

# Jason Metcalfe

## List of Publications by Year in descending order

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papers

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times ranked

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#	ARTICLE	IF	CITATIONS
1	Quasilinear Schrödinger Equations III: Large Data and Short Time. <i>Archive for Rational Mechanics and Analysis</i> , 2021, 242, 1119-1175.	2.4	10
2	Global existence for systems of quasilinear wave equations in $(1+n)$ -dimensions. <i>Journal of Differential Equations</i> , 2020, 268, 2309-2331.	2.2	2
3	Local energy decay for scalar fields on time dependent non-trapping backgrounds. <i>American Journal of Mathematics</i> , 2020, 142, 821-883.	1.1	7
4	Localized energy for wave equations with degenerate trapping. <i>Mathematical Research Letters</i> , 2019, 26, 991-1025.	0.5	4
5	Global existence for a coupled wave system related to the Strauss conjecture. <i>Communications on Pure and Applied Analysis</i> , 2018, 17, 593-604.	0.8	1
6	Pointwise decay for the Maxwell field on black hole space-times. <i>Advances in Mathematics</i> , 2017, 316, 53-93.	1.1	14
7	The Strauss Conjecture on Asymptotically Flat Space-Times. <i>SIAM Journal on Mathematical Analysis</i> , 2017, 49, 4579-4594.	1.9	11
8	Localized Energy Estimates for Wave Equations on $(1+4)$ -dimensional Myers-Perry Space-times. <i>SIAM Journal on Mathematical Analysis</i> , 2015, 47, 1933-1957.	1.9	6
9	The lifespan for 3-dimensional quasilinear wave equations in exterior domains. <i>Forum Mathematicum</i> , 2014, 26, 1883-1918.	0.7	4
10	Nonlinear Bound States on Weakly Homogeneous Spaces. <i>Communications in Partial Differential Equations</i> , 2014, 39, 34-97.	2.2	9
11	The Strauss conjecture on Kerr black hole backgrounds. <i>Mathematische Annalen</i> , 2014, 359, 637-661.	1.4	31
12	Quasilinear Schrödinger equations, II: Small data and cubic nonlinearities. <i>Kyoto Journal of Mathematics</i> , 2014, 54, .	0.3	12
13	Localized energy estimates for wave equations on high-dimensional Schwarzschild space-times. <i>Proceedings of the American Mathematical Society</i> , 2012, 140, 3247-3262.	0.8	8
14	Quasilinear Schrödinger equations I: Small data and quadratic interactions. <i>Advances in Mathematics</i> , 2012, 231, 1151-1172.	1.1	23
15	Global parametrices and dispersive estimates for variable coefficient wave equations. <i>Mathematische Annalen</i> , 2012, 353, 1183-1237.	1.4	59
16	Price's law on nonstationary space-times. <i>Advances in Mathematics</i> , 2012, 230, 995-1028.	1.1	70
17	Global solutions to quasilinear wave equations in homogeneous waveguides with Neumann boundary conditions. <i>Communications on Pure and Applied Analysis</i> , 2012, 11, 547-556.	0.8	0
18	On abstract Strichartz estimates and the Strauss conjecture for nontrapping obstacles. <i>Transactions of the American Mathematical Society</i> , 2010, 362, 2789-2809.	0.9	44

#	ARTICLE	IF	CITATIONS
19	Strichartz Estimates on Schwarzschild Black Hole Backgrounds. Communications in Mathematical Physics, 2010, 293, 37-83.	2.2	76
20	Global existence for high dimensional quasilinear wave equations exterior to star-shaped obstacles. Discrete and Continuous Dynamical Systems, 2010, 28, 1589-1601.	0.9	15
21	Decay Estimates for Variable Coefficient Wave Equations in Exterior Domains. Progress in Nonlinear Differential Equations and Their Application, 2009, , 201-216.	0.9	15
22	Strichartz estimates and local smoothing estimates for asymptotically flat Schrödinger equations. Journal of Functional Analysis, 2008, 255, 1497-1553.	1.4	70
23	Concerning the Strauss Conjecture and Almost Global Existence for Nonlinear Dirichlet-Wave Equations in 4-Dimensions. Communications in Partial Differential Equations, 2008, 33, 1487-1506.	2.2	31
24	Almost global existence for quasilinear wave equations in waveguides with Neumann boundary conditions. Transactions of the American Mathematical Society, 2008, 360, 171-189.	0.9	4
25	Paraproducts in one and several parameters. Forum Mathematicum, 2007, 19, .	0.7	17
26	Wave packet parametrices for evolutions governed by pdo's with rough symbols. Proceedings of the American Mathematical Society, 2007, 136, 597-604.	0.8	13
27	General quasilinear wave equations with localized dissipation in exterior domains. Journal of Differential Equations, 2007, 233, 313-344.	2.2	4
28	Global existence of null-form wave equations in exterior domains. Mathematische Zeitschrift, 2007, 256, 521-549.	0.9	53
29	Global Existence for Dirichlet-wave Equations with Quadratic Nonlinearities in High Dimensions. Mathematische Annalen, 2006, 336, 391-420.	1.4	16
30	Long-Time Existence of Quasilinear Wave Equations Exterior to Star-Shaped Obstacles via Energy Methods. SIAM Journal on Mathematical Analysis, 2006, 38, 188-209.	1.9	72
31	Global existence of quasilinear, nonrelativistic wave equations satisfying the null condition. Japanese Journal of Mathematics, 2005, 31, 391-472.	2.1	23
32	Hyperbolic trapped rays and global existence of quasilinear wave equations. Inventiones Mathematicae, 2005, 159, 75-117.	2.5	40
33	Global Existence of Solutions to Multiple Speed Systems of Quasilinear Wave Equations in Exterior Domains. Forum Mathematicum, 2005, 17, .	0.7	25
34	Nonlinear Hyperbolic Equations in Infinite Homogeneous Waveguides. Communications in Partial Differential Equations, 2005, 30, 643-661.	2.2	20