Jalal Shatah

List of Publications by Year
in descending order

		361413	580821
27 papers	3,694 citations	20 h-index	25 g-index
27 all docs	27 docs citations	27 times ranked	766 citing authors

#	Article	IF	Citations
1	On the Wind Generation of Water Waves. Archive for Rational Mechanics and Analysis, 2016, 222, 827-878.	2.4	6
2	Travelling water waves with compactly supported vorticity. Nonlinearity, 2013, 26, 1529-1564.	1.4	25
3	Local Well-Posedness for Fluid Interface Problems. Archive for Rational Mechanics and Analysis, 2011, 199, 653-705.	2.4	86
4	Self-similar solutions for the Schrödinger map equation. Mathematische Zeitschrift, 2010, 264, 697-707.	0.9	5
5	Geometry and a priori estimates for free boundary problems of the Euler's equation. Communications on Pure and Applied Mathematics, 2008, 61, 698-744.	3.1	166
6	A priori estimates for fluid interface problems. Communications on Pure and Applied Mathematics, 2008, 61, 848-876.	3.1	59
7	Soliton dynamics in planar ferromagnets and anti-ferromagnets. Journal of Zhejiang University: Science A, 2003, 4, 503-510.	2.4	7
8	Constrained Wave Equations and Wave Maps. Communications in Mathematical Physics, 2003, 239, 383-404.	2.2	3
9	The Cauchy problem for wave maps. International Mathematics Research Notices, 2002, 2002, 555.	1.0	67
10	The stability of localized solutions of Landau-Lifshitz equations. Communications on Pure and Applied Mathematics, 2002, 55, 1136-1159.	3.1	26
11	Homoclinic orbits for the perturbed sine-Gordon equation. Communications on Pure and Applied Mathematics, 2000, 53, 283-299.	3.1	28
12	Decay estimates for the critical semilinear wave equation. Annales De L'Institut Henri Poincare (C) Analyse Non Lineaire, 1998, 15, 783-789.	1.4	64
13	Breathers as homoclinic geometric wave maps. Physica D: Nonlinear Phenomena, 1996, 99, 113-133.	2.8	13
14	Persistent homoclinic orbits for a perturbed nonlinear Schrï¿½dinger equation. Communications on Pure and Applied Mathematics, 1996, 49, 1175-1255.	3.1	88
15	The Cauchy Problem for Harmonic Maps on Minkowski Space. , 1995, , 1126-1132.		5
16	On the cauchy problem for equivariant wave maps. Communications on Pure and Applied Mathematics, 1994, 47, 719-754.	3.1	93
17	Title is missing!. International Mathematics Research Notices, 1994, 1994, 303.	1.0	143
18	Regularity Results for Nonlinear Wave Equations. Annals of Mathematics, 1993, 138, 503.	4.2	159

#	Article	IF	Citations
19	Stability theory of solitary waves in the presence of symmetry, II. Journal of Functional Analysis, 1990, 94, 308-348.	1.4	595
20	Weak solutions and development of singularities of the SU(2) Ïƒ-model. Communications on Pure and Applied Mathematics, 1988, 41, 459-469.	3.1	204
21	Stability theory of solitary waves in the presence of symmetry, I. Journal of Functional Analysis, 1987, 74, 160-197.	1.4	897
22	Recent Advances in Nonlinear Wave Equations. The IMA Volumes in Mathematics and Its Applications, 1987, , 305-309.	0.5	0
23	Unstable ground state of nonlinear Klein-Gordon equations. Transactions of the American Mathematical Society, 1985, 290, 701-710.	0.9	84
24	Instability of nonlinear bound states. Communications in Mathematical Physics, 1985, 100, 173-190.	2.2	260
25	Normal forms and quadratic nonlinear Klein-Gordon equations. Communications on Pure and Applied Mathematics, 1985, 38, 685-696.	3.1	301
26	Stable standing waves of nonlinear Klein-Gordon equations. Communications in Mathematical Physics, 1983, 91, 313-327.	2.2	164
27	Global existence of small solutions to nonlinear evolution equations. Journal of Differential Equations, 1982, 46, 409-425.	2.2	146