

Sivaguru S Sritharan

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/3037362/publications.pdf>

Version: 2024-02-01

34
papers

593
citations

759233

12
h-index

610901

24
g-index

36
all docs

36
docs citations

36
times ranked

172
citing authors

#	ARTICLE	IF	CITATIONS
1	Numerical solution of compressible Euler and Magnetohydrodynamic flow past an infinite cone. Applications in Engineering Science, 2021, 6, 100048.	0.8	0
2	Ideal magnetohydrodynamic equations on a sphere and elliptic-hyperbolic property. Quarterly of Applied Mathematics, 2021, 79, 27-53.	0.7	2
3	Compressible Euler equations on a sphere and elliptic-hyperbolic property. IMA Journal of Applied Mathematics, 2021, 86, 165-187.	1.6	3
4	Frequency truncation method for quasilinear symmetrizable hyperbolic systems. Journal of Analysis, 2020, 28, 117-140.	0.6	0
5	Pontryagin maximum principle for the optimal control of linearized compressible Navier-Stokes equations with state constraints. Evolution Equations and Control Theory, 2020, .	1.3	2
6	Stochastic Navier-Stokes equations perturbed by Lévy noise with hereditary viscosity. Infinite Dimensional Analysis, Quantum Probability and Related Topics, 2019, 22, 1950006.	0.5	9
7	Ergodicity for the 3D stochastic Navier-Stokes equations perturbed by Lévy noise. Mathematische Nachrichten, 2019, 292, 1056-1088.	0.8	10
8	Existence of Optimal Controls for Compressible Viscous Flow. Journal of Mathematical Fluid Mechanics, 2018, 20, 199-211.	1.0	6
9	Stochastic quasilinear evolution equations in UMD Banach spaces. Mathematische Nachrichten, 2017, 290, 1971-1990.	0.8	5
10	Stochastic non-resistive magnetohydrodynamic system with Lévy noise. Random Operators and Stochastic Equations, 2017, 25, .	0.1	12
11	L^p -solutions of the stochastic Navier-Stokes equations subject to Lévy noise with $L^m(\mathbb{R}^m)$ initial data. Evolution Equations and Control Theory, 2017, 6, 409-425.	1.3	9
12	Stochastic Euler equations of fluid dynamics with Lévy noise. Asymptotic Analysis, 2016, 99, 67-103.	0.5	11
13	New methods for local solvability of quasilinear symmetric hyperbolic systems. Evolution Equations and Control Theory, 2016, 5, 273-302.	1.3	5
14	Stochastic Navier-Stokes Equations in Unbounded Channel Domains. Journal of Mathematical Fluid Mechanics, 2015, 17, 47-86.	1.0	2
15	Mild solutions of stochastic Navier-Stokes equation with jump noise in Banach spaces. Mathematische Nachrichten, 2015, 288, 1615-1621.	0.8	12
16	Method for Optimally Controlling Unsteady Shock Strength in One Dimension. AIAA Journal, 2013, 51, 606-614.	2.6	0
17	Nonlinear Filtering of Stochastic Navier-Stokes Equation with Lévy Noise. Stochastic Analysis and Applications, 2013, 31, 381-426.	1.5	20
18	Martingale solutions for stochastic Navier-Stokes equations driven by Lévy noise. Evolution Equations and Control Theory, 2012, 1, 355-392.	1.3	21

#	ARTICLE	IF	CITATIONS
19	Optimal Control of Shock Wave Attenuation using Liquid Water Droplets with Application to Ignition Overpressure in Launch Vehicles. <i>International Journal of Flow Control</i> , 2011, 3, 233-254.	0.4	3
20	Large deviations for the stochastic shell model of turbulence. <i>Nonlinear Differential Equations and Applications</i> , 2009, 16, 493-521.	0.8	24
21	Exact controllability of nonlinear diffusion equations arising in reactor dynamics. <i>Nonlinear Analysis: Real World Applications</i> , 2008, 9, 2029-2054.	1.7	13
22	Controllability and Observability Theory of Certain Parabolic Integrodifferential Equations. <i>Computers and Mathematics With Applications</i> , 2006, 52, 1299-1316.	2.7	6
23	Optimal stopping-time problem for stochastic Navier–Stokes equations and infinite-dimensional variational inequalities. <i>Nonlinear Analysis: Theory, Methods & Applications</i> , 2006, 64, 1018-1024.	1.1	6
24	Exact internal controllability for the two-dimensional Navier–Stokes equations with the Navier slip boundary conditions. <i>Systems and Control Letters</i> , 2006, 55, 1022-1028.	2.3	1
25	Large deviations for the two-dimensional Navier–Stokes equations with multiplicative noise. <i>Stochastic Processes and Their Applications</i> , 2006, 116, 1636-1659.	0.9	153
26	Fluid-Magnetic Splitting of the Magnetohydrodynamic Equations. <i>Mathematical Models and Methods in Applied Sciences</i> , 2003, 13, 893-917.	3.3	2
27	Viscosity Solutions of Dynamic-Programming Equations for the Optimal Control of the Two-Dimensional Navier-Stokes Equations. <i>Archive for Rational Mechanics and Analysis</i> , 2002, 163, 295-327.	2.4	20
28	Stochastic 2-D Navier–Stokes Equation. <i>Applied Mathematics and Optimization</i> , 2002, 46, 31-30.	1.6	112
29	Flow Invariance Preserving Feedback Controllers for the Navier–Stokes Equation. <i>Journal of Mathematical Analysis and Applications</i> , 2001, 255, 281-307.	1.0	37
30	Deterministic and Stochastic Control of Navier–Stokes Equation with Linear, Monotone, and Hyperviscosities. <i>Applied Mathematics and Optimization</i> , 2000, 41, 255-308.	1.6	35
31	Optimal Control Problems with State Constraints in Fluid Mechanics and Combustion. <i>Applied Mathematics and Optimization</i> , 1998, 38, 159-192.	1.6	24
32	On the acceleration of viscous fluid through an unbounded channel. <i>Journal of Mathematical Analysis and Applications</i> , 1992, 168, 255-283.	1.0	9
33	Delta wings with shock-free cross flow. <i>Quarterly of Applied Mathematics</i> , 1985, 43, 275-286.	0.7	7
34	Finite area method for nonlinear supersonic conical flows. <i>AIAA Journal</i> , 1984, 22, 226-233.	2.6	12