Dianlei Feng

List of Publications by Year
in descending order

14 papers	**239** citations	1305906 **8** h-index	1336881 **12** g-index
15 all docs	**15** docs citations	**15** times ranked	**250** citing authors

#	ARTICLE	IF	CITATIONS
1	A comparative study of using two numerical strategies to simulate the biochemical processes in microbially induced calcite precipitation. Journal of Rock Mechanics and Geotechnical Engineering, 2022, 14, 592-602.	3.7	9
2	Numerical modeling of the mechanical response of bacterial biofilm to flow by using an SPH poroviscoelastic model. Proceedings in Applied Mathematics and Mechanics, 2021, 20, e202000214.	0.2	0
3	Modeling of Symbiotic Bacterial Biofilm Growth with an Example of the Streptococcusâ€"Veillonella sp. System. Bulletin of Mathematical Biology, 2021, 83, 48.	0.9	5
4	A New Formula for Predicting the Crater Size of a Target Plate Produced by Hypervelocity Impact. International Journal of Computational Methods, 2020, 17, 1844004.	0.8	1
5	A time-space flux-corrected transport finite element formulation for solving multi-dimensional advection-diffusion-reaction equations. Journal of Computational Physics, 2019, 396, 31-53.	1.9	9
6	Predicting the damage on a target plate produced by hypervelocity impact using a decoupled finite particle method. Engineering Analysis With Boundary Elements, 2019, 98, 110-125.	2.0	21
7	Numerical Study on High Velocity Impact Welding Using a Modified SPH Method. International Journal of Computational Methods, 2019, 16, 1846001.	0.8	16
8	A timeâ€"space FCTâ€"FE formulation for 1D time dependent advectionâ€"diffusion equation. Proceedings in Applied Mathematics and Mechanics, 2018, 18, e201800244.	0.2	0
9	A Deeper Insight of a Multi-dimensional Continuum Biofilm Growth Model: Experimental Observation and Parameter Studies. Lecture Notes in Applied and Computational Mechanics, 2018, , 257-272.	2.0	1
10	A spatially stabilized TDG based finite element framework for modeling biofilm growth with a multi-dimensional multi-species continuum biofilm model. Computational Mechanics, 2017, 59, 1049-1070.	2.2	10
11	A density-adaptive SPH method with kernel gradient correction for modeling explosive welding. Computational Mechanics, 2017, 60, 513-529.	2.2	77
12	Biofilm formation by the oral pioneer colonizer Streptococcus gordonii: an experimental and numerical study. FEMS Microbiology Ecology, 2017, 93, .	1.3	31
13	A 3D Smoothed Particle Hydrodynamics Method with Reactive Flow Model for the Simulation of ANFO. Propellants, Explosives, Pyrotechnics, 2015, 40, 566-575.	1.0	8
14	Smoothed particle hydrodynamics modeling of linear shaped charge with jet formation and penetration effects. Computers and Fluids, 2013, 86, 77-85.	1.3	51