Zengliang Gao

List of Publications by Year
in descending order

148 papers	2,208 citations	257101 24 h-index	301761 39 g-index
149 all docs	149 docs citations	149 times ranked	1460 citing authors

#	Article	IF	Citations
1	Ensemble deep kernel learning with application to quality prediction in industrial polymerization processes. Chemometrics and Intelligent Laboratory Systems, 2018, 174, 15-21.	1.8	163
2	Avoidable thermodynamic inefficiencies and costs in an externally fired combined cycle power plant. Energy, 2006, 31, 1472-1489.	4.5	155
3	Just-in-time semi-supervised soft sensor for quality prediction in industrial rubber mixers. Chemometrics and Intelligent Laboratory Systems, 2018, 180, 36-41.	1.8	97
4	Just-in-Time Kernel Learning with Adaptive Parameter Selection for Soft Sensor Modeling of Batch Processes. Industrial & Engineering Chemistry Research, 2012, 51, 4313-4327.	1.8	96
5	Comparative study on two low-grade heat driven absorption-compression refrigeration cycles based on energy, exergy, economic and environmental (4E) analyses. Energy Conversion and Management, 2017, 133, 535-547.	4.4	90
6	Analytical solution of flow coefficients for a uniformly distributed porous channel. Chemical Engineering Journal, 2001, 84, 1-6.	6.6	66
7	Assessment of sewage sludge gasification in supercritical water for H2-rich syngas production. Chemical Engineering Research and Design, 2019, 131, 63-72.	2.7	63
8	Multiaxial Fatigue of 16MnR Steel. Journal of Pressure Vessel Technology, Transactions of the ASME, 2009, 131, .	0.4	42
9	An experimental investigation and prediction of fatigue crack growth under overload/underload in Q345R steel. International Journal of Fatigue, 2017, 98, 155-166.	2.8	41
10	Treatment of gaseous alpha-pinene by a combined system containing photo oxidation and aerobic biotrickling filtration. Journal of Hazardous Materials, 2011, 192, 1650-1658.	6.5	35
11	Development of soft-sensors for online quality prediction of sequential-reactor-multi-grade industrial processes. Chemical Engineering Science, 2013, 102, 602-612.	1.9	35
12	Batch Process Monitoring with Tensor Globalâ€"Local Structure Analysis. Industrial & Engineering Chemistry Research, 2013, 52, 18031-18042.	1.8	34
13	Nanoindentation investigation on the creep behavior of P92 steel weld joint after creep-fatigue loading. International Journal of Fatigue, 2020, 134, 105506.	2.8	33
14	Numerical modeling of the confined laser shock peening of the OFHC copper. International Journal of Mechanical Sciences, 2016, 108-109, 104-114.	3.6	32
15	Creep deformation and damage behavior of reactor pressure vessel under core meltdown scenario. International Journal of Pressure Vessels and Piping, 2016, 139-140, 107-116.	1.2	31
16	An investigation of fatigue of a notched member. International Journal of Fatigue, 2010, 32, 1960-1969.	2.8	27
17	Industrial Mooney viscosity prediction using fast semi-supervised empirical model. Chemometrics and Intelligent Laboratory Systems, 2017, 171, 86-92.	1.8	27
18	Loading history effect on fatigue crack growth of extruded AZ31B magnesium alloy. Engineering Fracture Mechanics, 2013, 114, 42-54.	2.0	26

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19	Realâ€time property prediction for an industrial rubberâ€mixing process with probabilistic ensemble <scp>G</scp>aussian process regression models. Journal of Applied Polymer Science, 2015, 132, .	1.3	26
20	Fuzzy Phase Partition and Hybrid Modeling Based Quality Prediction and Process Monitoring Methods for Multiphase Batch Processes. Industrial & Engineering Chemistry Research, 2016, 55, 4045-4058.	1.8	26
21	Non-destructive defect evaluation of polymer composites via thermographic data analysis: A manifold learning method. Infrared Physics and Technology, 2019, 97, 300-308.	1.3	26
22	Investigation of Mixing Behavior of Hydrogen Blended to Natural Gas in Gas Network. Sustainability, 2021, 13, 4255.	1.6	26
23	The effects of tensile and compressive dwells on creep-fatigue behavior and fracture mechanism in welded joint of P92 steel. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2021, 813, 141129.	2.6	26
24	Hydrogen-rich syngas production by catalytic cracking of tar in wastewater under supercritical condition. International Journal of Hydrogen Energy, 2019, 44, 19908-19919.	3.8	25
25	Refrigerant evaluation and performance comparison for a novel hybrid solar-assisted ejection-compression refrigeration cycle. Solar Energy, 2018, 160, 344-352.	2.9	24
26	Batch Process Monitoring with GTucker2 Model. Industrial & Engineering Chemistry Research, 2014, 53, 15101-15110.	1.8	23
27	A novel unified correlation model using ensemble support vector regression for prediction of flooding velocity in randomly packed towers. Journal of Industrial and Engineering Chemistry, 2014, 20, 1109-1118.	2.9	23
28	Study on structural failure of RPV with geometric discontinuity under severe accident. Nuclear Engineering and Design, 2016, 307, 354-363.	0.8	22
29	A novel joining of Cf/C composites using AlCoCrFeNi2.1 high-entropy brazing filler alloys. Materials Characterization, 2021, 179, 111368.	1.9	21
30	Fast property prediction in an industrial rubber mixing process with local ELM model. Journal of Applied Polymer Science, 2017, 134, 45391.	1.3	20
31	An Experimental Study of the Crack Growth Behavior of 16MnR Pressure Vessel Steel. Journal of Pressure Vessel Technology, Transactions of the ASME, 2009, 131, .	0.4	19
32	Tensor Global-Local Preserving Projections for Batch Process Monitoring. Industrial & Engineering Chemistry Research, 2014, 53, 10166-10176.	1.8	19
33	Brazing graphite to hastelloy N superalloy using pure-Au filler metal: Bonding mechanism and joint properties. Materials and Design, 2016, 104, 1-9.	3.3	19
34	An analysis of high-temperature microstructural stability and mechanical performance of the Hastelloy N-Hastelloy N Superalloy joint bonded with pure Ti. Materials and Design, 2018, 144, 72-85.	3.3	19
35	An investigation of phase transition on the microstructural characteristic and creep behavior for the SA508 Gr.3 steel used for nuclear reactor pressure vessels. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2018, 711, 659-669.	2.6	19
36	Fatigue crack initiation and growth of 16MnR steel with stress ratio effects. International Journal of Fatigue, 2012, 35, 10-15.	2.8	18

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37	Microstructural evolution and mechanical characterization for the A508–3 steel before and after phase transition. Journal of Nuclear Materials, 2017, 495, 103-110.	1.3	18
38	Nanoindentation creep behavior of RPV's weld joint at room temperature. Mechanics of Time-Dependent Materials, 2020, 24, 253-263.	2.3	17
39	Experimental investigation and numerical prediction of fatigue crack growth of 2024-T4 aluminum alloy. International Journal of Fatigue, 2015, 78, 11-21.	2.8	16
40	Soft Sensing of Silicon Content via Bagging Local Semi-Supervised Models. Sensors, 2019, 19, 3814.	2.1	16
41	Influence of phase transformation on the creep deformation mechanism of SA508 Gr.3 steel for nuclear reactor pressure vessels. Journal of Nuclear Materials, 2019, 519, 292-301.	1.3	16
42	Industrial melt index prediction with the ensemble anti–outlier just–in–time Gaussian process regression modeling method. Journal of Applied Polymer Science, 2015, 132, .	1.3	15
43	Proposal and thermodynamic analysis of an ejection–compression refrigeration cycle driven by low-grade heat. Energy Conversion and Management, 2017, 145, 343-352.	4.4	15
44	Characterization of the Ni–Mo–Cr superalloy subjected to simulated heat-affected zone thermal cycle treatment. Journal of Alloys and Compounds, 2015, 643, 7-16.	2.8	14
45	Microstructure evolution in a Ni–Mo–Cr superalloy subjected to simulated heat-affected zone thermal cycle with high peak temperature. Materials and Design, 2015, 86, 230-236.	3.3	14
46	High temperature strength and multiaxial fatigue life assessment of a tubesheet structure. Engineering Failure Analysis, 2016, 68, 10-21.	1.8	14
47	Just-in-Time Correntropy Soft Sensor with Noisy Data for Industrial Silicon Content Prediction. Sensors, 2017, 17, 1830.	2.1	14
48	Hydrogen diffusion mechanism of the single-pass welded joint in welding considering the phase transformation effects. Journal of Manufacturing Processes, 2018, 36, 126-137.	2.8	14
49	Limit load solutions of thick-walled cylinders with fully circumferential cracks under combined internal pressure and axial tension. Nuclear Engineering and Design, 2008, 238, 2155-2164.	0.8	13
50	Global limit load solutions for thick-walled cylinders with circumferential cracks under combined internal pressure, axial force and bending moment – Part I: Theoretical solutions. International Journal of Pressure Vessels and Piping, 2014, 114-115, 23-40.	1.2	13
51	Quality prediction based on HOPLS-CP for batch processes. Chemometrics and Intelligent Laboratory Systems, 2015, 143, 28-39.	1.8	13
52	Online Flooding Supervision in Packed Towers: An Integrated Data–Driven Statistical Monitoring Method. Chemical Engineering and Technology, 2018, 41, 436-446.	0.9	13
53	A modified correlation between KJIC and Charpy V-notch impact energy of Chinese SA508-III steel at the upper shelf. Journal of Nuclear Materials, 2018, 505, 22-29.	1.3	13
54	Chirality on dendrimers: "roll booster" of the molecule-level self-sorting assembly in two-component supramolecular gel system. Chemical Communications, 2020, 56, 2983-2986.	2.2	13

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55	On the microstructural evolution and room‐temperature creep behaviour of 9%Cr steel weld joint under prior creep–fatigue interaction. Fatigue and Fracture of Engineering Materials and Structures, 2021, 44, 444-460.	1.7	13
56	Adaptive Control of Nonlinear Time-Varying Processes Using Selective Recursive Kernel Learning Method. Industrial & Engineering Chemistry Research, 2011, 50, 2773-2780.	1.8	12
57	Modeling of fatigue crack growth in a pressure vessel steel Q345R. Engineering Fracture Mechanics, 2015, 135, 245-258.	2.0	12
58	An analysis of formation mechanism and nano-scale hardness of the laser-induced coating on Ni–17Mo–7Cr based superalloy. Journal of Alloys and Compounds, 2016, 673, 8-16.	2.8	12
59	Investigation on the RPV structural behaviors caused by various cooling water levels under severe accident. Engineering Failure Analysis, 2017, 79, 274-284.	1.8	12
60	Enhanced just-in-time modelling for online quality prediction in BF ironmaking. Ironmaking and Steelmaking, 2015, 42, 321-330.	1.1	11
61	Ensemble Correntropy‐Based Mooney Viscosity Prediction Model for an Industrial Rubber Mixing Process. Chemical Engineering and Technology, 2016, 39, 1804-1812.	0.9	11
62	Effect of high-temperature aging on microstructure and mechanical properties of Ni–Mo–Cr based superalloy subjected to simulated heat-affected zone thermal cycle. Journal of Alloys and Compounds, 2016, 660, 266-275.	2.8	11
63	Reliability analysis of integral hot deep drawing and cold flow forming process for large-diameter seamless steel gas cylinders. International Journal of Advanced Manufacturing Technology, 2018, 97, 189-197.	1.5	11
64	Deformation mechanism-based true-stress creep model for SA508 Gr.3 steel over the temperature range of 450–750 °C. Journal of Nuclear Materials, 2019, 526, 151776.	1.3	11
65	Tailoring microstructure and mechanical performance of the TC4 titanium alloy brazed joint through doping rare-earth element Dy into Ti-Cu-Ni filler alloy. Journal of Manufacturing Processes, 2020, 50, 255-265.	2.8	11
66	Multi-axial Fatigue of 2024-T4 Aluminum Alloy. Chinese Journal of Mechanical Engineering (English) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50	1.9	11
67	Comparison of two FEA models for calculating stresses in shell-and-tube heat exchanger. International Journal of Pressure Vessels and Piping, 2004, 81, 563-567.	1.2	10
68	Simple Nonlinear Predictive Control Strategy for Chemical Processes Using Sparse Kernel Learning with Polynomial Form. Industrial & Engineering Chemistry Research, 2010, 49, 8209-8218.	1.8	10
69	Novel joining of dissimilar materials in the graphite/Hastelloy N alloy system using pure Au doped with Si particles. Materials Characterization, 2017, 131, 388-398.	1.9	10
70	Influence of crystallographic orientation of epitaxial solidification on the initial instability during the solidification of welding pool. Journal of Manufacturing Processes, 2019, 38, 298-307.	2.8	10
71	Fatigue Life Prediction of Steam Generator Tubes by Tube Specimens with Circular Holes. Metals, 2019, 9, 322.	1.0	10
72	Microstructural modification and mechanical characterization for a laser-induced composite coating during thermal exposure. Surface and Coatings Technology, 2019, 358, 11-21.	2.2	10

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73	Understanding the relation between creep-fatigue fracture mechanisms and intergranular dislocation accommodation of a high chromium steel using nanoindentation characterization. International Journal of Fatigue, 2022, 159, 106796.	2.8	10
74	The effects of prior creep–fatigue on the strain rate sensitivity of a P92 welded joint. Journal of Materials Science, 2021, 56, 7111-7128.	1.7	9
75	Flooding Prognosis in Packed Columns by Assessing the Degree of Steadiness (DOS) of Process Variable Trajectory. Industrial & Engineering Chemistry Research, 2016, 55, 10744-10750.	1.8	8
76	Industrial polyethylene melt index prediction using ensemble manifold learning–based local model. Journal of Applied Polymer Science, 2017, 134, 45094.	1.3	8
77	Microstructure and Mechanical Properties of 34CrMo4 Steel for Gas Cylinders Formed by Hot Drawing and Flow Forming. Materials, 2019, 12, 1351.	1.3	8
78	Evaluation and comparison of fracture toughness for metallic materials in different conditions by ASTM and ISO standards. International Journal of Pressure Vessels and Piping, 2020, 187, 104189.	1.2	8
79	Heat Exchanger Network Integration Using Diverse Pinch Point and Mathematical Programming. Chemical Engineering and Technology, 2011, 34, 985-990.	0.9	7
80	Global limit load solutions for thick-walled cylinders with circumferential cracks under combined internal pressure, axial force and bending moment–Part II: Finite element validation. International Journal of Pressure Vessels and Piping, 2014, 114-115, 41-60.	1.2	7
81	Modeling of I + II mixed mode crack initiation and growth from the notch. Theoretical and Applied Fracture Mechanics, 2016, 84, 129-139.	2.1	7
82	Weibull stress analysis in local approach to fracture. Theoretical and Applied Fracture Mechanics, 2019, 104, 102379.	2.1	7
83	Tailoring microstructure and mechanical performance of Hastelloy N-Hastelloy N superalloy joint through modifying brazing processing parameters and post thermal exposure. Materials Characterization, 2021, 173, 110947.	1.9	7
84	Study of Novel Punched-Bionic Impellers for High Efficiency and Homogeneity in PCM Mixing and Other Solid-Liquid Stirs. Applied Sciences (Switzerland), 2021, 11, 9883.	1.3	7
85	Nanoindentation characterization on the temperature-dependent fracture mechanism of Chinese 316H austenitic stainless steel under creep-fatigue interaction. Materials Characterization, 2022, 186, 111806.	1.9	7
86	Analytical mass transfer solution of longitudinal laminar flow of Happel's free surface model. International Journal of Heat and Mass Transfer, 2011, 54, 4000-4008.	2.5	6
87	Investigation on Structural Behaviors of Reactor Pressure Vessel With the Effects of Critical Heat Flux and Internal Pressure. Journal of Pressure Vessel Technology, Transactions of the ASME, 2017, 139, .	0.4	6
88	The influence of the crust layer on RPV structural failure under severe accident condition. Nuclear Engineering and Design, 2017, 316, 63-74.	0.8	6
89	TEM study of microstructural characteristic and evaluation of mechanical performance for the hastelloy N/Ti/Hastelloy N superalloy joint brazed for diverse soaking time. Journal of Manufacturing Processes, 2018, 35, 271-281.	2.8	6
90	Microscopic damage mechanism of SA508 Gr3 steel in ultra-high temperature creep. Journal of Iron and Steel Research International, 2018, 25, 453-459.	1.4	6

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91	Microstructure, adhesion, mechanical and corrosion properties of TiN coatings deposited by high energy pulse-enhanced vacuum arc evaporation. Journal of Adhesion Science and Technology, 0, , 1-22.	1.4	6
92	Effects of Specimen Size and Welded Joints on the Very High Cycle Fatigue Properties of Compressor Blade Steel KMN-I. Coatings, 2021, 11, 1244.	1.2	6
93	Fatigue Damage Evaluation of Compressor Blade Based on Nonlinear Ultrasonic Nondestructive Testing. Journal of Marine Science and Engineering, 2021, 9, 1358.	1.2	6
94	Comparative Study on Reactor Pressure Vessel Failure Behaviors With Various Geometric Discontinuities Under Severe Accident. Journal of Pressure Vessel Technology, Transactions of the ASME, 2017, 139, .	0.4	5
95	Online Identification of Time-varying Processes Using Just-in-time Recursive Kernel Learning Approach. Zidonghua Xuebao/Acta Automatica Sinica, 2014, 39, 602-609.	0.3	5
96	A laser technology for measurement of solid propellant transient burning rates during rapid depressurization. Fuel, 2001, 80, 263-271.	3.4	4
97	A Global Limit Load Solution for Plates With Embedded Off-Set Elliptical Cracks Under Combined Tension and Bending. Journal of Pressure Vessel Technology, Transactions of the ASME, 2012, 134, .	0.4	4
98	Comparative study on peak stress multipliers for perforated flat plate with various loadings. Mechanics Research Communications, 2015, 66, 20-26.	1.0	4
99	Influence of simulated heat-affected zone thermal cycle treatment on mechanical performances and microstructural stability of Ni–17Mo–7Cr based superalloy. Vacuum, 2016, 125, 26-35.	1.6	4
100	A global limit load solution for plates containing embedded off-set rectangular cracks under combined biaxial force/stress and through-thickness bending. International Journal of Pressure Vessels and Piping, 2017, 149, 93-107.	1.2	4
101	Dynamic Profile Monitoring for Flooding Prognosis in Packed Columns. Chemical Engineering and Technology, 2019, 42, 1232-1239.	0.9	4
102	Characterization of SiC Ceramic Joints Brazed Using Au–Ni–Pd–Ti High-Temperature Filler Alloy. Materials, 2019, 12, 931.	1.3	4
103	Loading path optimization of shaft clinching forming assembly using finite element simulation and response surface methodology. Proceedings of the Institution of Mechanical Engineers, Part C: Journal of Mechanical Engineering Science, 2020, 234, 734-745.	1.1	4
104	Blades optimal design of squirrel cage fan based on Hicks-Henne function. Proceedings of the Institution of Mechanical Engineers, Part C: Journal of Mechanical Engineering Science, 2021, 235, 3844-3858.	1.1	4
105	Effects of the target-to-substrate distance on the microstructure and properties of TiN coatings fabricated by pulse-enhanced vacuum arc evaporation. Journal of Adhesion Science and Technology, 2021, 35, 1125-1137.	1.4	4
106	Probing strain rate effect on the creep–fatigue fracture mechanism of 9%Cr steel–welded joint via nanoindentation characterization. Fatigue and Fracture of Engineering Materials and Structures, 0, , .	1.7	4
107	Study and Comparison of Test Method for Measurement of Fracture Toughness between ASTM and ISO Standards. Jixie Gongcheng Xuebao/Chinese Journal of Mechanical Engineering, 2017, 53, 60.	0.7	4
108	Nanoindentation Characterization of Creep-fatigue Interaction on Local Creep Behavior of P92 Steel Welded Joint. Chinese Journal of Mechanical Engineering (English Edition), 2021, 34, .	1.9	4

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109	Reliability Study on a New Integrity Pressure Relief Device in Nonrefillable Steel Gas Cylinder. Journal of Pressure Vessel Technology, Transactions of the ASME, 2018, 140, .	0.4	3
110	Reference stress solutions for plates with embedded off-set elliptical cracks under combined biaxial forces and cross-thickness bending. International Journal of Pressure Vessels and Piping, 2018, 165, 90-103.	1.2	3
111	A heat transfer tube wear reliability analysis method based on first-order reliability method. Journal of Computational Design and Engineering, 2020, 7, 803-815.	1.5	3
112	Fatigue crack growth in the nozzle corner of a pressure vessel. International Journal of Pressure Vessels and Piping, 1990, 42, 1-13.	1.2	2
113	An inverse heat conduction problem of estimating the multiple heat sources for mould heating system of the injection machine. Inverse Problems in Science and Engineering, 2016, 24, 1587-1605.	1.2	2
114	Tailoring microstructure and mechanical performance of the graphite-Ni based superalloy brazed combination used for molten salt reactors through thermal exposure. Materials Characterization, 2019, 156, 109831.	1.9	2
115	Enhancement of Turbulent Convective Heat Transfer using a Microparticle Multiphase Flow. Energies, 2020, 13, 1282.	1.6	2
116	Weibull stress solutions for 2D cracks under mode II loading. International Journal of Fracture, 2020, 225, 31-45.	1.1	2
117	Study on Crack Growth Behavior of 16MnR Subjected to Single Tensile Overload. Jixie Gongcheng Xuebao/Chinese Journal of Mechanical Engineering, 2013, 49, 84.	0.7	2
118	Structural integrity investigation for RPV with various cooling water levels under pressurized melting pool. Mechanical Sciences, 2018, 9, 147-160.	0.5	2
119	CORRELATION FOR CONVECTIVE HEAT TRANSFER IN TURBULENT PULSATING FLOW AT LARGE REYNOLDS NUMBER INSIDE CIRCULAR PIPE. Journal of Enhanced Heat Transfer, 2012, 19, 149-159.	0.5	2
120	Peripheral groups of polyhedral oligomeric silsesquioxane (POSS) core-based dendrimers: a crucial factor for higher-level supra-architecture building. Nanoscale, 2020, 12, 12146-12153.	2.8	2
121	The Effect of Clamping Force on the Wear Behavior of a Steam Generator Tube. Applied Sciences (Switzerland), 2022, 12, 2163.	1.3	2
122	Analysis and Assessment of Stress in Two Typical Drawing Tube Headers. , 2006, , 321.		1
123	A CRACK GROWTH MODEL BASED ON FATIGUE DAMAGE ACCUMULATION. International Journal of Modern Physics B, 2010, 24, 2774-2779.	1.0	1
124	Prediction of flooding velocity in packed towers using least squares support vector machine. , 2012, , .		1
125	Online flooding prognosis in packed columns by monitoring parameter change in EGARCH model. , 2017, , .		1
126	The Influence of Crust Layer on Reactor Pressure Vessel Failure Under Pressurized Core Meltdown Accident. Journal of Nuclear Engineering and Radiation Science, 2018, 4, .	0.2	1

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127	Microstructure and Mechanical Performance of the DD98M-DD98M Single Crystal Superalloy Joints Brazed Using a Pd-Si Composite Filler. Metals, 2019, 9, 1001.	1.0	1
128	Microstructural Evolution and Mechanical Evaluation of a Laser-Induced Composite Coating on a Ni-Based Superalloy during Thermal Exposure. Materials, 2019, 12, 1439.	1.3	1
129	Structural integrity assessment of plates containing embedded cracks-part I: Finite element fracture analyses. International Journal of Pressure Vessels and Piping, 2021, 194, 104486.	1.2	1
130	Study on Ultimate Load Capacity of Reactor Pressure Vessel under Critical Heat Flux. Jixie Gongcheng Xuebao/Chinese Journal of Mechanical Engineering, 2017, 53, 45.	0.7	1
131	Numerical Simulation and Experimental Research on Coupling Temperature Field of the Reaction Forming Mould. Jixie Gongcheng Xuebao/Chinese Journal of Mechanical Engineering, 2014, 50, 73.	0.7	1
132	Theory and Experimental Research on the Multiple Source Heat Conduction Inversion of the Polymer Curing Reaction Mould Heating System. Jixie Gongcheng Xuebao/Chinese Journal of Mechanical Engineering, 2016, 52, 174.	0.7	1
133	Study of the Wind-induced Tower Vibrations Affect on Aerodynamic Characteristics. Jixie Gongcheng Xuebao/Chinese Journal of Mechanical Engineering, 2018, 54, 106.	0.7	1
134	Quality Category Approach of Fatigue Assessment for Welded Structures with Surface Cracks. Jixie Gongcheng Xuebao/Chinese Journal of Mechanical Engineering, 2018, 54, 82.	0.7	1
135	Numerical simulation for punched impeller in solid-liquid stirred tank based on EE-KTGF model. Proceedings of the Institution of Mechanical Engineers, Part C: Journal of Mechanical Engineering Science, 0, , 095440622210751.	1.1	1
136	Prediction of Fracture Toughness Scatter Based on Weibull Stress Using Crystal Plasticity Finite Element Method. Metals, 2022, 12, 872.	1.0	1
137	Soft sensor modeling of AlCl$_3$·6H2O content based on Powell-BP. , 2010, , .		0
138	Design and implementation of predictive control algorithm for embedded system. , 2010, , .		0
139	Study on the fracture reason and fatigue life for guide pillar of injection machine. International Journal of Fatigue, 2012, 35, 37-44.	2.8	0
140	Aging Time-Microstructure-Mechanical Property Correlation of a Ni-17Mo-7Cr-Based Superalloy Subjected to Simulated Heat-Affected Zone Thermal Treatment. Journal of Materials Engineering and Performance, 2017, 26, 4556-4566.	1.2	0
141	Influence of Acetylene on Ti Target Poisoning During Pulse-Enhanced Vacuum Arc Evaporation. IEEE Transactions on Plasma Science, 2020, 48, 2799-2809.	0.6	0
142	Optimizing the Calibration Error of Refraction Angles in Ultrasonic Angle Beam Testing. Sensors, 2020, 20, 1427.	2.1	0
143	Structural integrity assessment of plates containing embedded cracks - Part II: Developing guidance on using the limit load solutions. International Journal of Pressure Vessels and Piping, 2021, 194, 104487.	1.2	0
144	Research on Initial Geometric Deviation Description for Numerical Simulation of Cylindrical Shells under External Pressure. Jixie Gongcheng Xuebao/Chinese Journal of Mechanical Engineering, 2015, 51, 66.	0.7	0

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145	Failure Probability Analysis of a Reactor Pressure Vessel Using a Deterministic Flaw Acceptance Criterion. Jixie Gongcheng Xuebao/Chinese Journal of Mechanical Engineering, 2015, 51, 27.	0.7	0
146	Progress and Case Study on Probabilistic Assessment of Reactor Pressure Vessels under Pressurized Thermal Shock. Jixie Gongcheng Xuebao/Chinese Journal of Mechanical Engineering, 2015, 51, 67.	0.7	0
147	Study on Influence Factors of Crack Growth Behavior of Q345R Steel Subjected to a Single Tensile Overload. Jixie Gongcheng Xuebao/Chinese Journal of Mechanical Engineering, 2015, 51, 42.	0.7	0
148	Research on Residual Life Estimation Method for KMN Steel Based on Nonlinear Ultrasonic Testing. Applied Sciences (Switzerland), 2021, 11, 11385.	1.3	0