

# Gaojin Li

## List of Publications by Year in descending order

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Version: 2024-02-01

27  
papers

1,102  
citations

430442

18  
h-index

525886

27  
g-index

27  
all docs

27  
docs citations

27  
times ranked

1124  
citing authors

#	ARTICLE	IF	CITATIONS
1	Electroconvection near an ion-selective surface with Butler-Volmer kinetics. <i>Journal of Fluid Mechanics</i> , 2022, 930, .	1.4	10
2	Swimming dynamics of a self-propelled droplet. <i>Journal of Fluid Mechanics</i> , 2022, 934, .	1.4	14
3	Suppression of dendrite growth by cross-flow in microfluidics. <i>Science Advances</i> , 2021, 7, .	4.7	27
4	Suppression of electroconvective and morphological instabilities by an imposed cross flow of the electrolyte. <i>Physical Review Fluids</i> , 2021, 6, .	1.0	8
5	Structure and Dynamics of Electric-Field-Driven Convective Flows at the Interface between Liquid Electrolytes and Ion-Selective Membranes. <i>Langmuir</i> , 2021, 37, 5895-5901.	1.6	6
6	Microswimming in viscoelastic fluids. <i>Journal of Non-Newtonian Fluid Mechanics</i> , 2021, 297, 104655.	1.0	47
7	Ultrathin zwitterionic polymeric interphases for stable lithium metal anodes. <i>Matter</i> , 2021, 4, 3753-3773.	5.0	35
8	Electrophoresis in dilute polymer solutions. <i>Journal of Fluid Mechanics</i> , 2020, 884, .	1.4	17
9	Structure, Rheology, and Electrokinetics of Soft Colloidal Suspension Electrolytes. <i>Langmuir</i> , 2020, 36, 9047-9053.	1.6	4
10	Designing Polymeric Interphases for Stable Lithium Metal Deposition. <i>Nano Letters</i> , 2020, 20, 5749-5758.	4.5	23
11	Spontaneous and field-induced crystallographic reorientation of metal electrodeposits at battery anodes. <i>Science Advances</i> , 2020, 6, eabb1122.	4.7	143
12	Electrodeposition of Zinc in Aqueous Electrolytes Containing High Molecular Weight Polymers. <i>Macromolecules</i> , 2020, 53, 2694-2701.	2.2	23
13	Electroconvection in a Viscoelastic Electrolyte. <i>Physical Review Letters</i> , 2019, 122, 124501.	2.9	48
14	Stabilizing electrochemical interfaces in viscoelastic liquid electrolytes. <i>Science Advances</i> , 2018, 4, eaao6243.	4.7	81
15	Electroconvection and Morphological Instabilities in Potentiostatic Electrodeposition across Liquid Electrolytes with Polymer Additives. <i>Journal of the Electrochemical Society</i> , 2018, 165, A3697-A3713.	1.3	24
16	Reduced viscosity for flagella moving in a solution of long polymer chains. <i>Physical Review Fluids</i> , 2018, 3, .	1.0	16
17	Near wall motion of undulatory swimmers in non-Newtonian fluids. <i>European Journal of Computational Mechanics</i> , 2017, 26, 44-60.	0.6	11
18	Collective Motion of Microorganisms in a Viscoelastic Fluid. <i>Physical Review Letters</i> , 2016, 117, 118001.	2.9	56

#	ARTICLE	IF	CITATIONS
19	Hydrodynamic interaction of swimming organisms in an inertial regime. <i>Physical Review E</i> , 2016, 94, 053104.	0.8	46
20	Undulatory swimming in non-Newtonian fluids. <i>Journal of Fluid Mechanics</i> , 2015, 784, .	1.4	51
21	Dynamics of particle migration in channel flow of viscoelastic fluids. <i>Journal of Fluid Mechanics</i> , 2015, 785, 486-505.	1.4	96
22	Dynamic performance and wake structure of flapping plates with different shapes. <i>Acta Mechanica Sinica/Lixue Xuebao</i> , 2014, 30, 800-808.	1.5	8
23	Hydrodynamic interaction of microswimmers near a wall. <i>Physical Review E</i> , 2014, 90, 013010.	0.8	134
24	Effect of solid boundaries on swimming dynamics of microorganisms in a viscoelastic fluid. <i>Rheologica Acta</i> , 2014, 53, 911-926.	1.1	59
25	Force and power of flapping plates in a fluid. <i>Journal of Fluid Mechanics</i> , 2012, 712, 598-613.	1.4	67
26	Numerical Studies on Locomotion Performance of Fishlike Tail Fins. <i>Journal of Hydrodynamics</i> , 2012, 24, 488-495.	1.3	29
27	LATTICE BOLTZMANN STUDY OF ELECTROHYDRODYNAMIC DROP DEFORMATION WITH LARGE DENSITY RATIO. <i>International Journal of Modern Physics C</i> , 2011, 22, 729-744.	0.8	19