

# Bowen Ling

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/3936625/publications.pdf>

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13  
papers

226  
citations

1162889

8  
h-index

1199470

12  
g-index

14  
all docs

14  
docs citations

14  
times ranked

244  
citing authors

#	ARTICLE	IF	CITATIONS
1	Dispersion controlled by permeable surfaces: surface properties and scaling. Journal of Fluid Mechanics, 2016, 801, 13-42.	1.4	38
2	Universal scaling-law for flow resistance over canopies with complex morphology. Scientific Reports, 2018, 8, 4430.	1.6	36
3	Concentration polarization over reverse osmosis membranes with engineered surface features. Journal of Membrane Science, 2021, 617, 118199.	4.1	36
4	Hydrodynamic dispersion in thin channels with micro-structured porous walls. Physics of Fluids, 2018, 30, .	1.6	30
5	Modeling variability in porescale multiphase flow experiments. Advances in Water Resources, 2017, 105, 29-38.	1.7	24
6	Rough or wiggly? Membrane topology and morphology for fouling control. Journal of Fluid Mechanics, 2019, 862, 753-780.	1.4	20
7	Macroscale transport in channel-matrix systems via integral transforms. Physical Review Fluids, 2021, 6, .	1.0	11
8	Multi-Scale Microfluidics for Transport in Shale Fabric. Energies, 2021, 14, 21.	1.6	11
9	Dynamic Modeling of Fouling in Reverse Osmosis Membranes. Membranes, 2021, 11, 349.	1.4	10
10	Effect of Microgeometry on Modeling Accuracy of Fluid-Saturated Rock Using Dielectric Permittivity. IEEE Transactions on Geoscience and Remote Sensing, 2019, 57, 7294-7299.	2.7	4
11	A Geometric-Factor-Revised Permittivity Model for Three-Phase Mixture with Arbitrary Inclusion Packing. , 2021, , .		3
12	i <sub>h</sub> -SIMPLE Algorithm for the closure problem in homogenization of stokes flows. Advances in Water Resources, 2020, 144, 103712.	1.7	2
13	Module-Fluidics: Building Blocks for Spatio-Temporal Microenvironment Control. Micromachines, 2022, 13, 774.	1.4	1