

# Fangda Cui

## List of Publications by Year in descending order

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Version: 2024-02-01

29  
papers

334  
citations

758635

12  
h-index

839053

18  
g-index

29  
all docs

29  
docs citations

29  
times ranked

298  
citing authors

#	ARTICLE	IF	CITATIONS
1	Modeling and optimization of solar thermal-photovoltaic vacuum membrane distillation system by response surface methodology. <i>Solar Energy</i> , 2020, 195, 230-238.	2.9	38
2	Numerical modeling of subsurface release and fate of benzene and toluene in coastal aquifers subjected to tides. <i>Journal of Hydrology</i> , 2017, 551, 793-803.	2.3	30
3	Numerical Study of Solute Transport in Heterogeneous Beach Aquifers Subjected to Tides. <i>Water Resources Research</i> , 2020, 56, e2019WR026430.	1.7	27
4	Constitutive modeling of the mechanics associated with triple shape memory polymers. <i>International Journal of Engineering Science</i> , 2015, 96, 86-110.	2.7	26
5	A thermodynamic framework for the modeling of crystallizable triple shape memory polymers. <i>International Journal of Engineering Science</i> , 2019, 134, 1-30.	2.7	25
6	Oil Droplets Transport Under a Deep-Water Plunging Breaker: Impact of Droplet Inertia. <i>Journal of Geophysical Research: Oceans</i> , 2018, 123, 9082-9100.	1.0	19
7	On the transport and modeling of dispersed oil under ice. <i>Marine Pollution Bulletin</i> , 2018, 135, 569-580.	2.3	19
8	An oil spill decision matrix in response to surface spills of various bitumen blends. <i>Environmental Sciences: Processes and Impacts</i> , 2017, 19, 928-938.	1.7	15
9	Oil Droplet Dispersion under a Deep-Water Plunging Breaker: Experimental Measurement and Numerical Modeling. <i>Journal of Marine Science and Engineering</i> , 2020, 8, 230.	1.2	15
10	Modeling oil dispersion under breaking waves. Part I: Wave hydrodynamics. <i>Environmental Fluid Mechanics</i> , 2020, 20, 1527-1551.	0.7	14
11	Hydrodynamics and dilution of an oil jet in crossflow: The role of small-scale motions from laboratory experiment and large eddy simulations. <i>International Journal of Heat and Fluid Flow</i> , 2020, 85, 108634.	1.1	13
12	Modeling oil dispersion under breaking waves. Part II: Coupling Lagrangian particle tracking with population balance model. <i>Environmental Fluid Mechanics</i> , 2020, 20, 1553-1578.	0.7	12
13	Transport and Fate of Virus-Laden Particles in a Supermarket: Recommendations for Risk Reduction of COVID-19 Spreading. <i>Journal of Environmental Engineering, ASCE</i> , 2021, 147, .	0.7	12
14	A finite element method for light activated shape memory polymers. <i>International Journal for Numerical Methods in Engineering</i> , 2017, 111, 447-473.	1.5	10
15	Transport of oil droplets from a jet in crossflow: Dispersion coefficients and Vortex trapping. <i>Ocean Modelling</i> , 2021, 158, 101736.	1.0	9
16	Large eddy simulation and experiment of shear breakup in liquid-liquid jet: Formation of ligaments and droplets. <i>International Journal of Heat and Fluid Flow</i> , 2021, 89, 108810.	1.1	9
17	Modeling the Viscoelastic Behavior of Amorphous Shape Memory Polymers at an Elevated Temperature. <i>Fluids</i> , 2016, 1, 15.	0.8	6
18	Computation of the Mixing Energy in Rivers for Oil Dispersion. <i>Journal of Environmental Engineering, ASCE</i> , 2019, 145, .	0.7	6

#	ARTICLE	IF	CITATIONS
19	Experimental Investigation of Oil Droplet Size Distribution in Underwater Oil and Oil-Air Jet. Marine Technology Society Journal, 2021, 55, 196-209.	0.3	6
20	Modeling the mechanical behavior of crystallizable shape memory polymers: incorporating temperature-dependent viscoelasticity. International Journal of Advances in Engineering Sciences and Applied Mathematics, 2017, 9, 21-29.	0.7	5
21	Impact of a jet orifice on the hydrodynamics and the oil droplet size distribution. International Journal of Multiphase Flow, 2022, 147, 103921.	1.6	5
22	Transport and Formation of OPAs in Rivers. Journal of Environmental Engineering, ASCE, 2021, 147, .	0.7	4
23	Computational and experimental study of an oil jet in crossflow: coupling population balance model with multifluid large eddy simulation. Journal of Fluid Mechanics, 2022, 932, .	1.4	4
24	Dispersion of Oil Droplets in Rivers. Journal of Hydraulic Engineering, 2021, 147, .	0.7	3
25	Simulation of vertical dispersion of oil droplets by Langmuir supercells through a Reynolds-averaged Eulerian formulation combined with Lagrangian particle tracking. Ocean Engineering, 2021, 235, 109043.	1.9	2
26	Application of a Constitutive Modeling for Light Activated Shape Memory Polymer to Circular Shear. , 2012, , .		0
27	Modeling the Circular Shear in Light Activated Shape Memory Polymers With Three Networks. , 2013, , .		0
28	Experimental and Computational Study of Oil Jet in Crossflow. International Oil Spill Conference Proceedings, 2021, 2021, .	0.1	0
29	Oil droplets dispersion under a deep-water plunging breaker: Experimental measurements and numerical modeling. International Oil Spill Conference Proceedings, 2021, 2021, .	0.1	0