

Hanchun Yang

List of Publications by Year in descending order

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citing authors

#	ARTICLE	IF	CITATIONS
1	On a three-dimensional chemotaxis-Stokes system with nonlinear sensitivity modeling coral fertilization. <i>ZAMM Zeitschrift Fur Angewandte Mathematik Und Mechanik</i> , 2023, 103, .	1.6	1
2	The Perturbed Riemann Problem for a Geometrical Optics System. <i>Communications on Applied Mathematics and Computation</i> , 2023, 5, 1148-1179.	1.7	2
3	Vanishing flux perturbation, pressure, and magnetic field limit in a Chaplygin magnetogasdynamics. <i>Journal of Mathematical Physics</i> , 2022, 63, .	1.1	4
4	On a Two-Dimensional Riemann Problem for Hyperbolic System of Nonlinear Conservation Laws. <i>Acta Applicandae Mathematicae</i> , 2021, 175, 1.	1.0	0
5	Limits of Solutions to the Relativistic Euler Equations for Modified Chaplygin Gas by Flux Approximation. <i>Acta Applicandae Mathematicae</i> , 2020, 169, 1-32.	1.0	7
6	Delta Shock Waves as Flux-Approximation Limit of Solutions to the Modified Chaplygin Gas Equations. <i>Acta Applicandae Mathematicae</i> , 2020, 168, 75-107.	1.0	4
7	Riemann Problem for the Aw-Rascle Model of Traffic Flow with General Pressure. <i>Bulletin of the Malaysian Mathematical Sciences Society</i> , 2020, 43, 3757-3775.	0.9	12
8	Pressureless Magnetohydrodynamics System: Riemann Problem and Vanishing Magnetic Field Limit. <i>Advances in Mathematical Physics</i> , 2020, 2020, 1-13.	0.8	2
9	Riemann problem for the 2D scalar conservation law involving linear fluxes with discontinuous coefficients. <i>Journal of Mathematical Physics</i> , 2020, 61, 111504.	1.1	1
10	Pressure and flux-approximation to the isentropic relativistic Euler equations for modified Chaplygin gas. <i>Journal of Mathematical Physics</i> , 2019, 60, .	1.1	15
11	Biharmonic Maps from Tori into a 2-Sphere. <i>Chinese Annals of Mathematics Series B</i> , 2018, 39, 861-878.	0.4	1
12	Delta-shocks and vacuums as limits of flux approximation for the pressureless type system. <i>Turkish Journal of Mathematics</i> , 2018, 42, 2735-2751.	0.7	0
13	Vanishing pressure and magnetic field limit of solutions to the nonisentropic magnetogasdynamics. <i>ZAMM Zeitschrift Fur Angewandte Mathematik Und Mechanik</i> , 2018, 98, 1472-1492.	1.6	11
14	Concentration in vanishing pressure limit of solutions to the modified Chaplygin gas equations. <i>Journal of Mathematical Physics</i> , 2016, 57, .	1.1	35
15	Flux approximation to the isentropic relativistic Euler equations. <i>Nonlinear Analysis: Theory, Methods & Applications</i> , 2016, 133, 200-227.	1.1	25
16	Flux-approximation limits of solutions to the relativistic Euler equations for polytropic gas. <i>Journal of Mathematical Analysis and Applications</i> , 2016, 435, 1160-1182.	1.0	25
17	Delta-shocks and vacuums in zero-pressure gas dynamics by the flux approximation. <i>Science China Mathematics</i> , 2015, 58, 2329-2346.	1.7	46
18	Concentration and cavitation in the Euler equations for nonisentropic fluids with the flux approximation. <i>Nonlinear Analysis: Theory, Methods & Applications</i> , 2015, 123-124, 158-177.	1.1	14

#	ARTICLE	IF	CITATIONS
19	Two-dimensional Riemann problem involving three contact discontinuities for $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si1.gif" overflow="scroll" \rangle \langle \text{mml:mn} \rangle 2 \langle \text{mml:mn} \rangle \langle \text{mml:mo} \rangle \text{—} \langle \text{mml:mo} \rangle \langle \text{mml:mn} \rangle 2 \langle \text{mml:mn} \rangle \langle \text{mml:math} \rangle$ hyperbolic conservation laws in anisotropic media. <i>Journal of Mathematical Analysis and Applications</i> , 2015, 428, 77-97.	1.0	4
20	Riemann problem for a geometrical optics system. <i>Acta Mathematica Sinica, English Series</i> , 2014, 30, 1846-1860.	0.6	6
21	Delta shock waves with Dirac delta function in both components for systems of conservation laws. <i>Journal of Differential Equations</i> , 2014, 257, 4369-4402.	2.2	52
22	Approaching Chaplygin pressure limit of solutions to the Aw-Rascle model. <i>Journal of Mathematical Analysis and Applications</i> , 2014, 416, 839-854.	1.0	24
23	Biharmonic maps from a 2-sphere. <i>Journal of Geometry and Physics</i> , 2014, 77, 86-96.	1.4	10
24	Delta-shocks and vacuum states in the vanishing pressure limit of solutions to the isentropic Euler equations for modified Chaplygin gas. <i>Journal of Mathematical Analysis and Applications</i> , 2014, 413, 800-820.	1.0	66
25	Two-dimensional Riemann problem involving three $\text{J}\hat{\text{e}}^{\text{TM}}$ s for a hyperbolic system of nonlinear conservation laws. <i>Applied Mathematics and Computation</i> , 2013, 219, 4614-4624.	2.2	6
26	On a Nonsymmetric Keyfitz-Kranzer System of Conservation Laws with Generalized and Modified Chaplygin Gas Pressure Law. <i>Advances in Mathematical Physics</i> , 2013, 2013, 1-14.	0.8	7
27	Two-dimensional Riemann problem for a hyperbolic system of conservation laws in three pieces. <i>Applied Mathematics and Computation</i> , 2012, 219, 1695-1711.	2.2	7
28	Riemann problem for the isentropic relativistic Chaplygin Euler equations. <i>Zeitschrift Fur Angewandte Mathematik Und Physik</i> , 2012, 63, 429-440.	1.4	26
29	New developments of delta shock waves and its applications in systems of conservation laws. <i>Journal of Differential Equations</i> , 2012, 252, 5951-5993.	2.2	122
30	Delta Shock Waves as Limits of Vanishing Viscosity for $\hat{\text{A}}^2$ -D Steady Pressureless Isentropic Flow. <i>Acta Applicandae Mathematicae</i> , 2011, 113, 323-348.	1.0	9
31	Delta shock waves in chromatography equations. <i>Journal of Mathematical Analysis and Applications</i> , 2011, 380, 475-485.	1.0	39
32	Riemann problem for the relativistic Chaplygin Euler equations. <i>Journal of Mathematical Analysis and Applications</i> , 2011, 381, 17-26.	1.0	38
33	Two-dimensional Riemann problems for zero-pressure gas dynamics with three constant states. <i>Journal of Mathematical Analysis and Applications</i> , 2008, 343, 127-140.	1.0	21
34	Interactions between two rarefaction waves for the pressure-gradient equations in the gas dynamics. <i>Applied Mathematics and Computation</i> , 2008, 199, 231-241.	2.2	7
35	The Riemann problem with delta initial data for a class of coupled hyperbolic systems of conservation laws. <i>Nonlinear Analysis: Theory, Methods & Applications</i> , 2007, 67, 3041-3049.	1.1	34
36	On two-dimensional gas expansion for pressure-gradient equations of Euler system. <i>Journal of Mathematical Analysis and Applications</i> , 2004, 298, 523-537.	1.0	9

#	ARTICLE	IF	CITATIONS
37	Delta-shocks as limits of vanishing viscosity for multidimensional zero-pressure gas dynamics. Quarterly of Applied Mathematics, 2001, 59, 315-342.	0.7	48
38	Generalized Plane Delta-Shock Waves for n-Dimensional Zero-Pressure Gas Dynamics. Journal of Mathematical Analysis and Applications, 2001, 260, 18-35.	1.0	31
39	Riemann Problems for a Class of Coupled Hyperbolic Systems of Conservation Laws. Journal of Differential Equations, 1999, 159, 447-484.	2.2	128