Slim Tayachi

List of Publications by Year
in descending order

28 papers	332 citations	11 h-index	18 g-index
		840776	839539
28 all docs	28 docs citations	28 times ranked	96 citing authors

#	Article	IF	Citations
1	Local well-posedness for the inhomogeneous nonlinear Schrödinger equation. Discrete and Continuous Dynamical Systems, 2021, 41, 5409.	0.9	16
2	Relaxation to Equilibrium in the One-Dimensional Thin-Film Equation with Partial Wetting and Linear Mobility. Communications in Mathematical Physics, 2021, 385, 837-857.	2.2	3
3	Global Existence and Decay Estimates for the Heat Equation with Exponential Nonlinearity. Funkcialaj Ekvacioj, 2021, 64, 237-259.	0.3	2
4	Uniqueness and non-uniqueness of solutions for critical Hardy-Hénon parabolic equations. Journal of Mathematical Analysis and Applications, 2020, 488, 123976.	1.0	13
5	Large Time Behavior of Solutions to the Nonlinear Heat Equation with Absorption with Highly Singular Antisymmetric Initial Values. Advanced Nonlinear Studies, 2020, 20, 311-337.	1.7	0
6	Existence of a stable blow-up profile for the nonlinear heat equation with a critical power nonlinear gradient term. Transactions of the American Mathematical Society, 2019, 371, 5899-5972.	0.9	16
7	WELL-POSEDNESS, GLOBAL EXISTENCE AND DECAY ESTIMATES FOR THE HEAT EQUATION WITH GENERAL POWER-EXPONENTIAL NONLINEARITIES. , 2019, , .		3
8	The nonlinear heat equation involving highly singular initial values and new blowup and life span results. Journal of Elliptic and Parabolic Equations, 2018, 4, 141-176.	0.9	4
9	Uniqueness for the thin-film equation with a Dirac mass as initial data. Proceedings of the American Mathematical Society, 2018, 146, 2623-2635.	0.8	5
10	Global existence and asymptotic behavior of solutions for the complex-valued nonlinear heat equation. Annales Polonici Mathematici, 2018, 121, 99-131.	0.5	1
11	Well-posedness, global existence and large time behavior for Hardy–Hénon parabolic equations. Nonlinear Analysis: Theory, Methods & Applications, 2017, 152, 116-148.	1.1	19
12	Single-point blow-up for parabolic systems with exponential nonlinearities and unequal diffusivities. Nonlinear Analysis: Theory, Methods & Applications, 2016, 138, 428-447.	1.1	7
13	The heat semigroup on sectorial domains, highly singular initial values and applications. Journal of Evolution Equations, 2016, 16, 341-364.	1.1	7
14	Improved conditions for single-point blow-up in reaction–diffusion systems. Journal of Differential Equations, 2015, 259, 1898-1932.	2.2	14
15	Large time behavior of solutions for a complex-valued quadratic heat equation. Nonlinear Differential Equations and Applications, 2015, 22, 1005-1045.	0.8	2
16	Remarks on the Cauchy problem for the one-dimensional quadratic (fractional) heat equation. Journal of Functional Analysis, 2015, 269, 2305-2327.	1.4	6
17	The nonlinear heat equation with high order mixed derivatives of the Dirac delta as initial values. Transactions of the American Mathematical Society, 2013, 366, 505-530.	0.9	11
18	Different asymptotic behavior of global solutions for a parabolic system with nonlinear gradient terms. Journal of Mathematical Analysis and Applications, 2012, 387, 970-992.	1.0	1

#	Article	IF	Citations
19	ASYMPTOTICALLY SELF-SIMILAR GLOBAL SOLUTIONS OF A DAMPED WAVE EQUATION. Communications in Contemporary Mathematics, 2007, 09, 253-277.	1.2	1
20	Large time behavior of solutions for parabolic equations with nonlinear gradient terms. Hokkaido Mathematical Journal, 2007, 36, .	0.3	9
21	Optimal condition for non-simultaneous blow-up in a reaction-diffusion system. Journal of the Mathematical Society of Japan, 2004, 56, 571.	0.4	56
22	Global existence, asymptotic behavior and self-similar solutions for a class of semilinear parabolic systems. Nonlinear Analysis: Theory, Methods & Applications, 2002, 48, 13-35.	1.1	21
23	Asymptotically self-similar global solutions of a general semilinear heat equation. Mathematische Annalen, 2001, 321, 131-155.	1.4	31
24	Nonglobal Existence of Solutions for a Generalized Ginzburgâ€"Landau Equation Coupled with a Poisson Equation. Journal of Mathematical Analysis and Applications, 2001, 254, 558-570.	1.0	3
25	ASYMPTOTIC SELF-SIMILAR BEHAVIOR OF SOLUTIONS FOR A SEMILINEAR PARABOLIC SYSTEM. Communications in Contemporary Mathematics, 2001, 03, 363-392.	1.2	10
26	Blowup rates for nonlinear heat equations with gradient terms and for parabolic inequalities. Colloquium Mathematicum, 2001, 88, 135-154.	0.3	18
27	Asymptotically self-similar global solutions of a semilinear parabolic equation with a nonlinear gradient term. Proceedings of the Royal Society of Edinburgh Section A: Mathematics, 1999, 129, 1291-1307.	1.2	28
28	Exact self-similar blow-up of solutions of a semilinear parabolic equation with a nonlinear gradient term. Indiana University Mathematics Journal, 1996, 45, 0-0.	0.9	25