Ihab A Sraj

List of Publications by Year
in descending order

20	530	759233	752698
papers	citations	12	20
		h-index	g-index

20	20	20	526
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Assessing an ensemble Kalman filter inference of Manning's n coefficient of an idealized tidal inlet against a polynomial chaos-based MCMC. Ocean Dynamics, 2017, 67, 1067-1094.	2.2	9
2	Quantifying uncertainties in fault slip distribution during the Tōhoku tsunami using polynomial chaos. Ocean Dynamics, 2017, 67, 1535-1551.	2.2	7
3	Polynomial Chaos–Based Bayesian Inference of K-Profile Parameterization in a General Circulation Model of the Tropical Pacific. Monthly Weather Review, 2016, 144, 4621-4640.	1.4	11
4	Coordinate transformation and Polynomial Chaos for the Bayesian inference of a Gaussian process with parametrized prior covariance function. Computer Methods in Applied Mechanics and Engineering, 2016, 298, 205-228.	6.6	26
5	Numerical model for the deformation of nucleated cells by optical stretchers. Journal of Optics (United Kingdom), 2015, 17, 075403.	2.2	1
6	Drag Parameter Estimation Using Gradients and Hessian from a Polynomial Chaos Model Surrogate. Monthly Weather Review, 2014, 142, 933-941.	1.4	16
7	Numerical simulation of shock initiation of Ni/Al multilayered composites. Journal of Applied Physics, 2014, 115, .	2.5	17
8	Uncertainty quantification and inference of Manning's friction coefficients using DART buoy data during the Tōhoku tsunami. Ocean Modelling, 2014, 83, 82-97.	2.4	42
9	A priori testing of sparse adaptive polynomial chaos expansions using an ocean general circulation model database. Computational Geosciences, 2013, 17, 899-911.	2.4	35
10	Self-Propagating Reactive Fronts in Compacts of Multilayered Particles. Journal of Nanomaterials, 2013, 2013, 1-11.	2.7	13
11	Bayesian Inference of Drag Parameters Using AXBT Data from Typhoon Fanapi. Monthly Weather Review, 2013, 141, 2347-2367.	1.4	28
12	Erythrocyte deformation in high-throughput optical stretchers. Physical Review E, 2012, 85, 041923.	2.1	11
13	Global sensitivity analysis in an ocean general circulation model: a sparse spectral projection approach. Computational Geosciences, 2012, 16, 757-778.	2.4	58
14	A Numerical Study of the Influence of Cellular Adhesion on Prestress in Atomic Force Microscopy Measurements. Journal of Advanced Microscopy Research, 2011, 6, 89-96.	0.3	1
15	Multi-scale simulation of L-selectin–PSGL-1-dependent homotypic leukocyte binding and rupture. Biomechanics and Modeling in Mechanobiology, 2010, 9, 613-627.	2.8	16
16	Cell deformation cytometry using diode-bar optical stretchers. Journal of Biomedical Optics, 2010, 15, 1.	2.6	52
17	Linear diode laser bar optical stretchers for cell deformation. Biomedical Optics Express, 2010, 1, 482.	2.9	10
18	Dynamic ray tracing for modeling optical cell manipulation. Optics Express, 2010, 18, 16702.	3.4	27

#	ARTICLE	IF	CITATIONS
19	A coupled finite volume solver for the solution of incompressible flows on unstructured grids. Journal of Computational Physics, 2009, 228, 180-201.	3.8	111
20	A Coupled Incompressible Flow Solver on Structured Grids. Numerical Heat Transfer, Part B: Fundamentals, 2007, 52, 353-371.	0.9	39