

Benoit Pausader

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/2924768/publications.pdf>

Version: 2024-02-01

26
papers

959
citations

430874

18
h-index

642732

23
g-index

27
all docs

27
docs citations

27
times ranked

254
citing authors

#	ARTICLE	IF	CITATIONS
1	Global well-posedness for energy critical fourth-order Schrödinger equations in the radial case. <i>Dynamics of Partial Differential Equations</i> , 2007, 4, 197-225.	0.9	117
2	The cubic fourth-order Schrödinger equation. <i>Journal of Functional Analysis</i> , 2009, 256, 2473-2517.	1.4	101
3	Global Smooth Ion Dynamics in the Euler-Poisson System. <i>Communications in Mathematical Physics</i> , 2011, 303, 89-125.	2.2	91
4	Global solutions of the Euler–Maxwell two-fluid system in 3D. <i>Annals of Mathematics</i> , 2016, 183, 377-498.	4.2	61
5	Global solutions of the gravity-capillary water-wave system in three dimensions. <i>Acta Mathematica</i> , 2017, 219, 213-402.	3.9	54
6	The Euler–Poisson System in 2D: Global Stability of the Constant Equilibrium Solution. <i>International Mathematics Research Notices</i> , 2013, 2013, 761-826.	1.0	51
7	MODIFIED SCATTERING FOR THE CUBIC SCHRÖDINGER EQUATION ON PRODUCT SPACES AND APPLICATIONS. <i>Forum of Mathematics, Pi</i> , 2015, 3, .	2.0	51
8	THE MASS-CRITICAL FOURTH-ORDER SCHRÖDINGER EQUATION IN HIGH DIMENSIONS. <i>Journal of Hyperbolic Differential Equations</i> , 2010, 07, 651-705.	0.5	43
9	Global Well-Posedness of the Energy-Critical Defocusing NLS on $\mathbb{R} \times \mathbb{T}^3$. <i>Communications in Mathematical Physics</i> , 2012, 312, 781-831.	2.2	43
10	On the global well-posedness of energy-critical Schrödinger equations in curved spaces. <i>Analysis and PDE</i> , 2012, 5, 705-746.	1.4	38
11	Global solutions of quasilinear systems of Klein–Gordon equations in 3D. <i>Journal of the European Mathematical Society</i> , 2014, 16, 2355-2431.	1.4	38
12	Scattering and the Levandosky–Strauss conjecture for fourth-order nonlinear wave equations. <i>Journal of Differential Equations</i> , 2007, 241, 237-278.	2.2	37
13	The Euler–Maxwell System for Electrons: Global Solutions in 2D. <i>Archive for Rational Mechanics and Analysis</i> , 2017, 225, 771-871.	2.4	37
14	Scattering theory for the fourth-order Schrödinger equation in low dimensions. <i>Nonlinearity</i> , 2013, 26, 2175-2191.	1.4	36
15	On Scattering for the Quintic Defocusing Nonlinear Schrödinger Equation on $\mathbb{R} \times \mathbb{T}^{2+1}$. <i>Communications on Pure and Applied Mathematics</i> , 2014, 67, 1466-1542.	3.1	28
16	A Paradifferential Approach for Well-Posedness of the Muskat Problem. <i>Archive for Rational Mechanics and Analysis</i> , 2020, 237, 35-100.	2.4	26
17	Nonneutral Global Solutions for the Electron Euler–Poisson System in Three Dimensions. <i>SIAM Journal on Mathematical Analysis</i> , 2013, 45, 267-278.	1.9	23
18	On the Global Regularity for a Wave-Klein–Gordon Coupled System. <i>Acta Mathematica Sinica, English Series</i> , 2019, 35, 933-986.	0.6	23

#	ARTICLE	IF	CITATIONS
19	Global solutions of certain plasma fluid models in three-dimension. Journal of Mathematical Physics, 2014, 55, .	1.1	18
20	The linear profile decomposition for the fourth order Schrödinger equation. Journal of Differential Equations, 2010, 249, 2521-2547.	2.2	12
21	On the Asymptotic Behavior of Solutions to the Vlasov-Poisson System. International Mathematics Research Notices, 0, , .	1.0	10
22	Stability of a Point Charge for the Vlasov-Poisson System: The Radial Case. Communications in Mathematical Physics, 2021, 385, 1741-1769.	2.2	9
23	Topography Influence on the Lake Equations in Bounded Domains. Journal of Mathematical Fluid Mechanics, 2014, 16, 375-406.	1.0	5
24	Scattering Map for the Vlasov-Poisson System. Peking Mathematical Journal, 0, , 1.	1.2	5
25	Global endpoint Strichartz estimates for Schrödinger equations on the cylinder $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline" id="d1e40" altimg="si2.svg" \rangle \langle \text{mml:mrow} \langle \text{mml:mi mathvariant="double-struck" } R \langle \text{mml:mi} \langle \text{mml:mo linebreak="goodbreak" linebreakstyle="after" } \tilde{\Delta} - \langle \text{mml:mo} \langle \text{mml:mi mathvariant="double-struck" } T \langle \text{mml:mi} \langle \text{mml:mrow} \langle \text{mml:math} \rangle \text{. Nonlinear Analysis: Theory, Methods \& Applications, 2021, 206, 112172.}$	1.1	2
26	Erratum to "The profile decomposition for the hyperbolic Schrödinger equation". Illinois Journal of Mathematics, 2021, 65, .	0.1	0