Achenef Tesfahun

List of Publications by Year
in descending order

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28	262	933447 10	940533 16
papers	citations	h-index	g-index

28	28	28	56
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Finite-Energy Global Well-Posedness of the Maxwellâ€“Kleinâ€“Gordon System in Lorenz Gauge. Communications in Partial Differential Equations, 2010, 35, 1029-1057.	2.2	34
2	On the radius of spatial analyticity for the 1d Diracâ€“Kleinâ€“Gordon equations. Journal of Differential Equations, 2015, 259, 4732-4744.	2.2	28
3	LOW REGULARITY WELL-POSEDNESS OF THE DIRACâ€“KLEINâ€“GORDON EQUATIONS IN ONE SPACE DIMENSION. Communications in Contemporary Mathematics, 2008, 10, 181-194.	1.2	26
4	On the radius of spatial analyticity for cubic nonlinear SchrÃ¶dinger equations. Journal of Differential Equations, 2017, 263, 7496-7512.	2.2	20
5	On the Radius of Spatial Analyticity for the Quartic Generalized KdV Equation. Annales Henri Poincare, 2017, 18, 3553-3564.	1.7	19
6	Global well-posedness of the Chern-Simons-Higgs equations with finite energy. Discrete and Continuous Dynamical Systems, 2013, 33, 2531-2546.	0.9	14
7	Null structure and local well-posedness in the energy class for the Yangâ€“Mills equations in Lorenz gauge. Journal of the European Mathematical Society, 2016, 18, 1729-1752.	1.4	13
8	Asymptotic lower bound for the radius of spatial analyticity to solutions of KdV equation. Communications in Contemporary Mathematics, 2019, 21, 1850061.	1.2	13
9	Small data scattering for semi-relativistic equations with Hartree type nonlinearity. Journal of Differential Equations, 2015, 259, 5510-5532.	2.2	12
10	Local well-posedness of Yangâ€“Mills equations in Lorenz gauge below the energy norm. Nonlinear Differential Equations and Applications, 2015, 22, 849-875.	0.8	11
11	GLOBAL WELL-POSEDNESS OF THE 1D DIRACâ€“KLEINâ€“GORDON SYSTEM IN SOBOLEV SPACES OF NEGATIVE INDEX. Journal of Hyperbolic Differential Equations, 2009, 06, 631-661.	0.5	10
12	Well-Posedness for a Dispersive System of the Whitham--Boussinesq Type. SIAM Journal on Mathematical Analysis, 2020, 52, 2353-2382.	1.9	8
13	Finite Energy Local Well-Posedness for the Yangâ€“Millsâ€“Higgs Equations in Lorenz Gauge. International Mathematics Research Notices, 2015, 2015, 5140-5161.	1.0	7
14	Long-time Behavior of Solutions to Cubic Dirac Equation with Hartree Type Nonlinearity in â„1+2. International Mathematics Research Notices, 2020, 2020, 6489-6538.	1.0	7
15	Remarks on regularity and uniqueness of the Diracâ€“Kleinâ€“Gordon equations in one space dimension. Nonlinear Differential Equations and Applications, 2010, 17, 453-465.	0.8	6
16	Unconditional uniqueness in the charge class for the Diracâ€“Kleinâ€“Gordon equations in two space dimensions. Nonlinear Differential Equations and Applications, 2013, 20, 1055-1063.	0.8	5
17	Remark on the persistence of spatial analyticity for cubic nonlinear SchrÃ¶dinger equation on the circle. Nonlinear Differential Equations and Applications, 2019, 26, 1.	0.8	5
18	Dispersive Estimates for Full Dispersion KP Equations. Journal of Mathematical Fluid Mechanics, 2021, 23, 1.	1.0	5

#	Article	IF	Citations
19	Small Data Scattering for Cubic Dirac Equation with Hartree Type Nonlinearity in $mathbb{R}^{1+3}$. SIAM Journal on Mathematical Analysis, 2020, 52, 2969-3003.	1.9	4
20	Almost critical local well-posedness for the space-time monopole equation in Lorenz gauge. Communications in Contemporary Mathematics, 2015, 17, 1450043.	1.2	3
21	Growth-in-time of higher Sobolev norms of solutions to the 1D Diracâ€“Kleinâ€“Gordon system. Journal of Hyperbolic Differential Equations, 2019, 16, 313-332.	0.5	3
22	On the persistence of spatial analyticity for the beam equation. Journal of Mathematical Analysis and Applications, 2022, 509, 126001.	1.0	3
23	Lower bound on the radius of analyticity of solution for fifth order KdVâ€“BBM equation. Nonlinear Differential Equations and Applications, 2022, 29, 1.	0.8	3
24	Ill-posedness of the Maxwellâ€“Dirac system below charge in space dimension three and lower. Nonlinear Differential Equations and Applications, 2021, 28, 1.	0.8	1
25	Comparison between Boussinesqâ€•and Whithamâ€“Boussinesqâ€†type systems. Mathematical Methods in the Applied Sciences, 0, , .	2.3	1
26	Time-decay estimates for the linearized water wave type equations. Journal of Evolution Equations, 2022, 22, .	1.1	1
27	ON THE MAXWELL-KLEIN-GORDON SYSTEM IN LORENZ GAUGE. , 2010, , .		0
28	Ill-posedness of the Thirring model below the critical regularity. Journal of Mathematical Physics, 2020, 61, 071504.	1.1	0