

# Ayman Moussa

## List of Publications by Year in descending order

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12  
papers

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citations

1040056

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12  
times ranked

73  
citing authors

#	ARTICLE	IF	CITATIONS
1	Concentration versus absorption for the Vlasov-Navier-Stokes system on bounded domains. <i>Nonlinearity</i> , 2021, 34, 6843-6900.	1.4	4
2	Global existence of weak solutions to the incompressible Vlasov-Navier-Stokes system coupled to convection-diffusion equations. <i>Mathematical Models and Methods in Applied Sciences</i> , 2020, 30, 1485-1515.	3.3	4
3	Large Time Behavior of the Vlasov-Navier-Stokes System on the Torus. <i>Archive for Rational Mechanics and Analysis</i> , 2020, 236, 1273-1323.	2.4	15
4	Backward Parabolicity, Cross-Diffusion and Turing Instability. <i>Journal of Nonlinear Science</i> , 2019, 29, 139-162.	2.1	9
5	Uniqueness of the solution to the 2D Vlasov-Navier-Stokes system. <i>Revista Matematica Iberoamericana</i> , 2019, 36, 37-60.	0.9	14
6	On the effect of polydispersity and rotation on the Brinkman force induced by a cloud of particles on a viscous incompressible flow. <i>Kinetic and Related Models</i> , 2019, 12, 681-701.	0.9	12
7	The Vlasov-Navier-Stokes System in a 2D Pipe: Existence and Stability of Regular Equilibria. <i>Archive for Rational Mechanics and Analysis</i> , 2018, 230, 593-639.	2.4	9
8	Global existence of solutions to the incompressible Navier-Stokes-Vlasov equations in a time-dependent domain. <i>Journal of Differential Equations</i> , 2017, 262, 1317-1340.	2.2	19
9	Modelling and Numerics for Respiratory Aerosols. <i>Communications in Computational Physics</i> , 2015, 18, 723-756.	1.7	17
10	EXISTENCE THEORY FOR THE KINETIC-FLUID COUPLING WHEN SMALL DROPLETS ARE TREATED AS PART OF THE FLUID. <i>Journal of Hyperbolic Differential Equations</i> , 2014, 11, 109-133.	0.5	16
11	Global classical solutions close to equilibrium to the Vlasov-Fokker-Planck-Euler system. <i>Kinetic and Related Models</i> , 2011, 4, 227-258.	0.9	71
12	The Navier-Stokes-Vlasov-Fokker-Planck System near Equilibrium. <i>SIAM Journal on Mathematical Analysis</i> , 2010, 42, 2177-2202.	1.9	62