

# Adrien Blanchet

## List of Publications by Year in descending order

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Version: 2024-02-01

25  
papers

1,095  
citations

623574

14  
h-index

610775

24  
g-index

26  
all docs

26  
docs citations

26  
times ranked

494  
citing authors

#	ARTICLE	IF	CITATIONS
1	Infinite time aggregation for the critical Patlak-Keller-Segel model in $\mathbb{R}^2$ . Communications on Pure and Applied Mathematics, 2008, 61, 1449-1481.	1.2	203
2	Convergence of the Mass-Transport Steepest Descent Scheme for the Subcritical Patlak-Keller-Segel Model. SIAM Journal on Numerical Analysis, 2008, 46, 691-721.	1.1	141
3	Critical mass for a Patlak-Keller-Segel model with degenerate diffusion in higher dimensions. Calculus of Variations and Partial Differential Equations, 2009, 35, 133-168.	0.9	138
4	Functional inequalities, thick tails and asymptotics for the critical mass Patlak-Keller-Segel model. Journal of Functional Analysis, 2012, 262, 2142-2230.	0.7	105
5	Asymptotics of the Fast Diffusion Equation via Entropy Estimates. Archive for Rational Mechanics and Analysis, 2009, 191, 347-385.	1.1	97
6	How social information can improve estimation accuracy in human groups. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, 12620-12625.	3.3	76
7	Hardy-Poincaré inequalities and applications to nonlinear diffusions. Comptes Rendus Mathématique, 2007, 344, 431-436.	0.1	41
8	The Parabolic-Parabolic Keller-Segel System with Critical Diffusion as a Gradient Flow in $\mathbb{R}^3$ . Communications in Partial Differential Equations, 2013, 38, 658-686.	1.0	39
9	A hybrid variational principle for the Keller-Segel system in $\mathbb{R}^2$ . ESAIM: Mathematical Modelling and Numerical Analysis, 2015, 49, 1553-1576.	0.8	33
10	On the continuity of the time derivative of the solution to the parabolic obstacle problem with variable coefficients. Journal Des Mathematiques Pures Et Appliquees, 2006, 85, 371-414.	0.8	32
11	Asymptotic behaviour for small mass in the two-dimensional parabolic-elliptic Keller-Segel model. Journal of Mathematical Analysis and Applications, 2010, 361, 533-542.	0.5	26
12	From Nash to Cournot-Nash equilibria via the Monge-Kantorovich problem. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2014, 372, 20130398.	1.6	21
13	Optimal Transport and Cournot-Nash Equilibria. Mathematics of Operations Research, 2016, 41, 125-145.	0.8	19
14	Large time asymptotics of the doubly nonlinear equation in the non-displacement convexity regime. Journal of Evolution Equations, 2010, 10, 59-84.	0.6	15
15	Stochastic Stokes' Drift, Homogenized Functional Inequalities, and Large Time Behavior of Brownian Ratchets. SIAM Journal on Mathematical Analysis, 2009, 41, 46-76.	0.9	14
16	Topological Interactions in a Boltzmann-Type Framework. Journal of Statistical Physics, 2016, 163, 41-60.	0.5	14
17	Improved intermediate asymptotics for the heat equation. Applied Mathematics Letters, 2011, 24, 76-81.	1.5	12
18	The impact of incorrect social information on collective wisdom in human groups. Journal of the Royal Society Interface, 2020, 17, 20200496.	1.5	12

#	ARTICLE	IF	CITATIONS
19	On the singular set of the parabolic obstacle problem. Journal of Differential Equations, 2006, 231, 656-672.	1.1	11
20	Kinetic Models for Topological Nearest-Neighbor Interactions. Journal of Statistical Physics, 2017, 169, 929-950.	0.5	11
21	On the parabolic-elliptic Patlak-Keller-Segel system in dimension $\hat{A}2$ and higher. SÃ©minaire Laurent Schwartz " EDP Et Applications, 0, , 1-26.	0.0	11
22	Finite mass self-similar blowing-up solutions of a chemotaxis system with non-linear diffusion. Communications on Pure and Applied Analysis, 2012, 11, 47-60.	0.4	8
23	Collective information processing in human phase separation. Philosophical Transactions of the Royal Society B: Biological Sciences, 2020, 375, 20190801.	1.8	7
24	Computation of Cournot " Nash Equilibria by Entropic Regularization. Vietnam Journal of Mathematics, 2018, 46, 15-31.	0.4	6
25	Travelling fronts in stochastic Stokes " drifts. Physica A: Statistical Mechanics and Its Applications, 2008, 387, 5741-5751.	1.2	3