

# Ross J Stewart

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/5988141/publications.pdf>

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#	ARTICLE	IF	CITATIONS
1	Enhancement of Adhesion Strength of Perfluoroalkylpolyethers on Rough Glassy Silica for Antismudge Coatings. ACS Applied Polymer Materials, 2019, 1, 2613-2621.	4.4	3
2	Combined peridynamic and finite element analyses for failure prediction in periodic and partially periodic perforated structures. Composite Structures, 2019, 229, 111481.	5.8	9
3	Decoupling Strength and Grid Resolution in Peridynamic Theory. Journal of Peridynamics and Nonlocal Modeling, 2019, 1, 97-106.	2.9	7
4	Constructing surface models of silicate glasses using molecular dynamics to understand the effect of pH on the hydration properties. Journal of Chemical Physics, 2019, 150, 174703.	3.0	5
5	Grafting Functional Groups in Polymeric Binder toward Enhancing Structural Integrity of $\text{Li}_x\text{SiO}_2$ Anode during Electrochemical Cycling. Journal of Physical Chemistry C, 2018, 122, 17190-17198.	3.1	7
6	Quasicontinuum simulation of brittle cracking in single-crystal material. Crystal Research and Technology, 2017, 52, 1600247.	1.3	2
7	Simulation accuracy of crack-tip parameters with extended GP methods. Engineering Fracture Mechanics, 2017, 170, 87-106.	4.3	3
8	Effect of Nanoscale Roughness on Adhesion between Glassy Silica and Polyimides: A Molecular Dynamics Study. Journal of Physical Chemistry C, 2017, 121, 24648-24656.	3.1	18
9	Bridging crack propagation at the atomistic and mesoscopic scale for BCC-Fe with hybrid multiscale methods. Engineering Fracture Mechanics, 2016, 155, 166-182.	4.3	19
10	A multiscale method for dislocation nucleation and seamlessly passing scale boundaries. International Journal of Plasticity, 2011, 27, 2103-2124.	8.8	11