

Qijun Xie

List of Publications by Year in descending order

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14
papers

352
citations

1040056

9
h-index

1058476

14
g-index

14
all docs

14
docs citations

14
times ranked

238
citing authors

#	ARTICLE	IF	CITATIONS
1	Temperature damage and constitutive model of frozen soil under dynamic loading. <i>Mechanics of Materials</i> , 2016, 102, 108-116.	3.2	63
2	Mechanical properties and dynamic constitutive model of 42CrMo steel. <i>Materials and Design</i> , 2017, 119, 171-179.	7.0	63
3	Dynamic stress-strain behavior of frozen soil: Experiments and modeling. <i>Cold Regions Science and Technology</i> , 2014, 106-107, 153-160.	3.5	37
4	Constitutive model of 42CrMo steel under a wide range of strain rates based on crystal plasticity theory. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2017, 679, 215-222.	5.6	33
5	A Dynamic Micromechanical Constitutive Model for Frozen Soil under Impact Loading. <i>Acta Mechanica Solida Sinica</i> , 2016, 29, 13-21.	1.9	30
6	Crystal plasticity-based impact dynamic constitutive model of magnesium alloy. <i>International Journal of Mechanical Sciences</i> , 2016, 119, 107-113.	6.7	29
7	Dynamic mechanical experiments and microstructure constitutive model of frozen soil with different particle sizes. <i>International Journal of Damage Mechanics</i> , 2018, 27, 686-706.	4.2	28
8	Experimental and theoretical study of mechanical properties of root-soil interface for slope protection. <i>Journal of Mountain Science</i> , 2020, 17, 2784-2795.	2.0	24
9	Research on damage viscoelastic dynamic constitutive model of frozen soil. <i>Cold Regions Science and Technology</i> , 2019, 160, 209-221.	3.5	22
10	Thermal activation based constitutive model for high-temperature dynamic deformation of AZ31B magnesium alloy. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2019, 743, 24-31.	5.6	9
11	Crystal-Plasticity-Based Dynamic Constitutive Model of AZ31B Magnesium Alloy at Elevated Temperature and with Explicit Plastic-Strain-Rate Control. <i>Acta Mechanica Solida Sinica</i> , 2020, 33, 31-50.	1.9	7
12	Dynamic constitutive model of frozen soil that considers the evolution of volume fraction of ice. <i>Scientific Reports</i> , 2020, 10, 20941.	3.3	4
13	Dislocation-dynamics-based dynamic constitutive model of magnesium alloy. <i>Acta Mechanica</i> , 2017, 228, 1415-1422.	2.1	2
14	An novel energy dissipator with self-recovery capability after deformation for structurally energy-dissipating rock-shed. <i>Journal of Mountain Science</i> , 2021, 18, 3058-3068.	2.0	1