

Xiaolong Zhang

List of Publications by Year in descending order

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7
papers

119
citations

1478505
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g-index

7
all docs

7
docs citations

7
times ranked

131
citing authors

#	ARTICLE	IF	CITATIONS
1	A coupled theory for chemically active and deformable solids with mass diffusion and heat conduction. <i>Journal of the Mechanics and Physics of Solids</i> , 2017, 107, 49-75.	4.8	43
2	Combined effect of relative humidity and temperature on dynamic viscoelastic properties and glass transition of poly(vinyl alcohol). <i>Journal of Applied Polymer Science</i> , 2013, 130, 3161-3167.	2.6	23
3	Dual-template strategy for electrocatalyst of cobalt nanoparticles encapsulated in nitrogen-doped carbon nanotubes for oxygen reduction reaction. <i>Journal of Colloid and Interface Science</i> , 2021, 581, 523-532.	9.4	19
4	A thermodynamic framework for thermo-chemo-elastic interactions in chemically active materials. <i>Science China: Physics, Mechanics and Astronomy</i> , 2017, 60, 1.	5.1	11
5	Relaxation of a hydrophilic polymer induced by moisture desorption through the glass transition. <i>Physical Chemistry Chemical Physics</i> , 2015, 17, 3186-3195.	2.8	10
6	Thermo-Chemo-Elasticity Considering Solid State Reaction and the Displacement Potential Approach to Quasi-Static Chemo-Mechanical Problems. <i>International Journal of Applied Mechanics</i> , 2018, 10, 1850112.	2.2	10
7	A chemo-mechanically coupled continuum damage-healing model for chemical reaction-based self-healing materials. <i>International Journal of Solids and Structures</i> , 2022, 236-237, 111346.	2.7	3