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	Probabilistic framework for fatigue life assessment of notched components under size effects. International Journal of Mechanical Sciences, 2020, 181, 105685.	6.7	226
2	Structural behaviour of RC beams with external flexural and flexuralâ€“shear strengthening by FRP sheets. Composites Part B: Engineering, 2013, 44, 604-612.	12.0	159
3	Probabilistic fatigue life prediction and reliability assessment of a high pressure turbine disc considering load variations. International Journal of Damage Mechanics, 2018, 27, 1569-1588.	4.2	145
4	Material properties of basalt fibre reinforced concrete made with recycled earthquake waste. Construction and Building Materials, 2017, 130, 241-251.	7.2	130
5	Defect tolerant fatigue assessment of AM materials: Size effect and probabilistic prospects. International Journal of Fatigue, 2022, 160, 106884.	5.7	102
6	An Ideal Ultrafine-Grained Structure for High Strength and High Ductility. Materials Research Letters, 2015, 3, 88-94.	8.7	100
7	Strain rate dependency of dislocation plasticity. Nature Communications, 2021, 12, 1845.	12.8	97
8	Very high cycle fatigue behaviors of a turbine engine blade alloy at various stress ratios. International Journal of Fatigue, 2017, 99, 35-43.	5.7	87
9	A Combined High and Low Cycle Fatigue Model for Life Prediction of Turbine Blades. Materials, 2017, 10, 698.	2.9	85
10	Accelerated carbonation technology for enhanced treatment of recycled concrete aggregates: A state-of-the-art review. Construction and Building Materials, 2021, 282, 122671.	7.2	85
11	Deterioration of ambient-cured and heat-cured fly ash geopolymer concrete by high temperature exposure and prediction of its residual compressive strength. Construction and Building Materials, 2020, 262, 120924.	7.2	84
12	Competing crack initiation behaviors of a laser additively manufactured nickel-based superalloy in high and very high cycle fatigue regimes. International Journal of Fatigue, 2020, 136, 105580.	5.7	80
13	Mean stress and ratcheting corrections in fatigue life prediction of metals. Fatigue and Fracture of Engineering Materials and Structures, 2017, 40, 1343-1354.	3.4	75
14	The effect of notch size on critical distance and fatigue life predictions. Materials and Design, 2020, 196, 109095.	7.0	68
15	Temperature effects on the mobility of pyramidal < c + a > dislocations in magnesium. Scripta Materialia, 2017, 127, 68-71.	5.2	65
16	Using the Green Solvent Dimethyl Sulfoxide To Replace Traditional Solvents Partly and Fabricating PVC/PVC-g-PEGMA Blended Ultrafiltration Membranes with High Permeability and Rejection. Industrial & Engineering Chemistry Research, 2019, 58, 6413-6423.	3.7	65
17	Probabilistic fatigue modelling of metallic materials under notch and size effect using the weakest link theory. International Journal of Fatigue, 2022, 159, 106788.	5.7	63
18	Dielectric abnormality and ferroelectric asymmetry in W/Cr co-doped Bi4Ti3O12 ceramics based on the effect of defect dipoles. Journal of Alloys and Compounds, 2017, 696, 746-753.	5.5	61

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19	Crystalline structure, ferroelectric properties, and electrical conduction characteristics of W/Cr co-doped Bi4Ti3O12 ceramics. Journal of Alloys and Compounds, 2014, 612, 120-125.	5.5	57
20	Effects of defects on tensile and fatigue behaviors of selective laser melted titanium alloy in very high cycle regime. International Journal of Fatigue, 2020, 140, 105795.	5.7	54
21	Enhancement of biodiesel yield and characteristics through in-situ solvo-thermal co-transesterification of wet microalgae with spent coffee grounds. Bioresource Technology, 2021, 323, 124640.	9.6	54
22	Recent advances on size effect in metal fatigue under defects: a review. International Journal of Fracture, 2022, 234, 21-43.	2.2	52
23	A method of detecting the cracks of concrete undergo high-temperature. Construction and Building Materials, 2018, 162, 345-358.	7.2	51
24	Mechanical behaviour of concrete-filled double-skin steel tube (CFDST) with stiffeners under axial and eccentric loading. Thin-Walled Structures, 2019, 138, 215-230.	5.3	51
25	A review on the recovery of fire-damaged concrete with post-fire-curing. Construction and Building Materials, 2020, 237, 117564.	7.2	47
26	Micro-crack initiation and propagation in a high strength aluminum alloy during very high cycle fatigue. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2018, 715, 404-413.	5.6	45
27	Properties of Foamed Mortar Prepared with Granulated Blast-Furnace Slag. Materials, 2015, 8, 462-473.	2.9	42
28	Effects of cement dosage and cooling regimes on the compressive strength of concrete after post-fire-curing from 800 Â°C. Construction and Building Materials, 2017, 142, 208-220.	7.2	42
29	Effect of microstructure on small fatigue crack initiation and early propagation behavior in Mg-10Gd-3Y-0.3Zr alloy. International Journal of Fatigue, 2019, 119, 311-319.	5.7	42
30	Enhanced extra-long life fatigue resistance of a bimodal titanium alloy by laser shock peening. International Journal of Fatigue, 2020, 141, 105868.	5.7	41
31	A mix design method of fly ash geopolymer concrete based on factors analysis. Construction and Building Materials, 2021, 272, 121612.	7.2	40
32	Effects of microstructural inhomogeneities and micro-defects on tensile and very high cycle fatigue behaviors of the friction stir welded ZK60 magnesium alloy joint. International Journal of Fatigue, 2019, 122, 218-227.	5.7	39
33	Fatigue assessment of welds joining corrugated steel webs to flange plates. Engineering Structures, 2014, 73, 1-12.	5.3	38
34	Through thickness property variations in friction stir welded AA6061 joint fatigued in very high cycle fatigue regime. International Journal of Fatigue, 2016, 82, 379-386.	5.7	38
35	Tensile and very high cycle fatigue behaviors of a compressor blade titanium alloy at room and high temperatures. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2021, 811, 141049.	5.6	38
36	Effects of alloying on deformation twinning in high entropy alloys. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2019, 763, 138143.	5.6	37

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37	Unique mechanical properties of nano-grained YAG transparent ceramics compared with coarse-grained partners. Materials and Design, 2016, 105, 9-15.	7.0	36
38	Towards further understanding of stacking fault tetrahedron absorption and defect-free channels â€“ A molecular dynamics study. Journal of Nuclear Materials, 2015, 458, 176-186.	2.7	35
39	Microstructures, dielectric, and piezoelectric properties of W/Cr co-doped Bi4Ti3O12 ceramics. Journal of Applied Physics, 2014, 116, .	2.5	34
40	Fatigue crack initiation behaviors throughout friction stir welded joints in AA7075-T6 in ultrasonic fatigue. International Journal of Fatigue, 2015, 81, 171-178.	5.7	33
41	Assessment of notch fatigue and size effect using stress field intensity approach. International Journal of Fatigue, 2021, 149, 106279.	5.7	33
42	Tensile properties, strain rate sensitivity and failure mechanism of single crystal superalloys CMSX-4. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2020, 782, 139105.	5.6	32
43	Fatigue damage evaluation of low-alloy steel welded joints in fusion zone and heat affected zone based on frequency response changes in gigacycle fatigue. International Journal of Fatigue, 2014, 61, 297-303.	5.7	31
44	Investigating Various Factors Affecting the Long-Term Compressive Strength of Heat-Cured Fly Ash Geopolymer Concrete and the Use of Orthogonal Experimental Design Method. International Journal of Concrete Structures and Materials, 2019, 13, .	3.2	31
45	Novel Isotropic Anti-Tri-Missing Rib Auxetics with Prescribed In-Plane Mechanical Properties Over Large Deformations. International Journal of Applied Mechanics, 2021, 13, .	2.2	31
46	Effects of mechanical heterogeneity on the tensile and fatigue behaviours in a laser-arc hybrid welded aluminium alloy joint. Materials & Design, 2015, 65, 289-296.	5.1	30
47	Stress-strain calculation and fatigue life assessment of V-shaped notches of turbine disk alloys. Engineering Failure Analysis, 2019, 106, 104187.	4.0	30
48	Ion Doping Effects on the Lattice Distortion and Interlayer Mismatch of Aurivillius-Type Bismuth Titanate Compounds. Materials, 2018, 11, 821.	2.9	29
49	Enhanced hexa-missing rib auxetics for achieving targeted constant NPR and in-plane isotropy at finite deformation. Smart Materials and Structures, 2020, 29, 045030.	3.5	29
50	Effect of Confining Pressure on Stress Intensity Factors for Cracked Brazilian Disk. International Journal of Applied Mechanics, 2015, 07, 1550051.	2.2	28
51	Stress ratio effect on notched fatigue behavior of a Ti-8Al-1Mo-1V alloy in the very high cycle fatigue regime. International Journal of Fatigue, 2018, 116, 80-89.	5.7	28
52	Strain-rate sensitivity, activation volume and mobile dislocations exhaustion rate in nanocrystalline Cuâ€“11.1at%Al alloy with low stacking fault energy. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2014, 611, 274-279.	5.6	27
53	A general scenario of fishâ€eye crack initiation on the life of highâ€strength steels in the very highâ€cycle fatigue regime. Fatigue and Fracture of Engineering Materials and Structures, 2019, 42, 2183-2194.	3.4	26
54	Fatigue strength evaluation of welded structural details in corrugated steel web girders. International Journal of Steel Structures, 2013, 13, 707-721.	1.3	25

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55	Oxygen octahedron tilting, electrical properties and mechanical behaviors in alkali niobate-based lead-free piezoelectric ceramics. Journal of Materiomics, 2019, 5, 372-384.	5.7	25
56	Thin-film composite forward osmosis membranes with substrate layer composed of polysulfone blended with PEG or polysulfone grafted PEG methyl ether methacrylate. Frontiers of Chemical Science and Engineering, 2016, 10, 562-574.	4.4	23
57	Phase-field modeling of hydro-thermally induced fracture in thermo-poroelastic media. Engineering Fracture Mechanics, 2021, 254, 107887.	4.3	23
58	Strength and toughness of ambient-cured geopolymer concrete containing virgin and recycled fibres in mono and hybrid combinations. Construction and Building Materials, 2021, 304, 124649.	7.2	23
59	Flexural fracture mechanisms and fatigue behaviors of Bi4Ti3O12-based high-temperature piezoceramics sintered at different temperatures. Ceramics International, 2018, 44, 16758-16765.	4.8	22
60	Tensile and fatigue behavior of electron beam welded TC17 titanium alloy joint. International Journal of Fatigue, 2019, 128, 105210.	5.7	22
61	Small crack initiation and early propagation in an as-extruded Mg-10Gd-3Y-0.5Zr alloy in high cycle fatigue regime. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2019, 744, 716-723.	5.6	22
62	Effect of microstructure inhomogeneity and crack initiation environment on the very high cycle fatigue behavior of a magnesium alloy. International Journal of Fatigue, 2020, 131, 105376.	5.7	22
63	A comparative study of low cycle fatigue behavior and microstructure of Cr-based steel at room and high temperatures. Materials and Design, 2020, 195, 109000.	7.0	22
64	Low cycle fatigue properties, damage mechanism, life prediction and microstructure of MarBN steel: Influence of temperature. International Journal of Fatigue, 2021, 144, 106070.	5.7	22
65	Core structures and mobility of âŸ¨câŸ© dislocations in magnesium. Scripta Materialia, 2017, 135, 37-40.	5.2	21
66	On the densification mechanism of nano grained Yttrium aluminum garnet transparent ceramic during high pressure sintering process. Scripta Materialia, 2018, 142, 126-128.	5.2	21
67	Simulation-based design and optimization and fatigue characteristics for high-speed backplane connector. Advances in Mechanical Engineering, 2019, 11, 168781401985675.	1.6	21
68	Comparative study of very high cycle tensile and torsional fatigue in TC17 titanium alloy. International Journal of Fatigue, 2020, 139, 105720.	5.7	21
69	Dependence on temperature of compression behavior and deformation mechanisms of nickel-based single crystal CMSX-4. Journal of Alloys and Compounds, 2021, 866, 158878.	5.5	21
70	Nitrogen/oxygen codoped hierarchical porous Carbons/Selenium cathode with excellent lithium and sodium storage behavior. Journal of Colloid and Interface Science, 2022, 608, 265-274.	9.4	20
71	Life Cycle Assessment and Impact Correlation Analysis of Fly Ash Geopolymer Concrete. Materials, 2021, 14, 7375.	2.9	20
72	Fracture Behaviors and Ferroelastic Deformation in W/Cr Coâ€Ðoped Bi₄Ti₃O₁₂ Ceramics. Journal of the American Ceramic Society, 2016, 99, 2103-2109.	3.8	19

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73	Microstructural evolutions, elastic properties and mechanical behaviors of W/Cr Co-doped Bi 4 Ti 3 O 12 ceramics. Materials and Design, 2016, 90, 628-634.	7.0	19
74	Deterioration and Microstructural Evolution of the Fly Ash Geopolymer Concrete against MgSO₄Solution. Advances in Materials Science and Engineering, 2017, 2017, 1-11.	1.8	19
75	Influence of Welded Pores on Very Long-Life Fatigue Failure of the Electron Beam Welding Joint of TC17 Titanium Alloy. Materials, 2019, 12, 1825.	2.9	18
76	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. International Journal of Fatigue, 2020, 136, 105617.	5.7	18
77	Effect of ultrasonic peening treatment on the fatigue behaviors of a magnesium alloy up to very high cycle regime. Journal of Magnesium and Alloys, 2022, 10, 614-626.	11.9	18
78	Effect of precipitate orientation on the twinning deformation in magnesium alloys. Computational Materials Science, 2018, 155, 378-382.	3.0	17
79	Indentation Behavior and Mechanical Properties of Tungsten/Chromium co-Doped Bismuth Titanate Ceramics Sintered at Different Temperatures. Materials, 2018, 11, 503.	2.9	17
80	Very long life fatigue failure mechanism of electron beam welded joint for titanium alloy at elevated temperature. International Journal of Fatigue, 2021, 152, 106446.	5.7	17
81	Determination of the elastic and plastic deformation behaviors of Yb:Y3Al5O12 transparent ceramic by nanoindentation. Journal of Alloys and Compounds, 2016, 682, 35-41.	5.5	16
82	Localized dislocation interactions within slip bands and crack initiation in Mg-10Gd-3Y-0.3Zr alloy. International Journal of Fatigue, 2021, 150, 106302.	5.7	16
83	Fatigue life prediction of notched components under size effect using stress gradient-based approach. International Journal of Fracture, 2022, 234, 249-261.	2.2	16
84	Grain boundary sliding mechanism in plastic deformation of nano-grained YAG transparent ceramics: Generalized self-consistent model and nanoindentation experimental validation. Journal of the European Ceramic Society, 2017, 37, 2705-2715.	5.7	15
85	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. Materials Research Bulletin, 2017, 94, 174-182.	5.2	15
86	Stress Ratio and Notch Effects on the Very High Cycle Fatigue Properties of a Near-Alpha Titanium Alloy. Materials, 2018, 11, 1778.	2.9	15
87	The Effect of Ordinary Portland Cement Substitution on the Thermal Stability of Geopolymer Concrete. Materials, 2019, 12, 2501.	2.9	15
88	Diffused phase transition, ionic conduction mechanisms and electric-field dependent ferroelectricity of Nb/Ce co-doped Pb(Zr0.52Ti0.48)O3 ceramics. Journal of Alloys and Compounds, 2021, 854, 155500.	5.5	15
89	Vacuum retarding and air accelerating effect on the high-cycle and very-high-cycle fatigue behavior of a ZK60 magnesium alloy. Materials and Design, 2021, 198, 109310.	7.0	15
90	Bismuth titanate based piezoceramics: Structural evolutions and electrical behaviors at different sintering temperatures. Journal of Alloys and Compounds, 2021, 882, 160637.	5.5	15

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91	Creep-fatigue voids and sub-grain boundaries assisted crack initiation for titanium alloy in VHCF regime with high mean stress at 400Â°C. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2022, 844, 143171.	5.6	15
92	Crack initiation mechanism of titanium alloy in very high cycle fatigue regime at 400â„ƒ considering stress ratio effect. International Journal of Fatigue, 2022, 163, 107012.	5.7	15
93	Very-high-cycle fatigue crack initiation and propagation behaviours of magnesium alloy ZK60. Materials Science and Technology, 2018, 34, 639-647.	1.6	14
94	Ni_xCu_{1â^'x}/CuO/Ni(OH)₂ as highly active and stable electrocatalysts for oxygen evolution reaction. New Journal of Chemistry, 2021, 45, 18482-18490.	2.8	14
95	Practical Prediction Models of Tensile Strength and Reinforcement-Concrete Bond Strength of Low-Calcium Fly Ash Geopolymer Concrete. Polymers, 2021, 13, 875.	4.5	14
96	Heterogeneous microstructure and associated mechanical properties of thick electron beam welded Ti-5Al-2Sn-2Zr-4Mo-4Cr alloy joint. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2021, 825, 141850.	5.6	14
97	Effect of high temperature on crack initiation of super austenitic stainless steel 654SMO in very high cycle fatigue. Materials and Design, 2020, 193, 108750.	7.0	14
98	Effect of temperature on tensile behavior, fracture morphology and deformation mechanisms of Nickel-based single crystal CMSX-4. Journal of Alloys and Compounds, 2022, 912, 165175.	5.5	14
99	A computational simulation of the effect of hybrid treatment for thoracoabdominal aortic aneurysm on the hemodynamics of abdominal aorta. Scientific Reports, 2016, 6, 23801.	3.3	13
100	Size effect on hardness for micro-sized and nano-sized YAG transparent ceramics. Ceramics International, 2018, 44, 12472-12476.	4.8	13
101	Ferroelastic properties and compressive stress-strain response of bismuth titanate based ferroelectrics. Ceramics International, 2020, 46, 1183-1188.	4.8	13
102	A systematic analysis of the radial resonance frequency spectra of the PZT-based (Zr/Ti = 52/48) piezoceramic thin disks. Journal of Advanced Ceramics, 2020, 9, 380-392.	17.4	13
103	Effects of local microstructure on crack initiation in super martensitic stainless steel under very-high-cycle fatigue. International Journal of Fatigue, 2022, 163, 107019.	5.7	13
104	Effects of the Electron Beam Welding Process on the Microstructure, Tensile, Fatigue and Fracture Properties of Nickel Alloy Nimonic 80A. Journal of Materials Engineering and Performance, 2018, 27, 89-98.	2.5	12
105	Hybrid Amorphous/Crystalline FeNi (Oxy) Hydroxide Nanosheets for Enhanced Oxygen Evolution. ChemCatChem, 2019, 11, 3004-3009.	3.7	12
106	Electron Beam Welding of Nimonic 80A Superalloy: Microstructure Evolution and EBSD Study After Aging Heat Treatment. Journal of Materials Engineering and Performance, 2019, 28, 741-752.	2.5	12
107	External wind on the optimum designing parameters of a wall solar chimney in building. Sustainable Energy Technologies and Assessments, 2020, 42, 100842.	2.7	12
108	Production of a novel slow-release coal fly ash microbial fertilizer for restoration of mine vegetation. Waste Management, 2021, 124, 185-194.	7.4	12

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109	A DFT study of Ti3C2O2 MXenes quantum dots supported on single layer graphene: Electronic structure an hydrogen evolution performance. Frontiers of Physics, 2021, 16, 1.	5.0	12
110	Current understanding of ultra-high cycle fatigue. Theoretical and Applied Mechanics Letters, 2012, 2, 031002.	2.8	11
111	SiS nanosheets as a promising anode material for Li-ion batteries: a computational study. Physical Chemistry Chemical Physics, 2017, 19, 8563-8567.	2.8	11
112	Experimental Study on Fatigue Behaviour of Shot-Peened Open-Hole Steel Plates. Materials, 2017, 10, 996.	2.9	11
113	Effect of sulphate attack on the flexural fatigue behaviour of fly ashâ€“based geopolymer concrete. Journal of Strain Analysis for Engineering Design, 2018, 53, 711-718.	1.8	11
114	Indentation on a half-infinite one-dimensional hexagonal quasi-crystal space by a rigid flat-ended cylindrical indenter with uniform heat flux or temperature. Mechanics of Materials, 2019, 131, 33-46.	3.2	11
115	Development of a photomicroscope method for in situ damage monitoring under ultrasonic fatigue test. International Journal of Structural Integrity, 2022, 13, 237-250.	3.3	11
116	Influence of Cr2O3 additive and sintering temperature on the structural characteristics and piezoelectric properties of Bi4Ti2.95W0.05O12.05 Aurivillius ceramics. Progress in Natural Science: Materials International, 2016, 26, 572-578.	4.4	10
117	Failure mode, ferroelastic behavior and toughening effect of bismuth titanate ferroelectric ceramics under uniaxial compression load. Materials and Design, 2018, 152, 54-64.	7.0	10
118	Poling effect and sintering temperature dependence on fracture strength and fatigue properties of bismuth titanate based piezoceramics. Ceramics International, 2018, 44, 20432-20440.	4.8	10
119	A closed-form solution for the 3D steady-state thermoporoelastic field in an infinite transversely isotropic rock weakened by an elliptical crack. International Journal of Rock Mechanics and Minings Sciences, 2020, 129, 104292.	5.8	10
120	FeCoNi Ternary Spinel Oxides Nanosheets as High Performance Water Oxidation Electrocatalyst. ChemCatChem, 2020, 12, 2209-2214.	3.7	10
121	Mechanical behaviors of electron beam welded titanium alloy up to very high cycle fatigue under different process conditions. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2021, 802, 140685.	5.6	10
122	Deformation nanotwins in a single-crystal Ni-based superalloy at room temperature and low strain rate. Materials Characterization, 2022, 187, 111865.	4.4	10
123	Numerical simulation on the effects of drug-eluting stents with different bending angles on hemodynamics and drug distribution. Medical and Biological Engineering and Computing, 2016, 54, 1859-1870.	2.8	9
124	A sustainable approach for bioconversion of food and lignocellulosic wastes into liquid biofuel using a new <scp> Metschnikowia pulcherrima </scp> isolate. International Journal of Energy Research, 2021, 45, 3430-3441.	4.5	9
125	CFRP sheets for flexural strengthening of RC beams. , 2011, , .		8
126	Ultrasonic fatigue damage behavior of 304L austenitic stainless steel based on micro-plasticity and heat dissipation. Journal of Iron and Steel Research International, 2015, 22, 638-644.	2.8	8

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127	Evaluation of Fatigue Strength Improvement by CFRP Laminates and Shot Peening onto the Tension Flanges Joining Corrugated SteelWebs. Materials, 2015, 8, 5348-5362.	2.9	8
128	Influence of sintering temperatures on microstructures and electrical properties of Bi4Ti2.95W0.05O12.05+0.2wt%Cr2O3 ceramics. Materials Research Bulletin, 2015, 70, 272-278.	5.2	8
129	Numerical Simulation of the Electron Beam Welding and Post Welding Heat Treatment Coupling Process. High Temperature Materials and Processes, 2018, 37, 793-800.	1.4	8
130	Ferroelastic domain switching and Râ€curve behavior in lead zirconate titanate (Zr/TiÂ=Â52/48)â€based ferroelectric ceramics. Journal of the American Ceramic Society, 2020, 103, 1067-1078.	3.8	8
131	Effects of metallic microstructures on fatigue fracture of Q345 steel. Journal of Iron and Steel Research International, 2020, 27, 702-709.	2.8	8
132	Influence of the volume content of Î± + Î² colonies on the very high cycle fatigue behavior of a titanium alloy. Fatigue and Fracture of Engineering Materials and Structures, 2021, 44, 2643-2658.	3.4	8
133	Low cycle fatigue behaviour and life prediction of Q345B steel and its welded joint. Materials Research Innovations, 2015, 19, S5-1299-S5-1303.	2.3	7
134	Determination of the compressive yield strength for nano-grained YAG transparent ceramic by XRD analysis. Journal of Alloys and Compounds, 2016, 671, 527-531.	5.5	7
135	Indentation on a one-dimensional hexagonal quasi-crystal half-space by an elliptic indenter. Meccanica, 2019, 54, 1225-1243.	2.0	7
136	Microscopic and macroscopic analyses of the interaction mechanism between defect growth and dislocation emission in singleâ€crystal aluminum. Fatigue and Fracture of Engineering Materials and Structures, 2021, 44, 3008-3022.	3.4	7
137	Effect of temperature on the performance of laterally constrained dielectric elastomer actuators with failure modes. Journal of Applied Polymer Science, 2020, 137, 49037.	2.6	7
138	Fatigue Property of Open-Hole Steel Plates Influenced by Bolted Clamp-up and Hole Fabrication Methods. Materials, 2016, 9, 698.	2.9	6
139	In-plane shear compression behaviour of steel-glass composite beams with laminated glass webs. Engineering Structures, 2017, 150, 892-904.	5.3	6
140	Effect of Shot Blasting on Fatigue Strength of Q345B Steel Plate with a Central Hole. Metals, 2017, 7, 517.	2.3	6
141	Shear behaviour of structural silicone adhesively bonded steel-glass orthogonal lap joints. Journal of Adhesion Science and Technology, 2018, 32, 2693-2708.	2.6	6
142	Fatigue resistance of post-buckled slender trapezoidal corrugated webs in girders with stiff flanges. Engineering Structures, 2019, 198, 109478.	5.3	6
143	Effect of Curing Condition on Compressive Strength of Fly Ash Geopolymer Concrete. ACI Materials Journal, 2018, 115, .	0.2	6
144	Fracture Mechanism in Fatigue of Nickel-Based Superalloy Inconel 718 at Elevated Temperatures. Journal of Solid Mechanics and Materials Engineering, 2007, 1, 734-743.	0.5	5

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145	Enhanced Visible Light Adsorption of Heavily Nitrogen Doped CeO2 Thin Film via Ion Beam Assisted Deposition. Rare Metal Materials and Engineering, 2016, 45, 1988-1991.	0.8	5
146	Stress-strain relationship of translucent nanocrystalline Gadolinium Zirconate ceramic with grain size below 10Ânm using nanoindentation. Ceramics International, 2020, 46, 8490-8494.	4.8	5
147	Bending Fatigue Behavior of 316L Stainless Steel up to Very High Cycle Fatigue Regime. Materials, 2020, 13, 4820.	2.9	5
148	Numerical simulation of two-way fluid-structure interaction of wind loading on buildings. Journal of the Chinese Institute of Engineers, Transactions of the Chinese Institute of Engineers,Series A/Chung-kuo Kung Ch'eng Hsuch K'an, 2020, 43, 225-240.	1.1	5
149	Interactions between twin boundary and point defects in magnesium at low temperature. Journal of Materials Research, 2021, 36, 2639-2650.	2.6	5
150	Slip-driven and weld pore assisted fatigue crack nucleation in electron beam welded TC17 titanium alloy joint. International Journal of Fatigue, 2022, 154, 106525.	5.7	5
151	Enhancement of fatigue resistance by direct aging treatment in electron beam welded Tiâ€“5Alâ€“2Snâ€“2Zrâ€“4Moâ€“4Cr alloy joint. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2022, 829, 142168.	5.6	5
152	Effect of long-period stacking ordered structure on very high cycle fatigue properties of Mg-Gd-Y-Zn-Zr alloys. Journal of Magnesium and Alloys, 2023, 11, 2811-2822.	11.9	5
153	Crack Initiation Mechanism and Life Prediction of Ti60 Titanium Alloy Considering Stress Ratios Effect in Very High Cycle Fatigue Regime. Materials, 2022, 15, 2800.	2.9	5
154	NUMERICAL SIMULATION ON THE EFFECTS OF DRUG-ELUTING STENTS WITH DIFFERENT LINKS ON HEMODYNAMICS AND DRUG CONCENTRATION DISTRIBUTION. Journal of Mechanics in Medicine and Biology, 2013, 13, 1350070.	0.7	4
155	High-Cycle Fatigue Properties and Damage Mechanism of Q345B Structural Steel. Strength of Materials, 2017, 49, 67-74.	0.5	4
156	Very High Cycle Fatigue Crack Initiation Mechanism in Nugget Zone of AA 7075 Friction Stir Welded Joint. Advances in Materials Science and Engineering, 2017, 2017, 1-10.	1.8	4
157	Effects of Stress Ratio and Microstructure on Fatigue Failure Behavior of Polycrystalline Nickel Superalloy. Journal of Materials Engineering and Performance, 2018, 27, 2534-2544.	2.5	4
158	Experimental Study on Drop-Weight Impact Response of Basalt Fiber Aluminum Laminates (BFMLs). Advances in Materials Science and Engineering, 2018, 2018, 1-13.	1.8	4
159	Fretting behaviors of a steel up to very high cycle fatigue. Wear, 2019, 438-439, 203078.	3.1	4
160	Optimization of Concrete Mixture Design Using Adaptive Surrogate Model. Sustainability, 2019, 11, 1991.	3.2	4
161	Fatigue Crack Propagation of Nickel-Based Superalloy: Experiments and Simulations with Extended Finite Element Method. Journal of Materials Engineering and Performance, 2019, 28, 967-972.	2.5	4
162	The Effect of Stress Ratios on the Very High Cycle Fatigue Behavior of 9%Cr Turbine Steel at 630 Â°C. Materials, 2020, 13, 3444.	2.9	4

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