Yao Yao

List of Publications by Year
in descending order

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	Elasto-plastic behavior of the Fontainebleau sandstone based on a refined continuous strain deviation approach. European Journal of Environmental and Civil Engineering, 2022, 26, 3788-3804.	2.1	4
2	Spalling mechanism of carbon nanotube concrete at elevated temperature. Construction and Building Materials, 2022, 314, 125594.	7.2	6
3	Unified Damage Constitutive Model for Fiber-Reinforced Concrete at High Temperature. Journal of Engineering Mechanics - ASCE, 2022, 148, .	2.9	5
4	Machine learning applications for assessment of dynamic progressive collapse of steel moment frames. Structures, 2022, 36, 927-934.	3.6	9
5	Entropy based model for the creep behavior of reactive powder concrete at high temperature. Construction and Building Materials, 2022, 324, 126705.	7.2	8
6	Compressive stress-strain relationship for stressed concrete at high temperatures. Fire Safety Journal, 2022, 130, 103576.	3.1	7
7	Transient creep strain of fly ash concrete at elevated temperatures. Magazine of Concrete Research, 2022, 74, 1176-1187.	2.0	3
8	3D random packing algorithm of ellipsoidal particles based on the Monte Carlo method. Magazine of Concrete Research, 2021, 73, 343-355.	2.0	9
9	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
10	A phase-transformation based method coupled with entropy to predict fatigue crack initiation of metallic materials. Engineering Fracture Mechanics, 2021, 250, 107757.	4.3	3
11	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
12	Mechanical properties and failure mechanism of carbon nanotube concrete at high temperatures. Construction and Building Materials, 2021, 297, 123782.	7.2	23
13	Compressive properties and microstructure evolution of sintered nano-silver. Journal of Physics: Conference Series, 2021, 2011, 012061.	0.4	3
14	Creep of sintered porous micron-silver: nanoindentation experiment and theoretical analysis. Journal of Materials Science, 2021, 56, 18281-18299.	3.7	6
15	Microstructural effects on the dynamical relaxation of glasses and glass composites: A molecular dynamics study. Acta Materialia, 2021, 220, 117293.	7.9	9
16	Atomically Dispersed Cu Catalyst for Efficient Chemoselective Hydrogenation Reaction. Nano Letters, 2021, 21, 10284-10291.	9.1	85
17	Dynamic correspondence principle in the viscoelasticity of metallic glasses. Scripta Materialia, 2020, 174, 39-43.	5.2	7
18	Effect of Zener-Hollomon parameter on the flow behavior of Zr-based metallic glass. Journal of Alloys and Compounds, 2020, 819, 152987.	5.5	4

#	Article	IF	Citations
19	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
20	Interfacial fracture toughness of sintered hybrid silver interconnects. Journal of Materials Science, 2020, 55, 2891-2904.	3.7	17
21	Strong metallic glass: TiZrHfCuNiBe high entropy alloy. Journal of Alloys and Compounds, 2020, 820, 153119.	5.5	19
22	Dynamic mechanical behaviors of a metastable <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si1.svg"><mml:mrow><mml:mi mathvariant="bold">Î²</mml:mi></mml:mrow></mml:math>-type bulk metallic glass composite. Journal of Alloys and Compounds, 2020, 819, 153040.	5.5	10
23	Effects of porosity and pore microstructure on the mechanical behavior of nanoporous silver. Materials Today Communications, 2020, 24, 101236.	1.9	12
24	Dynamic progressive collapse of steel moment frames under different fire scenarios. Journal of Constructional Steel Research, 2020, 173, 106256.	3.9	5
25	Energy variation in diffusive void nucleation induced by electromigration. Acta Mechanica Sinica/Lixue Xuebao, 2020, 36, 866-872.	3.4	5
26	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
27	Micromechanical modeling of work hardening for coupling microstructure evolution, dynamic recovery and recrystallization: Application to high entropy alloys. International Journal of Mechanical Sciences, 2020, 177, 105567.	6.7	23
28	Aspect ratio effects on the serrated flow dynamic of TiZrHfCuNiBe high entropy metallic glass. Intermetallics, 2020, 119, 106726.	3.9	17
29	Corrosion effects on sintered nano-silver joints and the secondary biological hazards. Journal of Materials Science: Materials in Electronics, 2020, 31, 7649-7662.	2.2	3
30	An elastoplastic damage constitutive model of concrete considering the effects of dehydration and pore pressure at high temperatures. Materials and Structures/Materiaux Et Constructions, 2020, 53, 1.	3.1	22
31	Damage and viscoplastic behavior of sintered nano-silver joints under shear loading. Engineering Fracture Mechanics, 2019, 222, 106741.	4.3	13
32	Dynamic Mechanical Relaxation in LaCe-Based Metallic Glasses: Influence of the Chemical Composition. Metals, 2019, 9, 1013.	2.3	7
33	Critical Review of Size Effects on Microstructure and Mechanical Properties of Solder Joints for Electronic Packaging. Applied Sciences (Switzerland), 2019, 9, 227.	2.5	19
34	Rate-dependent plastic deformation of TiZrHfCuNiBe high entropy bulk metallic glass. Journal of Alloys and Compounds, 2019, 785, 542-552.	5.5	17
35	Mechanical behaviour of sintered silver nanoparticles reinforced by SiC microparticles. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2019, 744, 406-414.	5.6	43
36	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

#	Article	IF	Citations
37	An upscaled model for elastoplastic behavior of the Callovo-Oxfordian argillite. Computers and Geotechnics, 2019, 112, 81-92.	4.7	6
38	Structural response and resilience of posttensioned steel frames under column loss. Journal of Constructional Steel Research, 2019, 158, 107-119.	3.9	5
39	Structural heterogeneities and mechanical behavior of amorphous alloys. Progress in Materials Science, 2019, 104, 250-329.	32.8	428
40	Role of intrinsic defects on the persistent luminescence of pristine and Mn doped ZnGa2O4. Journal of Applied Physics, 2019, 125, .	2.5	9
41	Concrete filled double skin steel tubular columns subjected to non-uniform heating. Journal of Constructional Steel Research, 2019, 158, 263-278.	3.9	7
42	An energy approach to predict electromigration induced grain rotation under high current density. Theoretical and Applied Mechanics Letters, 2019, 9, 21-26.	2.8	4
43	A void evolution-based damage model for ductile fracture of metallic materials. Journal of Micromechanics and Molecular Physics, 2019, 04, 1950008.	1.2	9
44	Effect of corrosion on mechanical and biological properties of nano-silver joints. , 2019, , .		1
45	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
46	An Entropy-Based Failure Prediction Model for the Creep and Fatigue of Metallic Materials. Entropy, 2019, 21, 1104.	2.2	25
47	Main Î± relaxation and slow Î² relaxation processes in a La30Ce30Al15Co25 metallic glass. Journal of Materials Science and Technology, 2019, 35, 982-986.	10.7	31
48	Thermal cycling aging effects on the tensile property and constitute behavior of Snâ€“3.0Agâ€“0.5Cu solder alloy. Journal of Materials Science: Materials in Electronics, 2019, 30, 867-875.	2.2	3
49	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
50	A micromechanical model considering dislocation density based intra-granular backstress under cyclic loading. Mechanics of Materials, 2019, 129, 41-49.	3.2	9
51	Mechanical Relaxation of a Ti36.2Zr30.3Cu8.3Fe4Be21.2 Bulk Metallic Glass: Experiments and Theoretical Analysis. Acta Metallurgica Sinica (English Letters), 2019, 32, 726-732.	2.9	3
52	3D-printed biomimetic surface structures with abnormal friction properties. Extreme Mechanics Letters, 2019, 26, 46-52.	4.1	6
53	A micromechanical analysis to the elasto-viscoplastic behavior of solder alloys. International Journal of Solids and Structures, 2019, 159, 211-220.	2.7	15
54	Physical mechanism of internal friction behavior of Î²-type bulk metallic glass composites. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2019, 739, 193-197.	5.6	10

#	Article	IF	Citations
55	Strain rate sensitivity of sintered silver nanoparticles using rate-jump indentation. International Journal of Mechanical Sciences, 2018, 140, 60-67.	6.7	43
56	Annealing effect to constitutive behavior of Snâ€“3.0Agâ€“0.5Cu solder. Journal of Materials Science: Materials in Electronics, 2018, 29, 7177-7187.	2.2	19
57	The multi-factor effect of tensile strength of concrete in numerical simulation based on the Monte Carlo random aggregate distribution. Construction and Building Materials, 2018, 165, 585-595.	7.2	24
58	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
59	Electric current-assisted creep behaviour of Snâ€“3.0Agâ€“0.5Cu solder. Journal of Materials Science, 2018, 53, 6219-6229.	3.7	12
60	The effects of inclusions and heterogeneous stress field on hydraulic fracture. Geophysics, 2018, 83, MR153-MR166.	2.6	1
61	Effect of deep cryogenic treatment on mechanical properties and microstructure of Sn3.0Ag0.5Cu solder. Journal of Materials Science: Materials in Electronics, 2018, 29, 4517-4525.	2.2	7
62	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
63	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
64	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
65	An energy based analytical method to predict the influence of natural fractures on hydraulic fracture propagation. Engineering Fracture Mechanics, 2018, 189, 232-245.	4.3	36
66	Constitutive Behaviour of Single Lap Joint of Sintered Silver Paste. , 2018, , .		0
67	Porosity effect on the constitutive model of porous material under nanoindentation. , 2018, , .		1
68	Effect of Electric Current on Constitutive Behaviour and Microstructure of SAC305 Solder Joint. , 2018, , .		2
69	Finite Element Analysis to the Constitutive Behavior of Sintered Silver Nanoparticles Under Nanoindentation. International Journal of Applied Mechanics, 2018, 10, 1850110.	2.2	16
70	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
71	Material and structural optimization of fatigue life of PBGA under temperature cycling. , 2018, , .		4
72	Aging effect on defect evolution and shear strength of nano-silver solder joint. , 2018, , .		3

#	Article	IF	Citations
73	The constitutive model and threshold stress for characterizing the deformation mechanism of Al0.3CoCrFeNi high entropy alloy. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2018, 730, 137-146.	5.6	31
74	A Dislocation Density-Based Viscoplasticity Model for Cyclic Deformation: Application to P91 Steel. International Journal of Applied Mechanics, 2018, 10, 1850055.	2.2	6
75	Experimental analysis to the structural relaxation of Ti48Zr20V12Cu5Be15 metallic glass matrix composite. Journal of Alloys and Compounds, 2018, 769, 443-452.	5.5	6
76	Constitutive behaviour and life evaluation of solder joint under the multi-field loadings. AIP Advances, 2018, 8, .	1.3	23
77	A new perspective on nature of fire-induced spalling in concrete. Construction and Building Materials, 2018, 184, 581-590.	7.2	137
78	Relaxation of Ni-free Ti40Zr10Cu36Pd14 bulk metallic glass under mechanical stress. Intermetallics, 2018, 102, 6-10.	3.9	5
79	Creep Behavior of Annealed Lead-free Solder for High-power Electronic Device. DEStech Transactions on Engineering and Technology Research, 2018, , .	0.0	0
80	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
81	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
82	A rate and temperature dependent unified creep-plasticity model for high strength steel and solder alloys. Mechanics of Materials, 2017, 106, 35-43.	3.2	19
83	A phase transformation based method to predict fatigue crack nucleation and propagation in metals and alloys. Acta Materialia, 2017, 127, 244-251.	7.9	21
84	Thermodynamic-Based Elastoplasticity Multiaxial Constitutive Model for Concrete at Elevated Temperatures. Journal of Engineering Mechanics - ASCE, 2017, 143, .	2.9	9
85	Annealing effect on residual stress of Sn-3.0Ag-0.5Cu solder measured by nanoindentation and constitutive experiments. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2017, 696, 90-95.	5.6	35
86	Slow Î² 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
87	Arrhenius activation of Zr65Cu18Ni7Al10 bulk metallic glass in the supercooled liquid region. Intermetallics, 2017, 86, 88-93.	3.9	8
88	Annealing optimization for tinâ€“lead eutectic solder by constitutive experiment and simulation. Journal of Materials Research, 2017, 32, 3089-3099.	2.6	25
89	An improved unified creep-plasticity model for SnAgCu solder under a wide range of strain rates. Journal of Materials Science, 2017, 52, 6120-6137.	3.7	47
90	A theoretical analysis to current exponent variation regularity and electromigration-induced failure. Journal of Applied Physics, 2017, 121, .	2.5	15

#	Article	IF	Citations
91	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
92	A dislocation density based micromechanical constitutive model for Snâ€“Agâ€“Cu solder alloys. Materials Research Express, 2017, 4, 106506.	1.6	4
93	Surface diffusion induced shape evolution of multiple circular voids under high current density. Journal of Applied Physics, 2017, 121, .	2.5	3
94	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
95	A Review of Recent Research on the Mechanical Behavior of Lead-Free Solders. Applied Mechanics Reviews, 2017, 69, .	10.1	33
96	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
97	Cooling and Annealing Effect on Indentation Response of Lead-Free Solder. International Journal of Applied Mechanics, 2017, 09, 1750057.	2.2	29
98	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
99	A theoretical analysis of the electromigration-induced void morphological evolution under high current density. Acta Mechanica Sinica/Lixue Xuebao, 2017, 33, 868-878.	3.4	9
100	Abnormal internal friction in the in-situ Ti60Zr15V10Cu5Be10 metallic glass matrix composite. Journal of Alloys and Compounds, 2017, 724, 921-931.	5.5	33
101	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
102	Fire resistance of concrete filled steel tube columns subjected to non-uniform heating. Journal of Constructional Steel Research, 2017, 128, 542-554.	3.9	23
103	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
104	Effect of cryogenic treatment on mechanical properties and microstructure of solder joint. , 2017, , .		2
105	Size effect of Sn3.0Ag0.5Cu solder joint on intermetallic layer growth. , 2017, , .		1
106	Micromechanical modeling of the cyclic behavior of Sn-0.7Cu solder based on micromechanical polycrystalline approach. , 2017, , .		0
107	Porosity and Young's modulus of pressure-less sintered silver nanoparticles. , 2017, , .		8
108	An Entropy Based Low-Cycle Fatigue Life Prediction Model for Solder Materials. Entropy, 2017, 19, 503.	2.2	28

#	Article	IF	Citations
109	Thermal cycling aging effects on the tensile property of lead-free solder Sn-3Ag-0.5Cu. , 2017, , .		0
110	Effects of aging temperature on fatigue life of Sn-3.0Ag-0.5Cu solder joints. , 2017, , .		0
111	Effect of thermal cycling on tensile behaviour of SAC305 solder. , 2017, , .		0
112	A rate-dependent constitutive model considering effects of temperature cycles for lead-free solders. , 2017, , .		0
113	A dislocation density based viscoplastic constitutive model for lead free solder under drop impact. International Journal of Solids and Structures, 2017, 120, 236-244.	2.7	21
114	Determination of Youngâ€™s Modulus of Tensile Specimen for Lead-Free Solder. DEStech Transactions on Engineering and Technology Research, 2017, , .	0.0	0
115	Eliminating Piezoresistivity in Flexible Conducting Polymers for Accurate Temperature Sensing under Dynamic Mechanical Deformations. Small, 2016, 12, 2832-2838.	10.0	17
116	Theoretical study of thermomigration effect on the pancake void propagation at the current crowding zone of solder joints. , 2016, , .		0
117	Insight on Viscoelasticiy 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
118	An evaluation method to predict progressive collapse resistance of steel frame structures. Journal of Constructional Steel Research, 2016, 122, 238-250.	3.9	34
119	Understanding of micro-alloying on plasticity in Cu 46 Zr 47â^'x Al 7 Dy x (0â‰ÂxÂâ‰Â8) bulk metallic glasses under compression: Based on mechanical relaxations and theoretical analysis. International Journal of Plasticity, 2016, 82, 62-75.	8.8	153
120	Fire resistance of eccentrically loaded slender concrete-filled steel tubular columns. Thin-Walled Structures, 2016, 106, 102-112.	5.3	26
121	Mechanical properties of Ti16.7Zr16.7Hf16.7Cu16.7Ni16.7Be16.7 high-entropy bulk metallic glass. Journal of Non-Crystalline Solids, 2016, 452, 57-61.	3.1	46
122	Bulk metallic glasses: â€œDefectsâ€•determines performance. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2016, 675, 379-385.	5.6	8
123	Transition from stress-driven to thermally activated stress relaxation in metallic glasses. Physical Review B, 2016, 94, .	3.2	65
124	Thermo-visco-plastic constitutive model for lead-containing and lead-free solders subjected to monotonic and cyclic loadings. , 2016, , .		0
125	Dynamics of the strong metallic glass Zn38Mg12Ca32Yb18. Journal of Non-Crystalline Solids, 2016, 447, 85-90.	3.1	16
126	Mechanical effects of isolated defects within a lead-free solder bump subjected to coupled thermal-electrical loading. Journal of Micromechanics and Molecular Physics, 2016, 01, 1650004.	1.2	19

#	Article	IF	Citations
127	Evaluation of thermal stability and isochronal crystallization kinetics in the Ti40Zr25Ni8Cu9Be18 bulk metallic glass. Journal of Non-Crystalline Solids, 2016, 432, 254-264.	3.1	35
128	High temperature deformation behaviors of the Zr63.36Cu14.52Ni10.12Al12 bulk metallic glass. Journal of Materials Science, 2016, 51, 4079-4087.	3.7	23
129	Theoretical and numerical analysis to concrete filled double skin steel tubular columns under fire conditions. Thin-Walled Structures, 2016, 98, 547-557.	5.3	26
130	Thermal activation in the Zr 65 Cu 18 Ni 7 Al 10 metallic glass by creep deformation and stress relaxation. Scripta Materialia, 2016, 113, 180-184.	5.2	19
131	Progressive collapse analysis of steel frame structure based on the energy principle. Steel and Composite Structures, 2016, 21, 553-571.	1.3	11
132	The finite element model research of the pre-twisted thin-walled beam. Structural Engineering and Mechanics, 2016, 57, 389-402.	1.0	9
133	Interaction approach for concrete filled steel tube columns under fire conditions. Journal of Building Engineering, 2015, 3, 144-154.	3.4	6
134	Large-area electronics combined with integrated circuits into a strain sensing sheets. IABSE Symposium Report, 2015, , .	0.0	0
135	Pore pressure cohesive zone modeling of hydraulic fracture in quasi-brittle rocks. Mechanics of Materials, 2015, 83, 17-29.	3.2	62
136	Cooling behavior and residual strength of post-fire concrete filled steel tubular columns. Journal of Constructional Steel Research, 2015, 112, 282-292.	3.9	38
137	Detection of Steel Fatigue Cracks with Strain Sensing Sheets Based on Large Area Electronics. Sensors, 2015, 15, 8088-8108.	3.8	95
138	Characteristics of stress relaxation kinetics of La 60 Ni 15 Al 25 bulk metallic glass. Acta Materialia, 2015, 98, 43-50.	7.9	89
139	Non-isothermal crystallization transformation kinetics analysis and isothermal crystallization kinetics in super-cooled liquid region (SLR) of (Ce0.72Cu0.28)90â^'xAl10Fex (x=0, 5 or 10) bulk metallic glasses. Journal of Non-Crystalline Solids, 2015, 415, 42-50.	3.1	32
140	A continuum damage mechanics-based unified creep and plasticity model for solder materials. Acta Materialia, 2015, 83, 160-168.	7.9	80
141	An analytical method to predict electromigration-induced finger-shaped void growth in SnAgCu solder interconnect. Scripta Materialia, 2015, 95, 7-10.	5.2	28
142	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
143	An advanced constitutive model for SnPb and SnAg solder materials. , 2014, , .		0
144	Crack detection and characterization techniques-An overview. Structural Control and Health Monitoring, 2014, 21, 1387-1413.	4.0	168

#	Article	IF	Citations
145	Sensing sheet: the sensitivity of thin-film full-bridge strain sensors for crack detection and characterization. Measurement Science and Technology, 2014, 25, 075602.	2.6	46
146	Elastic flexural and torsional buckling behavior of pre-twisted bar under axial load. Structural Engineering and Mechanics, 2014, 49, 273-283.	1.0	3
147	An advanced constitutive model for SnPb and SnAg solder materials. , 2014, , .		0
148	Cohesive fracture mechanics based numerical analysis to BGA packaging and lead free solders under drop impact. Microelectronics Reliability, 2013, 53, 629-637.	1.7	41
149	The Wiedemannâ€“Franzâ€“Lorenz relation for lead-free solder and intermetallic materials. Acta Materialia, 2013, 61, 1525-1536.	7.9	29
150	Cooperative Navigation System for Multiple Unmanned Underwater Vehicles. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2013, 46, 719-723.	0.4	8
151	Linear Elastic and Cohesive Fracture Analysis to Model Hydraulic Fracture in Brittle and Ductile Rocks. Rock Mechanics and Rock Engineering, 2012, 45, 375-387.	5.4	129
152	Numerical Analysis to Lead Free Solder/Intermetallic Interconnect With Application of Wiedemann-Franz-Lorenz Relation. , 2012, , .		0
153	Cohesive Fracture Mechanics Based Finite Element Analysis to the Performance of Lead Free Solders in BGA Packaging Under Drop Impact. , 2012, , .		0
154	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
155	Modeling the failure of intermetallic/solder interfaces. Intermetallics, 2010, 18, 1603-1611.	3.9	44
156	Fatigue Crack Propagation Behavior of Snâ€“Agâ€“Cu Solder Interconnects. IEEE Transactions on Components and Packaging Technologies, 2009, 32, 317-324.	1.3	10
157	Electromigration effect on pancake type void propagation near the interface of bulk solder and intermetallic compound. Journal of Applied Physics, 2009, 105, .	2.5	27
158	Cooperative localization with communication delays for MAUVs. , 2009, , .		10
159	Optimal decision making for Cooperative Localization of MAUVs. , 2009, , .		4
160	An optimal measure choosing strategy to AUVs Cooperative Localization. , 2009, , .		6
161	Constructing visibility graph and planning optimal path for inspection of 2D workspace. , 2009, , .		13
162	Fire modelling and resistance of RC columns subjected to natural fire. Magazine of Concrete Research, 2009, 61, 837-847.	2.0	6

#	Article	IF	Citations
163	Extended Rankine approach for bi-axially loaded steel columns under natural fire. Engineering Structures, 2009, 31, 1024-1031.	5.3	6
164	Nonlinear sliding mode speed control of a PM synchronous motor drive using model reference adaptive backstepping approach. , 2009, , .		2
165	Finding the lowest-cost path for searching the grid-based environment. , 2009, , .		0
166	Distributed suboptimal Cooperative Localization for Multiple Underwater Vehicles. , 2009, , .		0
167	Robust nonlinear speed control for a brushless DC motor using model reference adaptive backstepping approach. , 2009, , .		6
168	Consistency Analysis of EKF-based SLAM by Measurement Noise and Observation Times. Zidonghua Xuebao/Acta Automatica Sinica, 2009, 35, 1177-1184.	0.3	4
169	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
170	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
171	Strong Tracking Filter Simultaneous Localization and Mapping Algorithm. , 2008, , .		1
172	An energy approach to predict fatigue crack propagation in metals and alloys. International Journal of Fracture, 2007, 146, 149-158.	2.2	22
173	Fire Resistance of Reinforced Concrete Columns Subjected to 1-, 2-, and 3-Face Heating. Journal of Structural Engineering, 2004, 130, 1820-1828.	3.4	41
174	Fire Resistance of Four-Face Heated Reinforced Concrete Columns. Journal of Structural Engineering, 2003, 129, 1220-1229.	3.4	42
175	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
176	An elasto-viscoplastic self-consistent model for polycrystalline material with imperfect interface under coupled thermo-mechanical loads. Acta Mechanica, 0, , .	2.1	2