David S Kammer

List of Publications by Year
in descending order

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23 papers	541 citations	623188 14 h-index	642321 23 g-index
23 all docs	23 docs citations	23 times ranked	284 citing authors

#	Article	IF	Citations
1	Earthquake breakdown energy scaling despite constant fracture energy. Nature Communications, 2022, 13, 1005.	5.8	11
2	Stochastic properties of static friction. Journal of the Mechanics and Physics of Solids, 2021, 147, 104242.	2.3	19
3	Effective Toughness of Heterogeneous Materials with Rate-Dependent Fracture Energy. Physical Review Letters, 2021, 127, 035501.	2.9	9
4	UGUCA: A spectral-boundary-integral method for modeling fracture and friction. SoftwareX, 2021, 15, 100785.	1.2	7
5	Nucleation of frictional sliding by coalescence of microslip. International Journal of Solids and Structures, 2021, 225, 111059.	1.3	14
6	A threeâ€dimensional hybrid finite element â€" spectral boundary integral method for modeling earthquakes in complex unbounded domains. International Journal for Numerical Methods in Engineering, 2021, 122, 6905-6923.	1.5	10
7	Dynamic fields at the tip of sub-Rayleigh and supershear frictional rupture fronts. Journal of the Mechanics and Physics of Solids, 2020, 137, 103826.	2.3	19
8	The earthquake arrest zone. Geophysical Journal International, 2020, 224, 581-589.	1.0	18
9	The onset of the frictional motion of dissimilar materials. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 13379-13385.	3.3	17
10	Fracture energy estimates from large-scale laboratory earthquakes. Earth and Planetary Science Letters, 2019, 511, 36-43.	1.8	25
11	A hybrid finite elementâ€spectral boundary integral approach: Applications to dynamic rupture modeling in unbounded domains. International Journal for Numerical and Analytical Methods in Geomechanics, 2019, 43, 317-338.	1.7	18
12	Rupture Termination in Laboratoryâ€Generated Earthquakes. Geophysical Research Letters, 2018, 45, 12,784.	1.5	31
13	The equation of motion for supershear frictional rupture fronts. Science Advances, 2018, 4, eaat5622.	4.7	31
14	Brittle Fracture Theory Predicts the Equation of Motion of Frictional Rupture Fronts. Physical Review Letters, 2017, 118, 125501.	2.9	47
15	Offâ€fault heterogeneities promote supershear transition of dynamic mode II cracks. Journal of Geophysical Research: Solid Earth, 2017, 122, 6625-6641.	1.4	15
16	Length scale of interface heterogeneities selects propagation mechanism of frictional slip fronts. Journal of the Mechanics and Physics of Solids, 2016, 88, 23-34.	2.3	13
17	Properties of the shear stress peak radiated ahead of rapidly accelerating rupture fronts that mediate frictional slip. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, 542-547.	3.3	45
18	Linear Elastic Fracture Mechanics Predicts the Propagation Distance of Frictional Slip. Tribology Letters, 2015, 57, 1.	1.2	67

#	Article	IF	Citations
19	The role of viscoelasticity on heterogeneous stress fields at frictional interfaces. Mechanics of Materials, 2015, 80, 276-287.	1.7	11
20	A study of frictional contact in dynamic fracture along bimaterial interfaces. International Journal of Fracture, 2014, 189, 149-162.	1.1	13
21	The existence of a critical length scale in regularised friction. Journal of the Mechanics and Physics of Solids, 2014, 63, 40-50.	2.3	17
22	Survival of Heterogeneous Stress Distributions Created by Precursory Slip at Frictional Interfaces. Physical Review Letters, 2013, 111, 164302.	2.9	34
23	On the Propagation of Slip Fronts at Frictional Interfaces. Tribology Letters, 2012, 48, 27-32.	1.2	50