Mathias Wilke

List of Publications by Year
in descending order

		759233	677142
24 papers	494 citations	12 h-index	22 g-index
26 all docs	26 docs citations	26 times ranked	177 citing authors

#	Article	IF	Citations
1	On the Navier–Stokes equations on surfaces. Journal of Evolution Equations, 2021, 21, 3153-3179.	1.1	11
2	Gewöhnliche Differentialgleichungen und dynamische Systeme. Grundstudium Mathematik, 2019, , .	0.0	2
3	The Rayleigh–Taylor instability for the Verigin problem with and without phase transition. Nonlinear Differential Equations and Applications, 2019, 26, 1.	0.8	6
4	On Critical Spaces for the Navier–Stokes Equations. Journal of Mathematical Fluid Mechanics, 2018, 20, 733-755.	1.0	12
5	Critical spaces for quasilinear parabolic evolution equations and applications. Journal of Differential Equations, 2018, 264, 2028-2074.	2.2	36
6	Stability of Equilibrium Shapes in Some Free Boundary Problems Involving Fluids. , 2018, , 1221-1265.		0
7	Addendum to the paper "On quasilinear parabolic evolution equations in weighted $$L_p$$ L p -spaces II". Journal of Evolution Equations, 2017, 17, 1381-1388.	1.1	21
8	Well-posedness and longtime behavior for the Westervelt equation with absorbing boundary conditions of order zero. Journal of Evolution Equations, 2017, 17, 551-571.	1.1	4
9	Reaction–diffusion systems of Maxwell–Stefan type with reversible mass-action kinetics. Nonlinear Analysis: Theory, Methods & Applications, 2017, 159, 264-284.	1.1	27
10	On Thermodynamically Consistent Stefan Problems with Variable Surface Energy. Archive for Rational Mechanics and Analysis, 2016, 220, 603-638.	2.4	6
11	On Incompressible Two-Phase Flows with Phase Transitions and Variable Surface Tension. Advances in Mathematical Fluid Mechanics, 2016, , 411-442.	0.1	4
12	Stability of Equilibrium Shapes in Some Free Boundary Problems Involving Fluids. , 2016, , 1-46.		0
13	Qualitative Behaviour of Incompressible Two-Phase Flows with Phase Transitions: The Case of Non-Equal Densities. Communications in Partial Differential Equations, 2014, 39, 1236-1283.	2.2	16
14	On quasilinear parabolic evolution equations in weighted L p -spaces II. Journal of Evolution Equations, 2014, 14, 509-533.	1.1	38
15	Qualitative behaviour of solutions for the two-phase Navier–Stokes equations with surface tension. Mathematische Annalen, 2013, 356, 737-792.	1.4	48
16	Well-posedness and qualitative behaviour of solutions for a two-phase Navier–Stokes-Mullins–Sekerka system. Interfaces and Free Boundaries, 2013, 15, 39-75.	0.8	11
17	Maximal regularity and global existence of solutions to a quasilinear thermoelastic plate system. Discrete and Continuous Dynamical Systems, 2013, 33, 5189-5202.	0.9	21
18	Invariant Foliations Near Normally Hyperbolic Equilibria for Quasilinear Parabolic Problems. Advanced Nonlinear Studies, 2013, 13, 231-243.	1.7	8

#	Article	IF	Citations
19	Global well-posedness and exponential stability for Kuznetsov's equation in L_p-spaces. Evolution Equations and Control Theory, 2013, 2, 365-378.	1.3	13
20	L_p-theory for a Cahn-Hilliard-Gurtin system. Evolution Equations and Control Theory, 2012, 1, 393-429.	1.3	1
21	Optimal Regularity and Long-Time Behavior of Solutions for the Westervelt Equation. Applied Mathematics and Optimization, 2011, 64, 257-271.	1.6	31
22	On quasilinear parabolic evolution equations in weighted L p -spaces. Journal of Evolution Equations, 2010, 10, 443-463.	1.1	64
23	Fractional white noise perturbations of parabolic Volterra equations. Journal of Applied Analysis, 2010, 16, .	0.5	3
24	Convergence to equilibrium for the Cahn–Hilliard equation with a logarithmic free energy. Nonlinear Analysis: Theory, Methods & Applications, 2007, 67, 3176-3193.	1.1	108