Wolfgang Verestek

List of Publications by Year
in descending order

9	93	1684188 5	1588992 8
papers	citations	h-index	g-index

9	9	9	86
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Molecular dynamics simulations investigating consecutive nucleation, solidification and grain growth in a twelve-million-atom Fe-system. Journal of Crystal Growth, 2017, 474, 140-145.	1.5	23
2	A multiscale modeling on fracture and strength of graphene platelets reinforced epoxy. Engineering Fracture Mechanics, 2020, 235, 107197.	4.3	21
3	Molecular dynamics investigations of the strengthening of Al-Cu alloys during thermal ageing. Physical Mesomechanics, 2017, 20, 291-304.	1.9	16
4	Microstructural Investigation of Plasma Sprayed Ceramic Coatings Using Peridynamics. Journal of Mechanics, 2020, 36, 183-196.	1.4	9
5	Characterization of Cure Behavior in Epoxy Using Molecular Dynamics Simulation Compared with Dielectric Analysis and DSC. Polymers, 2021, 13, 3085.	4.5	9
6	Microstructural investigation of plasma sprayed ceramic coatings focusing on the effect of the splat boundary for SOFC sealing applications using peridynamics. Theoretical and Applied Fracture Mechanics, 2021, 112, 102926.	4.7	7
7	Introducing a method of constructing realistic closed cell nano-porous iron crystals and MD simulations to investigate the influence of the system size on the stability and the mechanical properties. Computational Materials Science, 2019, 166, 150-154.	3.0	4
8	Atomistic-scale modeling of nano-clay-filled shape memory polymers. Computational Materials Science, 2021, 188, 110246.	3.0	4
9	Molecular Dynamics Simulation of High-Temperature Creep Behavior of Nickel Polycrystalline Nanopillars. Molecules, 2021, 26, 2606.	3.8	0