low cycle fatigue behavior and microstructure of Cr-based steel at room and high temperatures. <i>Materials and Design</i> , 2020, 195, 109000.	7.0	22
65	Room temperature creep behavior of nanocrystalline Gd ₂ Zr ₂ O ₇ ceramic with grain size below 10Ånm. <i>Ceramics International</i> , 2020, 46, 29321-29325.	4.8	2
66	Enhanced extra-long life fatigue resistance of a bimodal titanium alloy by laser shock peening. <i>International Journal of Fatigue</i> , 2020, 141, 105868.	5.7	41
67	The effect of notch size on critical distance and fatigue life predictions. <i>Materials and Design</i> , 2020, 196, 109095.	7.0	68
68	The Effect of Stress Ratios on the Very High Cycle Fatigue Behavior of 9%Cr Turbine Steel at 630 Å°C. <i>Materials</i> , 2020, 13, 3444.	2.9	4
69	Bending Fatigue Behavior of 316L Stainless Steel up to Very High Cycle Fatigue Regime. <i>Materials</i> , 2020, 13, 4820.	2.9	5
70	A closed-form solution for the 3D steady-state thermoporoelastic field in an infinite transversely isotropic rock weakened by an elliptical crack. <i>International Journal of Rock Mechanics and Minings Sciences</i> , 2020, 129, 104292.	5.8	10
71	Comparative study of very high cycle tensile and torsional fatigue in TC17 titanium alloy. <i>International Journal of Fatigue</i> , 2020, 139, 105720.	5.7	21
72	Effect of texture and banded structure on the crack initiation mechanism of a friction stir welded magnesium alloy joint in very high cycle fatigue regime. <i>International Journal of Fatigue</i> , 2020, 136, 105617.	5.7	18

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73	Competing crack initiation behaviors of a laser additively manufactured nickel-based superalloy in high and very high cycle fatigue regimes. <i>International Journal of Fatigue</i> , 2020, 136, 105580.	5.7	80
74	Effects of defects on tensile and fatigue behaviors of selective laser melted titanium alloy in very high cycle regime. <i>International Journal of Fatigue</i> , 2020, 140, 105795.	5.7	54
75	Crack propagation behavior in lead zirconate titanate-based ferroelectric ceramics. <i>Ceramics International</i> , 2020, 46, 12430-12436.	4.8	0
76	Enhanced hexa-missing rib auxetics for achieving targeted constant NPR and in-plane isotropy at finite deformation. <i>Smart Materials and Structures</i> , 2020, 29, 045030.	3.5	29
77	Effects of metallic microstructures on fatigue fracture of Q345 steel. <i>Journal of Iron and Steel Research International</i> , 2020, 27, 702-709.	2.8	8
78	Numerical simulation of two-way fluid-structure interaction of wind loading on buildings. <i>Journal of the Chinese Institute of Engineers, Transactions of the Chinese Institute of Engineers, Series A/Chung-kuo Kung Ch'eng Hsueh K'an</i> , 2020, 43, 225-240.	1.1	5
79	FeCoNi Ternary Spinel Oxides Nanosheets as High Performance Water Oxidation Electrocatalyst. <i>ChemCatChem</i> , 2020, 12, 2209-2214.	3.7	10
80	A systematic analysis of the radial resonance frequency spectra of the PZT-based (Zr/Ti = 52/48) piezoceramic thin disks. <i>Journal of Advanced Ceramics</i> , 2020, 9, 380-392.	17.4	13
81	Effect of temperature on the performance of laterally constrained dielectric elastomer actuators with failure modes. <i>Journal of Applied Polymer Science</i> , 2020, 137, 49037.	2.6	7
82	Probabilistic framework for fatigue life assessment of notched components under size effects. <i>International Journal of Mechanical Sciences</i> , 2020, 181, 105685.	6.7	226
83	Effect of high temperature on crack initiation of super austenitic stainless steel 654SMO in very high cycle fatigue. <i>Materials and Design</i> , 2020, 193, 108750.	7.0	14
84	Tensile properties, strain rate sensitivity and failure mechanism of single crystal superalloys CMSX-4. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2020, 782, 139105.	5.6	32
85	Simulation-based design and optimization and fatigue characteristics for high-speed backplane connector. <i>Advances in Mechanical Engineering</i> , 2019, 11, 168781401985675.	1.6	21
86	A general scenario of fish-eye crack initiation on the life of high-strength steels in the very high-cycle fatigue regime. <i>Fatigue and Fracture of Engineering Materials and Structures</i> , 2019, 42, 2183-2194.	3.4	26
87	Determination of the crack initiation stress, elastic modulus and ultimate crack length in TPBT concrete beams based on shear deformation theory. <i>Engineering Fracture Mechanics</i> , 2019, 220, 106572.	4.3	1
88	The Effect of Ordinary Portland Cement Substitution on the Thermal Stability of Geopolymer Concrete. <i>Materials</i> , 2019, 12, 2501.	2.9	15
89	Effects of alloying on deformation twinning in high entropy alloys. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2019, 763, 138143.	5.6	37
90	Indentation on a one-dimensional hexagonal quasi-crystal half-space by an elliptic indenter. <i>Meccanica</i> , 2019, 54, 1225-1243.	2.0	7

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91	Influence of Welded Pores on Very Long-Life Fatigue Failure of the Electron Beam Welding Joint of TC17 Titanium Alloy. <i>Materials</i> , 2019, 12, 1825.	2.9	18
92	Stress-strain calculation and fatigue life assessment of V-shaped notches of turbine disk alloys. <i>Engineering Failure Analysis</i> , 2019, 106, 104187.	4.0	30
93	Fretting behaviors of a steel up to very high cycle fatigue. <i>Wear</i> , 2019, 438-439, 203078.	3.1	4
94	Fatigue resistance of post-buckled slender trapezoidal corrugated webs in girders with stiff flanges. <i>Engineering Structures</i> , 2019, 198, 109478.	5.3	6
95	Tensile and fatigue behavior of electron beam welded TC17 titanium alloy joint. <i>International Journal of Fatigue</i> , 2019, 128, 105210.	5.7	22
96	Indentation on a half-infinite one-dimensional hexagonal quasi-crystal space by a rigid flat-ended cylindrical indenter with uniform heat flux or temperature. <i>Mechanics of Materials</i> , 2019, 131, 33-46.	3.2	11
97	Effects of microstructural inhomogeneities and micro-defects on tensile and very high cycle fatigue behaviors of the friction stir welded ZK60 magnesium alloy joint. <i>International Journal of Fatigue</i> , 2019, 122, 218-227.	5.7	39
98	Hybrid Amorphous/Crystalline FeNi (Oxy) Hydroxide Nanosheets for Enhanced Oxygen Evolution. <i>ChemCatChem</i> , 2019, 11, 3004-3009.	3.7	12
99	Optimization of Concrete Mixture Design Using Adaptive Surrogate Model. <i>Sustainability</i> , 2019, 11, 1991.	3.2	4
100	Using the Green Solvent Dimethyl Sulfoxide To Replace Traditional Solvents Partly and Fabricating PVC/PVC- <i>g</i> -PEGMA Blended Ultrafiltration Membranes with High Permeability and Rejection. <i>Industrial & Engineering Chemistry Research</i> , 2019, 58, 6413-6423.	3.7	65
101	Effect of Preliminary Torsional Strain on Low-Cycle Fatigue of Q345B Structural Steel. <i>Strength of Materials</i> , 2019, 51, 138-144.	0.5	2
102	Mechanical behaviour of concrete-filled double-skin steel tube (CFDST) with stiffeners under axial and eccentric loading. <i>Thin-Walled Structures</i> , 2019, 138, 215-230.	5.3	51
103	Oxygen octahedron tilting, electrical properties and mechanical behaviors in alkali niobate-based lead-free piezoelectric ceramics. <i>Journal of Materiomics</i> , 2019, 5, 372-384.	5.7	25
104	Effect of Ultrasonic Peening Treatment on VHCF Behavior of Friction Stir Welded Joints in Aluminum Alloys. <i>IOP Conference Series: Materials Science and Engineering</i> , 2019, 611, 012011.	0.6	1
105	Investigating Various Factors Affecting the Long-Term Compressive Strength of Heat-Cured Fly Ash Geopolymer Concrete and the Use of Orthogonal Experimental Design Method. <i>International Journal of Concrete Structures and Materials</i> , 2019, 13, .	3.2	31
106	Electron Beam Welding of Nimonic 80A Superalloy: Microstructure Evolution and EBSD Study After Aging Heat Treatment. <i>Journal of Materials Engineering and Performance</i> , 2019, 28, 741-752.	2.5	12
107	Fatigue Crack Propagation of Nickel-Based Superalloy: Experiments and Simulations with Extended Finite Element Method. <i>Journal of Materials Engineering and Performance</i> , 2019, 28, 967-972.	2.5	4
108	Small crack initiation and early propagation in an as-extruded Mg-10Gd-3Y-0.5Zr alloy in high cycle fatigue regime. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2019, 744, 716-723.	5.6	22

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109	Effect of microstructure on small fatigue crack initiation and early propagation behavior in Mg-10Gd-3Y-0.3Zr alloy. <i>International Journal of Fatigue</i> , 2019, 119, 311-319.	5.7	42
110	Effects of Stress Ratio and Microstructure on Fatigue Failure Behavior of Polycrystalline Nickel Superalloy. <i>Journal of Materials Engineering and Performance</i> , 2018, 27, 2534-2544.	2.5	4
111	Numerical Simulation of the Electron Beam Welding and Post Welding Heat Treatment Coupling Process. <i>High Temperature Materials and Processes</i> , 2018, 37, 793-800.	1.4	8
112	Size effect on hardness for micro-sized and nano-sized YAG transparent ceramics. <i>Ceramics International</i> , 2018, 44, 12472-12476.	4.8	13
113	A method of detecting the cracks of concrete undergo high-temperature. <i>Construction and Building Materials</i> , 2018, 162, 345-358.	7.2	51
114	Micro-crack initiation and propagation in a high strength aluminum alloy during very high cycle fatigue. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2018, 715, 404-413.	5.6	45
115	Failure mode, ferroelastic behavior and toughening effect of bismuth titanate ferroelectric ceramics under uniaxial compression load. <i>Materials and Design</i> , 2018, 152, 54-64.	7.0	10
116	On the densification mechanism of nano grained Yttrium aluminum garnet transparent ceramic during high pressure sintering process. <i>Scripta Materialia</i> , 2018, 142, 126-128.	5.2	21
117	Effects of the Electron Beam Welding Process on the Microstructure, Tensile, Fatigue and Fracture Properties of Nickel Alloy Nimonic 80A. <i>Journal of Materials Engineering and Performance</i> , 2018, 27, 89-98.	2.5	12
118	Very-high-cycle fatigue crack initiation and propagation behaviours of magnesium alloy ZK60. <i>Materials Science and Technology</i> , 2018, 34, 639-647.	1.6	14
119	Probabilistic fatigue life prediction and reliability assessment of a high pressure turbine disc considering load variations. <i>International Journal of Damage Mechanics</i> , 2018, 27, 1569-1588.	4.2	145
120	Shear behaviour of structural silicone adhesively bonded steel-glass orthogonal lap joints. <i>Journal of Adhesion Science and Technology</i> , 2018, 32, 2693-2708.	2.6	6
121	Stress Ratio and Notch Effects on the Very High Cycle Fatigue Properties of a Near-Alpha Titanium Alloy. <i>Materials</i> , 2018, 11, 1778.	2.9	15
122	Experimental Study on Drop-Weight Impact Response of Basalt Fiber Aluminum Laminates (BFMLs). <i>Advances in Materials Science and Engineering</i> , 2018, 2018, 1-13.	1.8	4
123	Effect of precipitate orientation on the twinning deformation in magnesium alloys. <i>Computational Materials Science</i> , 2018, 155, 378-382.	3.0	17
124	Fatigue reliability analysis of crack growth life using maximum entropy method. <i>Advances in Mechanical Engineering</i> , 2018, 10, 168781401877589.	1.6	3
125	Flexural fracture mechanisms and fatigue behaviors of Bi ₄ Ti ₃ O ₁₂ -based high-temperature piezoceramics sintered at different temperatures. <i>Ceramics International</i> , 2018, 44, 16758-16765.	4.8	22
126	Indentation Behavior and Mechanical Properties of Tungsten/Chromium co-Doped Bismuth Titanate Ceramics Sintered at Different Temperatures. <i>Materials</i> , 2018, 11, 503.	2.9	17

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127	Ion Doping Effects on the Lattice Distortion and Interlayer Mismatch of Aurivillius-Type Bismuth Titanate Compounds. <i>Materials</i> , 2018, 11, 821.	2.9	29
128	Effect of sulphate attack on the flexural fatigue behaviour of fly ash-based geopolymer concrete. <i>Journal of Strain Analysis for Engineering Design</i> , 2018, 53, 711-718.	1.8	11
129	Poling effect and sintering temperature dependence on fracture strength and fatigue properties of bismuth titanate based piezoceramics. <i>Ceramics International</i> , 2018, 44, 20432-20440.	4.8	10
130	Experimental Study of Post-heated Steel Reinforced Recycled Concrete Columns Repaired with CFRP. <i>Journal Wuhan University of Technology, Materials Science Edition</i> , 2018, 33, 901-907.	1.0	3
131	Stress ratio effect on notched fatigue behavior of a Ti-8Al-1Mo-1V alloy in the very high cycle fatigue regime. <i>International Journal of Fatigue</i> , 2018, 116, 80-89.	5.7	28
132	Effect of Curing Condition on Compressive Strength of Fly Ash Geopolymer Concrete. <i>ACI Materials Journal</i> , 2018, 115, .	0.2	6
133	Small crack behavior of extruded Mg-Gd-Y-Zr alloy under high cycle fatigue. <i>The Proceedings of Conference of Kyushu Branch</i> , 2018, 2018.71, C45.	0.0	0
134	Dielectric abnormality and ferroelectric asymmetry in W/Cr co-doped Bi ₄ Ti ₃ O ₁₂ ceramics based on the effect of defect dipoles. <i>Journal of Alloys and Compounds</i> , 2017, 696, 746-753.	5.5	61
135	Mean stress and ratcheting corrections in fatigue life prediction of metals. <i>Fatigue and Fracture of Engineering Materials and Structures</i> , 2017, 40, 1343-1354.	3.4	75
136	SiS nanosheets as a promising anode material for Li-ion batteries: a computational study. <i>Physical Chemistry Chemical Physics</i> , 2017, 19, 8563-8567.	2.8	11
137	Grain boundary sliding mechanism in plastic deformation of nano-grained YAG transparent ceramics: Generalized self-consistent model and nanoindentation experimental validation. <i>Journal of the European Ceramic Society</i> , 2017, 37, 2705-2715.	5.7	15
138	High-Cycle Fatigue Properties and Damage Mechanism of Q345B Structural Steel. <i>Strength of Materials</i> , 2017, 49, 67-74.	0.5	4
139	Correlation between microstructural evolutions and electrical/mechanical behaviors in Nb/Ce co-doped Pb(Zr 0.52 Ti 0.48)O ₃ ceramics at different sintering temperatures. <i>Materials Research Bulletin</i> , 2017, 94, 174-182.	5.2	15
140	Core structures and mobility of $\frac{1}{2}\langle 111 \rangle$ dislocations in magnesium. <i>Scripta Materialia</i> , 2017, 135, 37-40.	5.2	21
141	Effects of cement dosage and cooling regimes on the compressive strength of concrete after post-fire-curing from 800 °C. <i>Construction and Building Materials</i> , 2017, 142, 208-220.	7.2	42
142	In-plane shear compression behaviour of steel-glass composite beams with laminated glass webs. <i>Engineering Structures</i> , 2017, 150, 892-904.	5.3	6
143	Material properties of basalt fibre reinforced concrete made with recycled earthquake waste. <i>Construction and Building Materials</i> , 2017, 130, 241-251.	7.2	130
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