

Teng Zhang

List of Publications by Year in descending order

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Version: 2024-02-01

11
papers

1,785
citations

933447

10
h-index

1281871

11
g-index

12
all docs

12
docs citations

12
times ranked

2720
citing authors

#	ARTICLE	IF	CITATIONS
1	A review on mechanics and mechanical properties of 2D materials—Graphene and beyond. <i>Extreme Mechanics Letters</i> , 2017, 13, 42-77.	4.1	920
2	Flaw Insensitive Fracture in Nanocrystalline Graphene. <i>Nano Letters</i> , 2012, 12, 4605-4610.	9.1	221
3	Fracture of graphene: a review. <i>International Journal of Fracture</i> , 2015, 196, 1-31.	2.2	144
4	Defects controlled wrinkling and topological design in graphene. <i>Journal of the Mechanics and Physics of Solids</i> , 2014, 67, 2-13.	4.8	130
5	Nanotwin-governed toughening mechanism in hierarchically structured biological materials. <i>Nature Communications</i> , 2016, 7, 10772.	12.8	127
6	Designing graphene structures with controlled distributions of topological defects: A case study of toughness enhancement in graphene ruga. <i>Extreme Mechanics Letters</i> , 2014, 1, 3-8.	4.1	101
7	<i>Ruga</i> mechanics of creasing: from instantaneous to setback creases. <i>Proceedings of the Royal Society A: Mathematical, Physical and Engineering Sciences</i> , 2013, 469, 20120753.	2.1	52
8	Toughening Graphene With Topological Defects: A Perspective. <i>Journal of Applied Mechanics, Transactions ASME</i> , 2015, 82, .	2.2	45
9	Phase field crystal modeling of grain boundary structures and growth in polycrystalline graphene. <i>Journal of the Mechanics and Physics of Solids</i> , 2018, 120, 36-48.	4.8	26
10	An accordion model integrating self-cleaning, strong attachment and easy detachment functionalities of gecko adhesion. <i>Journal of Adhesion Science and Technology</i> , 2014, 28, 226-239.	2.6	13
11	Analytical Models for Predicting the Nonlinear Stress—Strain Relationships and Behaviors of Two-Dimensional Carbon Materials. <i>Journal of Applied Mechanics, Transactions ASME</i> , 2021, 88, .	2.2	1