Wei Xiang

List of Publications by Year
in descending order

29	303	840776 11	940533 16
papers	citations	h-index	g-index

29	29	29	61
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Global Instability of Multi-Dimensional Plane Shocks for Isothermal Flow. Acta Mathematica Scientia, 2022, 42, 887-902.	1.0	4
2	Stability of Attached Transonic Shocks in Steady Potential Flow past Three-Dimensional Wedges. Communications in Mathematical Physics, 2021, 387, 111-138.	2.2	5
3	Stability of Transonic Contact Discontinuity for Two-Dimensional Steady Compressible Euler Flows in a Finitely Long Nozzle. Annals of PDE, 2021, 7, 1.	1.8	2
4	Regularity of solutions to time-harmonic Maxwellâ€™s system with various lower than Lipschitz coefficients. Nonlinear Analysis: Theory, Methods & Applications, 2020, 192, 111693.	1.1	1
5	Low Mach number limit of multidimensional steady flows on the airfoil problem. Calculus of Variations and Partial Differential Equations, 2020, 59, 1.	1.7	1
6	Loss of Regularity of Solutions of the Lighthill Problem for Shock Diffraction for Potential Flow. SIAM Journal on Mathematical Analysis, 2020, 52, 1096-1114.	1.9	6
7	Hypersonic similarity for the two dimensional steady potential flow with large data. Annales De L'Institut Henri Poincare (C) Analyse Non Lineaire, 2020, 37, 1379-1423.	1.4	2
8	Convexity of Self-Similar Transonic Shocks and Free Boundaries for the Euler Equations for Potential Flow. Archive for Rational Mechanics and Analysis, 2020, 238, 47-124.	2.4	12
9	Steady incompressible axially symmetric RÃ©thy flows. Nonlinearity, 2020, 33, 4627-4669.	1.4	8
10	Persistence of the Steady Normal Shock Structure for the Unsteady Potential Flow. SIAM Journal on Mathematical Analysis, 2020, 52, 6033-6104.	1.9	3
11	Asymptotic stability of a composite wave of two viscous shock waves for the one-dimensional radiative Euler equations. Annales De L'Institut Henri Poincare (C) Analyse Non Lineaire, 2019, 36, 1-25.	1.4	14
12	Two-phase fluids in collision of incompressible inviscid fluids effluxing from two nozzles. Journal of Differential Equations, 2019, 267, 6783-6830.	2.2	3
13	Steady Euler flows with large vorticity and characteristic discontinuities in arbitrary infinitely long nozzles. Advances in Mathematics, 2019, 346, 946-1008.	1.1	27
14	Asymptotic Stability of Rarefaction Wave for the Inflow Problem Governed by the One-Dimensional Radiative Euler Equations. SIAM Journal on Mathematical Analysis, 2019, 51, 595-625.	1.9	7
15	Compressible subsonic jet flows issuing from a nozzle of arbitrary cross-section. Journal of Differential Equations, 2019, 266, 5318-5359.	2.2	11
16	Incompressible Jet Flows in a de Laval Nozzle with Smooth Detachment. Archive for Rational Mechanics and Analysis, 2019, 232, 1031-1072.	2.4	16
17	Stability of supersonic contact discontinuity for two-dimensional steady compressible Euler flows in a finite nozzle. Journal of Differential Equations, 2019, 266, 4337-4376.	2.2	12
18	Three-Dimensional Steady Supersonic Euler Flow Past a Concave Cornered Wedge with Lower Pressure at the Downstream. Archive for Rational Mechanics and Analysis, 2018, 228, 431-476.	2.4	12

#	Article	IF	Citations
19	Two-dimensional steady supersonic exothermically reacting Euler flows with strong contact discontinuity over a Lipschitz wall. Interfaces and Free Boundaries, 2018, 20, 437-481.	0.8	8
20	Three-Dimensional Full Euler Flows with Nontrivial Swirl in Axisymmetric Nozzles. SIAM Journal on Mathematical Analysis, 2018, 50, 2740-2772.	1.9	17
21	Global structure of admissible solutions of multi-dimensional non-homogeneous scalar conservation law with Riemann-type data. Journal of Differential Equations, 2017, 263, 1055-1078.	2.2	6
22	Incompressible RÃ©thy Flows in Two Dimensions. SIAM Journal on Mathematical Analysis, 2017, 49, 3427-3475.	1.9	16
23	The uniqueness of transonic shocks in supersonic flow past a 2-D wedge. Journal of Mathematical Analysis and Applications, 2016, 437, 194-213.	1.0	13
24	Incompressible limit of solutions of multidimensional steady compressible Euler equations. Zeitschrift Fur Angewandte Mathematik Und Physik, 2016, 67, 1.	1.4	12
25	Shock Diffraction by Convex Cornered Wedges for the Nonlinear Wave System. Archive for Rational Mechanics and Analysis, 2014, 211, 61-112.	2.4	28
26	Existence and Stability of Global Solutions of Shock Diffraction by Wedges for Potential Flow. Springer Proceedings in Mathematics and Statistics, 2014, , 113-142.	0.2	3
27	Weakly Nonlinear Geometric Optics for Hyperbolic Systems of Conservation Laws. Communications in Partial Differential Equations, 2013, 38, 1936-1970.	2.2	5
28	Global Steady Subsonic Flows through Infinitely Long Nozzles for the Full Euler Equations. SIAM Journal on Mathematical Analysis, 2012, 44, 2888-2919.	1.9	49
29	Global solutions of shock reflection by wedges for the nonlinear wave equation. Chinese Annals of Mathematics Series B, 2011, 32, 643-668.	0.4	0