

Mathias Wilke

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/7107159/publications.pdf>

Version: 2024-02-01

24
papers

494
citations

759233

12
h-index

677142

22
g-index

26
all docs

26
docs citations

26
times ranked

177
citing authors

#	ARTICLE	IF	CITATIONS
1	Convergence to equilibrium for the Cahn–Hilliard equation with a logarithmic free energy. <i>Nonlinear Analysis: Theory, Methods & Applications</i> , 2007, 67, 3176-3193.	1.1	108
2	On quasilinear parabolic evolution equations in weighted L^p -spaces. <i>Journal of Evolution Equations</i> , 2010, 10, 443-463.	1.1	64
3	Qualitative behaviour of solutions for the two-phase Navier–Stokes equations with surface tension. <i>Mathematische Annalen</i> , 2013, 356, 737-792.	1.4	48
4	On quasilinear parabolic evolution equations in weighted L^p -spaces II. <i>Journal of Evolution Equations</i> , 2014, 14, 509-533.	1.1	38
5	Critical spaces for quasilinear parabolic evolution equations and applications. <i>Journal of Differential Equations</i> , 2018, 264, 2028-2074.	2.2	36
6	Optimal Regularity and Long-Time Behavior of Solutions for the Westervelt Equation. <i>Applied Mathematics and Optimization</i> , 2011, 64, 257-271.	1.6	31
7	Reaction–diffusion systems of Maxwell–Stefan type with reversible mass-action kinetics. <i>Nonlinear Analysis: Theory, Methods & Applications</i> , 2017, 159, 264-284.	1.1	27
8	Maximal regularity and global existence of solutions to a quasilinear thermoelastic plate system. <i>Discrete and Continuous Dynamical Systems</i> , 2013, 33, 5189-5202.	0.9	21
9	Addendum to the paper “On quasilinear parabolic evolution equations in weighted L^p -spaces II”. <i>Journal of Evolution Equations</i> , 2017, 17, 1381-1388.	1.1	21
10	Qualitative Behaviour of Incompressible Two-Phase Flows with Phase Transitions: The Case of Non-Equal Densities. <i>Communications in Partial Differential Equations</i> , 2014, 39, 1236-1283.	2.2	16
11	Global well-posedness and exponential stability for Kuznetsov's equation in L^p -spaces. <i>Evolution Equations and Control Theory</i> , 2013, 2, 365-378.	1.3	13
12	On Critical Spaces for the Navier–Stokes Equations. <i>Journal of Mathematical Fluid Mechanics</i> , 2018, 20, 733-755.	1.0	12
13	Well-posedness and qualitative behaviour of solutions for a two-phase Navier–Stokes–Mullins–Sekerka system. <i>Interfaces and Free Boundaries</i> , 2013, 15, 39-75.	0.8	11
14	On the Navier–Stokes equations on surfaces. <i>Journal of Evolution Equations</i> , 2021, 21, 3153-3179.	1.1	11
15	Invariant Foliations Near Normally Hyperbolic Equilibria for Quasilinear Parabolic Problems. <i>Advanced Nonlinear Studies</i> , 2013, 13, 231-243.	1.7	8
16	On Thermodynamically Consistent Stefan Problems with Variable Surface Energy. <i>Archive for Rational Mechanics and Analysis</i> , 2016, 220, 603-638.	2.4	6
17	The Rayleigh–Taylor instability for the Verigin problem with and without phase transition. <i>Nonlinear Differential Equations and Applications</i> , 2019, 26, 1.	0.8	6
18	On Incompressible Two-Phase Flows with Phase Transitions and Variable Surface Tension. <i>Advances in Mathematical Fluid Mechanics</i> , 2016, , 411-442.	0.1	4

#	ARTICLE	IF	CITATIONS
19	Well-posedness and longtime behavior for the Westervelt equation with absorbing boundary conditions of order zero. <i>Journal of Evolution Equations</i> , 2017, 17, 551-571.	1.1	4
20	Fractional white noise perturbations of parabolic Volterra equations. <i>Journal of Applied Analysis</i> , 2010, 16, .	0.5	3
21	Gewöhnliche Differentialgleichungen und dynamische Systeme. <i>Grundstudium Mathematik</i> , 2019, , .	0.0	2
22	L_p -theory for a Cahn-Hilliard-Gurtin system. <i>Evolution Equations and Control Theory</i> , 2012, 1, 393-429.	1.3	1
23	Stability of Equilibrium Shapes in Some Free Boundary Problems Involving Fluids. , 2018, , 1221-1265.		0
24	Stability of Equilibrium Shapes in Some Free Boundary Problems Involving Fluids. , 2016, , 1-46.		0