Chengbo Wang

List of Publications by Year
in descending order

33 papers	482 citations	687363 13 h-index	713466 21 g-index
34 all docs	34 docs citations	34 times ranked	76 citing authors

#	Article	IF	Citations
1	Long-time existence for semilinear wave equations with the inverse-square potential. Journal of Differential Equations, 2022, 309, 98-141.	2.2	3
2	Concerning ill-posedness for semilinear wave equations. Calculus of Variations and Partial Differential Equations, 2021, 60, 1.	1.7	2
3	Lifespan estimates for 2-dimensional semilinear wave equations in asymptotically Euclidean exterior domains. Journal of Functional Analysis, 2021, 281, 109253.	1.4	12
4	Blow up for small-amplitude semilinear wave equations with mixed nonlinearities on asymptotically Euclidean manifolds. Journal of Differential Equations, 2020, 269, 8573-8596.	2.2	13
5	Global existence for semilinear damped wave equations in relation with the Strauss conjecture. Discrete and Continuous Dynamical Systems, 2020, 40, 709-724.	0.9	12
6	Lifespan of solutions to the Strauss type wave system on asymptotically flat space-times. Discrete and Continuous Dynamical Systems, 2020, 40, 4985-4999.	0.9	3
7	Strichartz estimates and Strauss conjecture on non-trapping asymptotically hyperbolic manifolds. Transactions of the American Mathematical Society, 2020, 373, 7639-7668.	0.9	3
8	Global existence and lifespan for semilinear wave equations with mixed nonlinear terms. Journal of Differential Equations, 2019, 267, 3328-3354.	2.2	13
9	Fractional derivatives of composite functions and the Cauchy problem for the nonlinear half wave equation. Selecta Mathematica, New Series, 2019, 25, 1.	1.0	6
10	Weighted fractional chain rule and nonlinear wave equations with minimal regularity. Revista Matematica Iberoamericana, 2019, 36, 341-356.	0.9	6
11	The Strauss conjecture on negatively curved backgrounds. Discrete and Continuous Dynamical Systems, 2019, 39, 7081-7099.	0.9	5
12	Almost global existence for semilinear wave equations with mixed nonlinearities in four space dimensions. Journal of Mathematical Analysis and Applications, 2018, 459, 236-246.	1.0	6
13	Global Existence for Some 4-D Quasilinear Wave Equations with Low Regularity. Acta Mathematica Sinica, English Series, 2018, 34, 629-640.	0.6	4
14	Long-time existence for semilinear wave equations on asymptotically flat space-times. Communications in Partial Differential Equations, 2017, 42, 1150-1174.	2.2	14
15	The Strauss Conjecture on Asymptotically Flat Space-Times. SIAM Journal on Mathematical Analysis, 2017, 49, 4579-4594.	1.9	11
16	Combined effects of two nonlinearities in lifespan of small solutions to semi-linear wave equations. Mathematische Annalen, 2016, 366, 667-694.	1.4	26
17	FINITE TIME BLOWUP FOR THE FOURTH-ORDER NLS. Bulletin of the Korean Mathematical Society, 2016, 53, 615-640.	0.3	14
18	The Glassey conjecture on asymptotically flat manifolds. Transactions of the American Mathematical Society, 2015, 367, 7429-7451.	0.9	12

#	ARTICLE	IF	CITATIONS
19	The Glassey conjecture for nontrapping obstacles. Journal of Differential Equations, 2015, 259, 510-530.	2.2	5
20	The Strauss conjecture on Kerr black hole backgrounds. Mathematische Annalen, 2014, 359, 637-661.	1.4	31
21	Generalized Strichartz Estimates and Scattering for 3D Zakharov System. Communications in Mathematical Physics, 2014, 331, 239-259.	2.2	19
22	Global existence of null-form wave equations on small asymptotically Euclidean manifolds. Journal of Functional Analysis, 2014, 266, 5676-5708.	1.4	13
23	Almost Global Existence for Some Semilinear Wave Equations with Almost Critical Regularity. Communications in Partial Differential Equations, 2013, 38, 1467-1491.	2.2	5
24	Strichartz estimates for Dirichlet-wave equations in two dimensions with applications. Transactions of the American Mathematical Society, 2012, 364, 3329-3347.	0.9	29
25	The Glassey conjecture with radially symmetric data. Journal Des Mathematiques Pures Et Appliquees, 2012, 98, 518-541.	1.6	45
26	Generalized and weighted Strichartz estimates. Communications on Pure and Applied Analysis, 2012, 11, 1723-1752.	0.8	19
27	Weighted Strichartz estimates with angular regularity and their applications. Forum Mathematicum, 2011, 23, .	0.7	53
28	Concerning the Strauss conjecture on asymptotically Euclidean manifolds. Journal of Mathematical Analysis and Applications, 2011, 379, 549-566.	1.0	15
29	Concerning the wave equation on asymptotically Euclidean manifolds. Journal D'Analyse Mathematique, 2010, 112, 1-32.	0.8	25
30	Ill-posedness for semilinear wave equations with very low regularity. Mathematische Zeitschrift, 2008, 259, 343-353.	0.9	3
31	Some remarks on Strichartz estimates for homogeneous wave equation. Nonlinear Analysis: Theory, Methods & Applications, 2006, 65, 697-706.	1.1	31
32	LOCAL WELL-POSEDNESS AND ILL-POSEDNESS ON THE EQUATION OF TYPE â–¡u = uk(â�‚u)Î±. Chinese Annals of Mathematics Series B, 2005, 26, 361-378.	0.4	9
33	Reversed Strichartz estimates for wave on non-trapping asymptotically hyperbolic manifolds and applications. Communications in Partial Differential Equations, 0, , 1-9.	2.2	3