Dirk Horstmann

List of Publications by Year
in descending order

16	1,419	1040056 9	1058476 14
papers	citations	h-index	g-index

16	16	16	386
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Do some chemotaxis-growth models possess Lyapunov functionals?. Applied Mathematics Letters, 2016, 53, 107-111.	2.7	1
2	A positivity-preserving finite element method for chemotaxis problems in 3D. Journal of Computational and Applied Mathematics, 2013, 239, 290-303.	2.0	40
3	Self-similar radial solutions to a class of strongly coupled reaction-diffusion systems with cross-diffusion. Hiroshima Mathematical Journal, 2013, 43, .	0.3	0
4	Generalizing the Kellerâ€“Segel Model: Lyapunov Functionals, Steady State Analysis, and Blow-Up Results for Multi-species Chemotaxis Models inÂtheÂPresence of Attraction and Repulsion Between Competitive Interacting Species. Journal of Nonlinear Science, 2011, 21, 231-270.	2.1	130
5	Uniqueness and symmetry of equilibria in a chemotaxis model. Journal Fur Die Reine Und Angewandte Mathematik, 2011, 2011, .	0.9	6
6	Cones based on reflection symmetric convex polygons: Remarks on a problem by A. Pleijel. Forum Mathematicum, 2007, 19, .	0.7	0
7	Remarks on some Lotkaâ€“Volterra type cross-diffusion models. Nonlinear Analysis: Real World Applications, 2007, 8, 90-117.	1.7	27
8	Boundedness vs. blow-up in a chemotaxis system. Journal of Differential Equations, 2005, 215, 52-107.	2.2	708
9	On some cross-diffusion models in population dynamics and their connections to well-posed filters in signal enhancement processes. IMA Journal of Applied Mathematics, 2005, 70, 386-399.	1.6	1
10	Aggregation under local reinforcement: From lattice to continuum. European Journal of Applied Mathematics, 2004, 15, 545-576.	2.9	31
11	Newton's aerodynamic problem in the presence of friction. Nonlinear Differential Equations and Applications, 2002, 9, 295-307.	0.8	9
12	On the existence of radially symmetric blow-up solutions for the Keller-Segel model. Journal of Mathematical Biology, 2002, 44, 463-478.	1.9	40
13	The nonsymmetric case of the Keller-Segel model in chemotaxis: some recent results. Nonlinear Differential Equations and Applications, 2001, 8, 399-423.	0.8	40
14	Blow-up in a chemotaxis model without symmetry assumptions. European Journal of Applied Mathematics, 2001, 12, 159-177.	2.9	342
15	Lyapunov functions and L^p-estimates for a class of reaction-diffusion systems. Colloquium Mathematicum, 2001, 87, 113-127.	0.3	43
16	A note on comparison principles for viscosity solutions of fully nonlinear second order partial differential equations. Hokkaido Mathematical Journal, 1999, 28, 315.	0.3	1