

Ross J Stewart

List of Publications by Year in descending order

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Version: 2024-02-01

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papers

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citations

1478505

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1474206

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10
docs citations

10
times ranked

88
citing authors

#	ARTICLE	IF	CITATIONS
1	Bridging crack propagation at the atomistic and mesoscopic scale for BCC-Fe with hybrid multiscale methods. <i>Engineering Fracture Mechanics</i> , 2016, 155, 166-182.	4.3	19
2	Effect of Nanoscale Roughness on Adhesion between Glassy Silica and Polyimides: A Molecular Dynamics Study. <i>Journal of Physical Chemistry C</i> , 2017, 121, 24648-24656.	3.1	18
3	A multiscale method for dislocation nucleation and seamlessly passing scale boundaries. <i>International Journal of Plasticity</i> , 2011, 27, 2103-2124.	8.8	11
4	Combined peridynamic and finite element analyses for failure prediction in periodic and partially periodic perforated structures. <i>Composite Structures</i> , 2019, 229, 111481.	5.8	9
5	Grafting Functional Groups in Polymeric Binder toward Enhancing Structural Integrity of Li_xSiO_2 Anode during Electrochemical Cycling. <i>Journal of Physical Chemistry C</i> , 2018, 122, 17190-17198.	3.1	7
6	Decoupling Strength and Grid Resolution in Peridynamic Theory. <i>Journal of Peridynamics and Nonlocal Modeling</i> , 2019, 1, 97-106.	2.9	7
7	Constructing surface models of silicate glasses using molecular dynamics to understand the effect of pH on the hydration properties. <i>Journal of Chemical Physics</i> , 2019, 150, 174703.	3.0	5
8	Simulation accuracy of crack-tip parameters with extended GP methods. <i>Engineering Fracture Mechanics</i> , 2017, 170, 87-106.	4.3	3
9	Enhancement of Adhesion Strength of Perfluoroalkylpolyethers on Rough Glassy Silica for Antismudge Coatings. <i>ACS Applied Polymer Materials</i> , 2019, 1, 2613-2621.	4.4	3
10	Quasicontinuum simulation of brittle cracking in single-crystal material. <i>Crystal Research and Technology</i> , 2017, 52, 1600247.	1.3	2