

Sivaguru S Sritharan

List of Publications by Year in descending order

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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	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
2	Stochastic 2-D Navier–Stokes Equation. <i>Applied Mathematics and Optimization</i> , 2002, 46, 31-30.	1.6	112
3	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
4	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
5	Optimal Control Problems with State Constraints in Fluid Mechanics and Combustion. <i>Applied Mathematics and Optimization</i> , 1998, 38, 159-192.	1.6	24
6	Large deviations for the stochastic shell model of turbulence. <i>Nonlinear Differential Equations and Applications</i> , 2009, 16, 493-521.	0.8	24
7	Martingale solutions for stochastic Navier-Stokes equations driven by L^2 noise. <i>Evolution Equations and Control Theory</i> , 2012, 1, 355-392.	1.3	21
8	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
9	Nonlinear Filtering of Stochastic Navier-Stokes Equation with L^2 Noise. <i>Stochastic Analysis and Applications</i> , 2013, 31, 381-426.	1.5	20
10	Exact controllability of nonlinear diffusion equations arising in reactor dynamics. <i>Nonlinear Analysis: Real World Applications</i> , 2008, 9, 2029-2054.	1.7	13
11	Finite area method for nonlinear supersonic conical flows. <i>AIAA Journal</i> , 1984, 22, 226-233.	2.6	12
12	Mild solutions of stochastic Navier–Stokes equation with jump noise in \mathbb{R}^n spaces. <i>Mathematische Nachrichten</i> , 2015, 288, 1615-1621.	0.8	12
13	Stochastic non-resistive magnetohydrodynamic system with L^2 noise. <i>Random Operators and Stochastic Equations</i> , 2017, 25, .	0.1	12
14	Stochastic Euler equations of fluid dynamics with L^2 noise. <i>Asymptotic Analysis</i> , 2016, 99, 67-103.	0.5	11
15	Ergodicity for the 3D stochastic Navier–Stokes equations perturbed by L^2 noise. <i>Mathematische Nachrichten</i> , 2019, 292, 1056-1088.	0.8	10
16	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
17	Stochastic Navier–Stokes equations perturbed by L^2 noise with hereditary viscosity. <i>Infinite Dimensional Analysis, Quantum Probability and Related Topics</i> , 2019, 22, 1950006.	0.5	9
18	L^p -solutions of the stochastic Navier-Stokes equations subject to L^m noise with $L^m(\mathbb{R}^m)$ initial data. <i>Evolution Equations and Control Theory</i> , 2017, 6, 409-425.	1.3	9

#	ARTICLE	IF	CITATIONS
19	Delta wings with shock-free cross flow. Quarterly of Applied Mathematics, 1985, 43, 275-286.	0.7	7
20	Controllability and Observability Theory of Certain Parabolic Integrodifferential Equations. Computers and Mathematics With Applications, 2006, 52, 1299-1316.	2.7	6
21	Optimal stopping-time problem for stochastic Navier-Stokes equations and infinite-dimensional variational inequalities. Nonlinear Analysis: Theory, Methods & Applications, 2006, 64, 1018-1024.	1.1	6
22	Existence of Optimal Controls for Compressible Viscous Flow. Journal of Mathematical Fluid Mechanics, 2018, 20, 199-211.	1.0	6
23	Stochastic quasilinear evolution equations in UMD Banach spaces. Mathematische Nachrichten, 2017, 290, 1971-1990.	0.8	5
24	New methods for local solvability of quasilinear symmetric hyperbolic systems. Evolution Equations and Control Theory, 2016, 5, 273-302.	1.3	5
25	Compressible Euler equations on a sphere and elliptic-hyperbolic property. IMA Journal of Applied Mathematics, 2021, 86, 165-187.	1.6	3
26	Optimal Control of Shock Wave Attenuation using Liquid Water Droplets with Application to Ignition Overpressure in Launch Vehicles. International Journal of Flow Control, 2011, 3, 233-254.	0.4	3
27	Fluid-Magnetic Splitting of the Magnetohydrodynamic Equations. Mathematical Models and Methods in Applied Sciences, 2003, 13, 893-917.	3.3	2
28	Stochastic Navier-Stokes Equations in Unbounded Channel Domains. Journal of Mathematical Fluid Mechanics, 2015, 17, 47-86.	1.0	2
29	Ideal magnetohydrodynamic equations on a sphere and elliptic-hyperbolic property. Quarterly of Applied Mathematics, 2021, 79, 27-53.	0.7	2
30	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
31	Exact internal controllability for the two-dimensional Navier-Stokes equations with the Navier slip boundary conditions. Systems and Control Letters, 2006, 55, 1022-1028.	2.3	1
32	Method for Optimally Controlling Unsteady Shock Strength in One Dimension. AIAA Journal, 2013, 51, 606-614.	2.6	0
33	Frequency truncation method for quasilinear symmetrizable hyperbolic systems. Journal of Analysis, 2020, 28, 117-140.	0.6	0
34	Numerical solution of compressible Euler and Magnetohydrodynamic flow past an infinite cone. Applications in Engineering Science, 2021, 6, 100048.	0.8	0