

Yao Yao

List of Publications by Year in descending order

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176
papers

3,635
citations

159585

30
h-index

175258

52
g-index

178
all docs

178
docs citations

178
times ranked

2192
citing authors

#	ARTICLE	IF	CITATIONS
1	Structural heterogeneities and mechanical behavior of amorphous alloys. <i>Progress in Materials Science</i> , 2019, 104, 250-329.	32.8	428
2	Crack detection and characterization techniques-An overview. <i>Structural Control and Health Monitoring</i> , 2014, 21, 1387-1413.	4.0	168
3	Understanding of micro-alloying on plasticity in Cu ₄₆ Zr ₄₇ xAl ₇ Dy _x (0 ≤ x ≤ 8) bulk metallic glasses under compression: Based on mechanical relaxations and theoretical analysis. <i>International Journal of Plasticity</i> , 2016, 82, 62-75.	8.8	153
4	A new perspective on nature of fire-induced spalling in concrete. <i>Construction and Building Materials</i> , 2018, 184, 581-590.	7.2	137
5	Linear Elastic and Cohesive Fracture Analysis to Model Hydraulic Fracture in Brittle and Ductile Rocks. <i>Rock Mechanics and Rock Engineering</i> , 2012, 45, 375-387.	5.4	129
6	Detection of Steel Fatigue Cracks with Strain Sensing Sheets Based on Large Area Electronics. <i>Sensors</i> , 2015, 15, 8088-8108.	3.8	95
7	Characteristics of stress relaxation kinetics of La ₆₀ Ni ₁₅ Al ₂₅ bulk metallic glass. <i>Acta Materialia</i> , 2015, 98, 43-50.	7.9	89
8	Atomically Dispersed Cu Catalyst for Efficient Chemoselective Hydrogenation Reaction. <i>Nano Letters</i> , 2021, 21, 10284-10291.	9.1	85
9	A continuum damage mechanics-based unified creep and plasticity model for solder materials. <i>Acta Materialia</i> , 2015, 83, 160-168.	7.9	80
10	Transition from stress-driven to thermally activated stress relaxation in metallic glasses. <i>Physical Review B</i> , 2016, 94, .	3.2	65
11	Pore pressure cohesive zone modeling of hydraulic fracture in quasi-brittle rocks. <i>Mechanics of Materials</i> , 2015, 83, 17-29.	3.2	62
12	An improved unified creep-plasticity model for SnAgCu solder under a wide range of strain rates. <i>Journal of Materials Science</i> , 2017, 52, 6120-6137.	3.7	47
13	Sensing sheet: the sensitivity of thin-film full-bridge strain sensors for crack detection and characterization. <i>Measurement Science and Technology</i> , 2014, 25, 075602.	2.6	46
14	Mechanical properties of Ti _{16.7} Zr _{16.7} Hf _{16.7} Cu _{16.7} Ni _{16.7} Be _{16.7} high-entropy bulk metallic glass. <i>Journal of Non-Crystalline Solids</i> , 2016, 452, 57-61.	3.1	46
15	Modeling the failure of intermetallic/solder interfaces. <i>Intermetallics</i> , 2010, 18, 1603-1611.	3.9	44
16	Strain rate sensitivity of sintered silver nanoparticles using rate-jump indentation. <i>International Journal of Mechanical Sciences</i> , 2018, 140, 60-67.	6.7	43
17	Mechanical behaviour of sintered silver nanoparticles reinforced by SiC microparticles. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2019, 744, 406-414.	5.6	43
18	Fire Resistance of Four-Face Heated Reinforced Concrete Columns. <i>Journal of Structural Engineering</i> , 2003, 129, 1220-1229.	3.4	42

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19	Fire Resistance of Reinforced Concrete Columns Subjected to 1-, 2-, and 3-Face Heating. <i>Journal of Structural Engineering</i> , 2004, 130, 1820-1828.	3.4	41
20	Cohesive fracture mechanics based numerical analysis to BGA packaging and lead free solders under drop impact. <i>Microelectronics Reliability</i> , 2013, 53, 629-637.	1.7	41
21	Cooling behavior and residual strength of post-fire concrete filled steel tubular columns. <i>Journal of Constructional Steel Research</i> , 2015, 112, 282-292.	3.9	38
22	An energy based analytical method to predict the influence of natural fractures on hydraulic fracture propagation. <i>Engineering Fracture Mechanics</i> , 2018, 189, 232-245.	4.3	36
23	Evaluation of thermal stability and isochronal crystallization kinetics in the Ti ₄₀ Zr ₂₅ Ni ₈ Cu ₉ Be ₁₈ bulk metallic glass. <i>Journal of Non-Crystalline Solids</i> , 2016, 432, 254-264.	3.1	35
24	Annealing effect on residual stress of Sn-3.0Ag-0.5Cu solder measured by nanoindentation and constitutive experiments. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2017, 696, 90-95.	5.6	35
25	An evaluation method to predict progressive collapse resistance of steel frame structures. <i>Journal of Constructional Steel Research</i> , 2016, 122, 238-250.	3.9	34
26	A Review of Recent Research on the Mechanical Behavior of Lead-Free Solders. <i>Applied Mechanics Reviews</i> , 2017, 69, .	10.1	33
27	Abnormal internal friction in the in-situ Ti ₆₀ Zr ₁₅ V ₁₀ Cu ₅ Be ₁₀ metallic glass matrix composite. <i>Journal of Alloys and Compounds</i> , 2017, 724, 921-931.	5.5	33
28	Non-isothermal crystallization transformation kinetics analysis and isothermal crystallization kinetics in super-cooled liquid region (SLR) of (Ce _{0.72} Cu _{0.28}) ₉₀ Al ₁₀ Fe _x (x=0, 5 or 10) bulk metallic glasses. <i>Journal of Non-Crystalline Solids</i> , 2015, 415, 42-50.	3.1	32
29	The constitutive model and threshold stress for characterizing the deformation mechanism of Al _{0.3} CoCrFeNi high entropy alloy. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2018, 730, 137-146.	5.6	31
30	Main $\hat{1}$ relaxation and slow $\hat{2}$ relaxation processes in a La ₃₀ Ce ₃₀ Al ₁₅ Co ₂₅ metallic glass. <i>Journal of Materials Science and Technology</i> , 2019, 35, 982-986.	10.7	31
31	The Wiedemann-Franz-Lorenz relation for lead-free solder and intermetallic materials. <i>Acta Materialia</i> , 2013, 61, 1525-1536.	7.9	29
32	Cooling and Annealing Effect on Indentation Response of Lead-Free Solder. <i>International Journal of Applied Mechanics</i> , 2017, 09, 1750057.	2.2	29
33	An analytical method to predict electromigration-induced finger-shaped void growth in SnAgCu solder interconnect. <i>Scripta Materialia</i> , 2015, 95, 7-10.	5.2	28
34	An Entropy Based Low-Cycle Fatigue Life Prediction Model for Solder Materials. <i>Entropy</i> , 2017, 19, 503.	2.2	28
35	Electromigration effect on pancake type void propagation near the interface of bulk solder and intermetallic compound. <i>Journal of Applied Physics</i> , 2009, 105, .	2.5	27
36	Fire resistance of eccentrically loaded slender concrete-filled steel tubular columns. <i>Thin-Walled Structures</i> , 2016, 106, 102-112.	5.3	26

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37	Theoretical and numerical analysis to concrete filled double skin steel tubular columns under fire conditions. <i>Thin-Walled Structures</i> , 2016, 98, 547-557.	5.3	26
38	Annealing optimization for tin-lead eutectic solder by constitutive experiment and simulation. <i>Journal of Materials Research</i> , 2017, 32, 3089-3099.	2.6	25
39	An Entropy-Based Failure Prediction Model for the Creep and Fatigue of Metallic Materials. <i>Entropy</i> , 2019, 21, 1104.	2.2	25
40	The multi-factor effect of tensile strength of concrete in numerical simulation based on the Monte Carlo random aggregate distribution. <i>Construction and Building Materials</i> , 2018, 165, 585-595.	7.2	24
41	High temperature deformation behaviors of the Zr _{63.36} Cu _{14.52} Ni _{10.12} Al ₁₂ bulk metallic glass. <i>Journal of Materials Science</i> , 2016, 51, 4079-4087.	3.7	23
42	Fire resistance of concrete filled steel tube columns subjected to non-uniform heating. <i>Journal of Constructional Steel Research</i> , 2017, 128, 542-554.	3.9	23
43	Constitutive behaviour and life evaluation of solder joint under the multi-field loadings. <i>AIP Advances</i> , 2018, 8, .	1.3	23
44	Micromechanical modeling of work hardening for coupling microstructure evolution, dynamic recovery and recrystallization: Application to high entropy alloys. <i>International Journal of Mechanical Sciences</i> , 2020, 177, 105567.	6.7	23
45	Mechanical properties and failure mechanism of carbon nanotube concrete at high temperatures. <i>Construction and Building Materials</i> , 2021, 297, 123782.	7.2	23
46	An energy approach to predict fatigue crack propagation in metals and alloys. <i>International Journal of Fracture</i> , 2007, 146, 149-158.	2.2	22
47	An elastoplastic damage constitutive model of concrete considering the effects of dehydration and pore pressure at high temperatures. <i>Materials and Structures/Materiaux Et Constructions</i> , 2020, 53, 1.	3.1	22
48	A phase transformation based method to predict fatigue crack nucleation and propagation in metals and alloys. <i>Acta Materialia</i> , 2017, 127, 244-251.	7.9	21
49	A dislocation density based viscoplastic constitutive model for lead free solder under drop impact. <i>International Journal of Solids and Structures</i> , 2017, 120, 236-244.	2.7	21
50	Mechanical effects of isolated defects within a lead-free solder bump subjected to coupled thermal-electrical loading. <i>Journal of Micromechanics and Molecular Physics</i> , 2016, 01, 1650004.	1.2	19
51	Thermal activation in the Zr ₆₅ Cu ₁₈ Ni ₇ Al ₁₀ metallic glass by creep deformation and stress relaxation. <i>Scripta Materialia</i> , 2016, 113, 180-184.	5.2	19
52	A rate and temperature dependent unified creep-plasticity model for high strength steel and solder alloys. <i>Mechanics of Materials</i> , 2017, 106, 35-43.	3.2	19
53	Annealing effect to constitutive behavior of Sn _{3.0} Ag _{0.5} Cu solder. <i>Journal of Materials Science: Materials in Electronics</i> , 2018, 29, 7177-7187.	2.2	19
54	Critical Review of Size Effects on Microstructure and Mechanical Properties of Solder Joints for Electronic Packaging. <i>Applied Sciences (Switzerland)</i> , 2019, 9, 227.	2.5	19

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55	Creep in bulk metallic glasses. Transition from linear to non linear regime. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2019, 743, 185-189.	5.6	19
56	Strong metallic glass: TiZrHfCuNiBe high entropy alloy. Journal of Alloys and Compounds, 2020, 820, 153119.	5.5	19
57	Effect of electric current on fracture and constitutive behavior of SN-Ag-Cu solder joints. Engineering Fracture Mechanics, 2017, 171, 85-97.	4.3	18
58	Crystal plasticity model to predict fatigue crack nucleation based on the phase transformation theory. Acta Mechanica Sinica/Lixue Xuebao, 2019, 35, 1033-1043.	3.4	18
59	Eliminating Piezoresistivity in Flexible Conducting Polymers for Accurate Temperature Sensing under Dynamic Mechanical Deformations. Small, 2016, 12, 2832-2838.	10.0	17
60	Aspect ratio effects on the serration dynamics of a Zr-based bulk metallic glass. Journal of Materials Science, 2017, 52, 138-144.	3.7	17
61	Characterization and modeling of dynamic relaxation of a Zr-based bulk metallic glass. Journal of Alloys and Compounds, 2017, 690, 212-220.	5.5	17
62	Rate-dependent plastic deformation of TiZrHfCuNiBe high entropy bulk metallic glass. Journal of Alloys and Compounds, 2019, 785, 542-552.	5.5	17
63	Interfacial fracture toughness of sintered hybrid silver interconnects. Journal of Materials Science, 2020, 55, 2891-2904.	3.7	17
64	Aspect ratio effects on the serrated flow dynamic of TiZrHfCuNiBe high entropy metallic glass. Intermetallics, 2020, 119, 106726.	3.9	17
65	Dynamics of the strong metallic glass Zn38Mg12Ca32Yb18. Journal of Non-Crystalline Solids, 2016, 447, 85-90.	3.1	16
66	Effects of aging temperature on tensile and fatigue behavior of Sn-3.0Ag-0.5Cu solder joints. Journal of Materials Science: Materials in Electronics, 2017, 28, 14884-14892.	2.2	16
67	Effects of iron addition on the dynamic mechanical relaxation of Zr55Cu30Ni5Al10 bulk metallic glasses. Journal of Alloys and Compounds, 2018, 749, 262-267.	5.5	16
68	Finite Element Analysis to the Constitutive Behavior of Sintered Silver Nanoparticles Under Nanoindentation. International Journal of Applied Mechanics, 2018, 10, 1850110.	2.2	16
69	Size effect on the fracture of sintered porous nano-silver joints: Experiments and Weibull analysis. Journal of Alloys and Compounds, 2021, 863, 158611.	5.5	16
70	A theoretical analysis to current exponent variation regularity and electromigration-induced failure. Journal of Applied Physics, 2017, 121, .	2.5	15
71	Size effect on microstructure and tensile properties of Sn3.0Ag0.5Cu solder joints. Journal of Materials Science: Materials in Electronics, 2017, 28, 17682-17692.	2.2	15
72	Viscoelasticity of Cu- and La-based bulk metallic glasses: Interpretation based on the quasi-point defects theory. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2018, 719, 164-170.	5.6	15

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73	A micromechanical analysis to the elasto-viscoplastic behavior of solder alloys. International Journal of Solids and Structures, 2019, 159, 211-220.	2.7	15
74	Constructing visibility graph and planning optimal path for inspection of 2D workspace. , 2009, , .		13
75	Microstructure and size effect of interfacial intermetallic on fracture toughness of Sn3.0Ag0.5Cu solder interconnects. Engineering Fracture Mechanics, 2018, 202, 259-274.	4.3	13
76	Damage and viscoplastic behavior of sintered nano-silver joints under shear loading. Engineering Fracture Mechanics, 2019, 222, 106741.	4.3	13
77	Energy-Based Micromechanics Analysis on Fatigue Crack Propagation Behavior in Sn-Ag Eutectic Solder. Journal of Electronic Materials, 2008, 37, 339-346.	2.2	12
78	Insight on Viscoelasticity of Ti16.7 Zr16.7 Hf16.7 Cu16.7 Ni16.7 Be16.7 High Entropy Bulk Metallic Glass. Journal of Iron and Steel Research International, 2016, 23, 19-23.	2.8	12
79	Electric current-assisted creep behaviour of Snâ€“3.0Agâ€“0.5Cu solder. Journal of Materials Science, 2018, 53, 6219-6229.	3.7	12
80	The dynamic mechanical characteristics of Zr-based bulk metallic glasses and composites. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2018, 711, 356-363.	5.6	12
81	Effects of porosity and pore microstructure on the mechanical behavior of nanoporous silver. Materials Today Communications, 2020, 24, 101236.	1.9	12
82	The effect of a shear bond in the Rankine method for the fire resistance of RC columns. Engineering Structures, 2008, 30, 3595-3602.	5.3	11
83	A statistical mechanics model to predict electromigration induced damage and void growth in solder interconnects. Physica A: Statistical Mechanics and Its Applications, 2017, 468, 195-204.	2.6	11
84	Progressive collapse analysis of steel frame structure based on the energy principle. Steel and Composite Structures, 2016, 21, 553-571.	1.3	11
85	Fatigue Crack Propagation Behavior of Snâ€“Agâ€“Cu Solder Interconnects. IEEE Transactions on Components and Packaging Technologies, 2009, 32, 317-324.	1.3	10
86	Cooperative localization with communication delays for MAUVs. , 2009, , .		10
87	Physical aging effects on the dynamic relaxation behavior and mechanical properties of Cu46Zr46Al8 metallic glass. Journal of Alloys and Compounds, 2017, 726, 195-200.	5.5	10
88	Physical mechanism of internal friction behavior of $\hat{\Gamma}^2$ -type bulk metallic glass composites. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2019, 739, 193-197.	5.6	10
89	Dynamic mechanical behaviors of a metastable $\hat{\Gamma}^2$ -type bulk metallic glass composite. Journal of Alloys and Compounds, 2020, 819, 153040.	5.5	10
90	Cooperative Localization of Multiple UUVs with Communication Delaysâ€“A Real-time Update Method Based on Path Prediction. Jiqiren/Robot, 2011, 33, 161-168.	0.4	10

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91	Thermodynamic-Based Elastoplasticity Multiaxial Constitutive Model for Concrete at Elevated Temperatures. <i>Journal of Engineering Mechanics - ASCE</i> , 2017, 143, .	2.9	9
92	A theoretical analysis of the electromigration-induced void morphological evolution under high current density. <i>Acta Mechanica Sinica/Lixue Xuebao</i> , 2017, 33, 868-878.	3.4	9
93	Role of intrinsic defects on the persistent luminescence of pristine and Mn doped ZnGa ₂ O ₄ . <i>Journal of Applied Physics</i> , 2019, 125, .	2.5	9
94	A void evolution-based damage model for ductile fracture of metallic materials. <i>Journal of Micromechanics and Molecular Physics</i> , 2019, 04, 1950008.	1.2	9
95	A micromechanical model considering dislocation density based intra-granular backstress under cyclic loading. <i>Mechanics of Materials</i> , 2019, 129, 41-49.	3.2	9
96	3D random packing algorithm of ellipsoidal particles based on the Monte Carlo method. <i>Magazine of Concrete Research</i> , 2021, 73, 343-355.	2.0	9
97	Microstructural effects on the dynamical relaxation of glasses and glass composites: A molecular dynamics study. <i>Acta Materialia</i> , 2021, 220, 117293.	7.9	9
98	The finite element model research of the pre-twisted thin-walled beam. <i>Structural Engineering and Mechanics</i> , 2016, 57, 389-402.	1.0	9
99	Machine learning applications for assessment of dynamic progressive collapse of steel moment frames. <i>Structures</i> , 2022, 36, 927-934.	3.6	9
100	Cooperative Navigation System for Multiple Unmanned Underwater Vehicles. <i>IFAC Postprint Volumes IPPV / International Federation of Automatic Control</i> , 2013, 46, 719-723.	0.4	8
101	Bulk metallic glasses: "Defects" determines performance. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2016, 675, 379-385.	5.6	8
102	Arrhenius activation of Zr ₆₅ Cu ₁₈ Ni ₇ Al ₁₀ bulk metallic glass in the supercooled liquid region. <i>Intermetallics</i> , 2017, 86, 88-93.	3.9	8
103	Porosity and Young's modulus of pressure-less sintered silver nanoparticles. , 2017, , .		8
104	Entropy based model for the creep behavior of reactive powder concrete at high temperature. <i>Construction and Building Materials</i> , 2022, 324, 126705.	7.2	8
105	Effect of deep cryogenic treatment on mechanical properties and microstructure of Sn _{3.0} Ag _{0.5} Cu solder. <i>Journal of Materials Science: Materials in Electronics</i> , 2018, 29, 4517-4525.	2.2	7
106	Dynamic Mechanical Relaxation in LaCe-Based Metallic Glasses: Influence of the Chemical Composition. <i>Metals</i> , 2019, 9, 1013.	2.3	7
107	Concrete filled double skin steel tubular columns subjected to non-uniform heating. <i>Journal of Constructional Steel Research</i> , 2019, 158, 263-278.	3.9	7
108	Dynamic correspondence principle in the viscoelasticity of metallic glasses. <i>Scripta Materialia</i> , 2020, 174, 39-43.	5.2	7

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109	Compressive stress-strain relationship for stressed concrete at high temperatures. Fire Safety Journal, 2022, 130, 103576.	3.1	7
110	An optimal measure choosing strategy to AUVs Cooperative Localization. , 2009, , .		6
111	Fire modelling and resistance of RC columns subjected to natural fire. Magazine of Concrete Research, 2009, 61, 837-847.	2.0	6
112	Extended Rankine approach for bi-axially loaded steel columns under natural fire. Engineering Structures, 2009, 31, 1024-1031.	5.3	6
113	Robust nonlinear speed control for a brushless DC motor using model reference adaptive backstepping approach. , 2009, , .		6
114	Interaction approach for concrete filled steel tube columns under fire conditions. Journal of Building Engineering, 2015, 3, 144-154.	3.4	6
115	Performance and damage evolution of plain and fibre-reinforced segmental concrete pipelines subjected to transverse permanent ground displacement. Structure and Infrastructure Engineering, 2018, 14, 232-246.	3.7	6
116	A Dislocation Density-Based Viscoplasticity Model for Cyclic Deformation: Application to P91 Steel. International Journal of Applied Mechanics, 2018, 10, 1850055.	2.2	6
117	Experimental analysis to the structural relaxation of Ti48Zr20V12Cu5Be15 metallic glass matrix composite. Journal of Alloys and Compounds, 2018, 769, 443-452.	5.5	6
118	An upscaled model for elastoplastic behavior of the Callovo-Oxfordian argillite. Computers and Geotechnics, 2019, 112, 81-92.	4.7	6
119	3D-printed biomimetic surface structures with abnormal friction properties. Extreme Mechanics Letters, 2019, 26, 46-52.	4.1	6
120	Creep of sintered porous micron-silver: nanoindentation experiment and theoretical analysis. Journal of Materials Science, 2021, 56, 18281-18299.	3.7	6
121	Spalling mechanism of carbon nanotube concrete at elevated temperature. Construction and Building Materials, 2022, 314, 125594.	7.2	6
122	Elastic-Plastic Damage Model to Predict Pore-Pressure Effect on Concrete Behavior at Elevated Temperatures. Journal of Engineering Mechanics - ASCE, 2017, 143, .	2.9	5
123	Relaxation of Ni-free Ti40Zr10Cu36Pd14 bulk metallic glass under mechanical stress. Intermetallics, 2018, 102, 6-10.	3.9	5
124	Structural response and resilience of posttensioned steel frames under column loss. Journal of Constructional Steel Research, 2019, 158, 107-119.	3.9	5
125	Enhancement of the Unified Constitutive Model for Viscoplastic Solders in Wide Strain Rate and Temperature Ranges. Strength of Materials, 2019, 51, 917-925.	0.5	5
126	A micromechanicalâ€based elastoâ€viscoplastic model for the Callovoâ€Oxfordian argillite: Algorithms, validations, and applications. International Journal for Numerical and Analytical Methods in Geomechanics, 2020, 44, 183-207.	3.3	5

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127	Dynamic progressive collapse of steel moment frames under different fire scenarios. <i>Journal of Constructional Steel Research</i> , 2020, 173, 106256.	3.9	5
128	Energy variation in diffusive void nucleation induced by electromigration. <i>Acta Mechanica Sinica/Lixue Xuebao</i> , 2020, 36, 866-872.	3.4	5
129	Unified Damage Constitutive Model for Fiber-Reinforced Concrete at High Temperature. <i>Journal of Engineering Mechanics - ASCE</i> , 2022, 148, .	2.9	5
130	Optimal decision making for Cooperative Localization of MAUVs. , 2009, , .		4
131	A dislocation density based micromechanical constitutive model for Sn-Ag-Cu solder alloys. <i>Materials Research Express</i> , 2017, 4, 106506.	1.6	4
132	Material and structural optimization of fatigue life of PBGA under temperature cycling. , 2018, , .		4
133	An energy approach to predict electromigration induced grain rotation under high current density. <i>Theoretical and Applied Mechanics Letters</i> , 2019, 9, 21-26.	2.8	4
134	Effect of Zener-Hollomon parameter on the flow behavior of Zr-based metallic glass. <i>Journal of Alloys and Compounds</i> , 2020, 819, 152987.	5.5	4
135	Elasto-plastic behavior of the Fontainebleau sandstone based on a refined continuous strain deviation approach. <i>European Journal of Environmental and Civil Engineering</i> , 2022, 26, 3788-3804.	2.1	4
136	Consistency Analysis of EKF-based SLAM by Measurement Noise and Observation Times. <i>Zidonghua Xuebao/Acta Automatica Sinica</i> , 2009, 35, 1177-1184.	0.3	4
137	Surface diffusion induced shape evolution of multiple circular voids under high current density. <i>Journal of Applied Physics</i> , 2017, 121, .	2.5	3
138	Aging effect on defect evolution and shear strength of nano-silver solder joint. , 2018, , .		3
139	Thermal cycling aging effects on the tensile property and constitute behavior of Sn-3.0Ag-0.5Cu solder alloy. <i>Journal of Materials Science: Materials in Electronics</i> , 2019, 30, 867-875.	2.2	3
140	Mechanical Relaxation of a Ti36.2Zr30.3Cu8.3Fe4Be21.2 Bulk Metallic Glass: Experiments and Theoretical Analysis. <i>Acta Metallurgica Sinica (English Letters)</i> , 2019, 32, 726-732.	2.9	3
141	Corrosion effects on sintered nano-silver joints and the secondary biological hazards. <i>Journal of Materials Science: Materials in Electronics</i> , 2020, 31, 7649-7662.	2.2	3
142	A phase-transformation based method coupled with entropy to predict fatigue crack initiation of metallic materials. <i>Engineering Fracture Mechanics</i> , 2021, 250, 107757.	4.3	3
143	Compressive properties and microstructure evolution of sintered nano-silver. <i>Journal of Physics: Conference Series</i> , 2021, 2011, 012061.	0.4	3
144	Elastic flexural and torsional buckling behavior of pre-twisted bar under axial load. <i>Structural Engineering and Mechanics</i> , 2014, 49, 273-283.	1.0	3

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145	Transient creep strain of fly ash concrete at elevated temperatures. Magazine of Concrete Research, 2022, 74, 1176-1187.	2.0	3
146	Nonlinear sliding mode speed control of a PM synchronous motor drive using model reference adaptive backstepping approach. , 2009, , .		2
147	Effect of cryogenic treatment on mechanical properties and microstructure of solder joint. , 2017, , .		2
148	Effect of Electric Current on Constitutive Behaviour and Microstructure of SAC305 Solder Joint. , 2018, , .		2
149	An analytical model to predict diffusion induced intermetallic compounds growth in Cu-Sn-Cu sandwich structures. Theoretical and Applied Mechanics Letters, 2020, 10, 33-37.	2.8	2
150	Viscoplastic behavior of bulk solder material under cyclic loading and compression of spherical joint-scale granules. Journal of Materials Science: Materials in Electronics, 2021, 32, 20640-20650.	2.2	2
151	An elasto-viscoplastic self-consistent model for polycrystalline material with imperfect interface under coupled thermo-mechanical loads. Acta Mechanica, 0, , .	2.1	2
152	Strong Tracking Filter Simultaneous Localization and Mapping Algorithm. , 2008, , .		1
153	Slow $\hat{\gamma}^2$ relaxation in La-based metallic glasses based on mechanical spectroscopy measurements. Journal of Iron and Steel Research International, 2017, 24, 397-401.	2.8	1
154	Size effect of Sn3.0Ag0.5Cu solder joint on intermetallic layer growth. , 2017, , .		1
155	The effects of inclusions and heterogeneous stress field on hydraulic fracture. Geophysics, 2018, 83, MR153-MR166.	2.6	1
156	Porosity effect on the constitutive model of porous material under nanoindentation. , 2018, , .		1
157	Effect of corrosion on mechanical and biological properties of nano-silver joints. , 2019, , .		1
158	Finding the lowest-cost path for searching the grid-based environment. , 2009, , .		0
159	Distributed suboptimal Cooperative Localization for Multiple Underwater Vehicles. , 2009, , .		0
160	An Engineering Mechanics Based Approach to Predict Safety of RC Columns under High Temperatures. Applied Mechanics and Materials, 0, 351-352, 42-45.	0.2	0
161	The Coupling Interaction in the Rankine Method for Concrete Filled Steel Tube Columns under High Temperatures. Applied Mechanics and Materials, 2014, 580-583, 2612-2615.	0.2	0
162	An advanced constitutive model for SnPb and SnAg solder materials. , 2014, , .		0

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163	Large-area electronics combined with integrated circuits into a strain sensing sheets. IABSE Symposium Report, 2015, , .	0.0	0
164	Theoretical study of thermomigration effect on the pancake void propagation at the current crowding zone of solder joints. , 2016, , .		0
165	Thermo-visco-plastic constitutive model for lead-containing and lead-free solders subjected to monotonic and cyclic loadings. , 2016, , .		0
166	Micromechanical modeling of the cyclic behavior of Sn-0.7Cu solder based on micromechanical polycrystalline approach. , 2017, , .		0
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