

# Changhua Wei

## List of Publications by Year in descending order

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19  
papers

88  
citations

1478505

6  
h-index

1474206

9  
g-index

19  
all docs

19  
docs citations

19  
times ranked

27  
citing authors

#	ARTICLE	IF	CITATIONS
1	Global radial solutions to 3D relativistic Euler equations for non-isentropic Chaplygin gases. <i>Mathematische Annalen</i> , 2017, 367, 1363-1401.	1.4	14
2	Stabilizing effect of the power law inflation on isentropic relativistic fluids. <i>Journal of Differential Equations</i> , 2018, 265, 3441-3463.	2.2	14
3	Formation of singularities in one-dimensional Chaplygin gas. <i>Journal of Hyperbolic Differential Equations</i> , 2014, 11, 521-561.	0.5	11
4	Future Stability of the FLRW Spacetime for a Large Class of Perfect Fluids. <i>Annales Henri Poincare</i> , 2021, 22, 715-770.	1.7	9
5	Nonlinear stability of self-gravitating irrotational Chaplygin fluids in a FLRW geometry. <i>Annales De L'Institut Henri Poincare (C) Analyse Non Lineaire</i> , 2021, 38, 787-814.	1.4	7
6	Classical solutions to the relativistic Euler equations for a linearly degenerate equation of state. <i>Journal of Hyperbolic Differential Equations</i> , 2017, 14, 535-563.	0.5	6
7	Boundedness of the total energy of relativistic membranes evolving in a curved spacetime. <i>Journal of Differential Equations</i> , 2018, 265, 312-331.	2.2	5
8	Global existence of smooth solution to relativistic membrane equation with large data. <i>Calculus of Variations and Partial Differential Equations</i> , 2022, 61, 1.	1.7	5
9	Asymptotic profile of global solutions to the generalized double dispersion equation via the nonlinear term. <i>Zeitschrift Fur Angewandte Mathematik Und Physik</i> , 2018, 69, 1.	1.4	4
10	The lifespan of 3D radial solutions to the non-isentropic relativistic Euler equations. <i>Zeitschrift Fur Angewandte Mathematik Und Physik</i> , 2017, 68, 1.	1.4	3
11	Global smooth solutions to 3D irrotational Euler equations for Chaplygin gases. <i>Journal of Hyperbolic Differential Equations</i> , 2020, 17, 613-637.	0.5	3
12	Global existence of smooth solution to 2D relativistic membrane equation in asymptotically flat FLRW spacetime. <i>Mathematical Methods in the Applied Sciences</i> , 2019, 42, 3754-3778.	2.3	2
13	Classical solutions to relativistic Burgers equations in FLRW space-times. <i>Science China Mathematics</i> , 2020, 63, 357-370.	1.7	2
14	Stability of traveling wave for the relativistic string equation in de Sitter spacetime. <i>Journal of Mathematical Physics</i> , 2020, 61, 011503.	1.1	2
15	Classical solution to relativistic Burger's equation in SdS and SAdS space-times. <i>Journal of Mathematical Physics</i> , 2019, 60, .	1.1	1
16	Exact Boundary Controller Design for a Kind of Enhanced Oil Recovery Models. <i>Abstract and Applied Analysis</i> , 2014, 2014, 1-9.	0.7	0
17	Completely linear degeneracy for quasilinear hyperbolic systems. <i>Journal of Mathematical Analysis and Applications</i> , 2018, 465, 318-330.	1.0	0
18	Spreading of the free boundary of relativistic Euler equations in a vacuum. <i>Mathematical Research Letters</i> , 2018, 25, 2017-2033.	0.5	0

#	ARTICLE	IF	CITATIONS
19	Global existence and lifespan of smooth solutions of biwave maps. Journal of Mathematical Physics, 2022, 63, 021502.	1.1	0