Guoxian Chen

List of Publications by Year
in descending order

8 papers	357 citations	1307594 7 h-index	1588992 8 g-index
8 all docs	8 docs citations	8 times ranked	358 citing authors

#	ARTICLE	IF	CITATIONS
1	A Well-Balanced Reconstruction of Wet/Dry Fronts for the Shallow Water Equations. Journal of Scientific Computing, 2013, 56, 267-290.	2.3	93
2	Bandgap tuning of two-dimensional materials by sphere diameter engineering. Nature Materials, 2020, 19, 528-533.	27.5	80
3	The generalized Riemann problem method for the shallow water equations with bottom topography. International Journal for Numerical Methods in Engineering, 2006, 65, 834-862.	2.8	52
4	A New Hydrostatic Reconstruction Scheme Based on Subcell Reconstructions. SIAM Journal on Numerical Analysis, 2017, 55, 758-784.	2.3	46
5	Second-Order Accurate Godunov Scheme forÂMulticomponent Flows on Moving Triangular Meshes. Journal of Scientific Computing, 2008, 34, 64-86.	2.3	40
6	An adaptive moving finite volume scheme for modeling flood inundation over dry and complex topography. Water Resources Research, 2013, 49, 1914-1928.	4.2	23
7	A wellâ€balanced stable generalized Riemann problem scheme for shallow water equations using adaptive moving unstructured triangular meshes. International Journal for Numerical Methods in Fluids, 2013, 73, 266-283.	1.6	18
8	A unified surface-gradient and hydrostatic reconstruction scheme for the shallow water equations. Journal of Computational Physics, 2022, 467, 111463.	3.8	5