Panagiotis E Souganidis

List of Publications by Year
in descending order

55	1,847	318942	299063
papers	citations	23 h-index	42 g-index

55	55	55	592
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	On first order mean field game systems with a common noise. Annals of Applied Probability, 2022, 32, .	0.6	3
2	Convergence of Deterministic Growth Models. Archive for Rational Mechanics and Analysis, 2022, 245, 863-898.	1.1	1
3	Speed of propagation for Hamiltonâ€“Jacobi equations with multiplicative rough time dependence and convex Hamiltonians. Probability Theory and Related Fields, 2020, 176, 421-448.	0.9	8
4	Brownian fluctuations of flame fronts with small random advection. Mathematical Models and Methods in Applied Sciences, 2020, 30, 1375-1406.	1.7	2
5	New regularity results for Hamiltonâ€“Jacobi equations and long time behavior of pathwise (stochastic) viscosity solutions. Research in Mathematical Sciences, 2020, 7, 1.	0.5	4
6	Front propagation for integro-differential KPP reactionâ€“diffusion equations in periodic media. Nonlinear Differential Equations and Applications, 2019, 26, 1.	0.4	12
7	Pathwise Solutions for Fully Nonlinear First- and Second-Order Partial Differential Equations with Multiplicative Rough Time Dependence. Lecture Notes in Mathematics, 2019, , 75-220.	0.1	5
8	Perturbation problems in homogenization of Hamiltonâ€“Jacobi equations. Journal Des Mathematiques Pures Et Appliquees, 2018, 117, 221-262.	0.8	3
9	Scalar conservation laws: Initial and boundary value problems revisited and saturated solutions. Comptes Rendus Mathematique, 2018, 356, 1167-1178.	0.1	0
10	Longâ€Time Behavior, Invariant Measures, and Regularizing Effects for Stochastic Scalar Conservation Laws. Communications on Pure and Applied Mathematics, 2017, 70, 1562-1597.	1.2	39
11	Eikonal equations and pathwise solutions to fully non-linear SPDEs. Stochastics and Partial Differential Equations: Analysis and Computations, 2017, 5, 256-277.	0.5	7
12	Stochastic non-isotropic degenerate parabolicâ€“hyperbolic equations. Stochastic Processes and Their Applications, 2017, 127, 2961-3004.	0.4	24
13	Stochastic homogenization of viscous superquadratic Hamiltonâ€“Jacobi equations in dynamic random environment. Research in Mathematical Sciences, 2017, 4, 1.	0.5	6
14	Homogenization and non-homogenization of certain non-convex Hamiltonâ€“Jacobi equations. Journal Des Mathematiques Pures Et Appliquees, 2017, 108, 751-782.	0.8	21
15	On the Langevin equation with variable friction. Calculus of Variations and Partial Differential Equations, 2017, 56, 1.	0.9	0
16	The reactive-telegraph equation and a related kinetic model. Nonlinear Differential Equations and Applications, 2017, 24, 1.	0.4	0
17	On the existence of correctors for the stochastic homogenization of viscous Hamiltonâ€“Jacobi equations. Comptes Rendus Mathematique, 2017, 355, 786-794.	0.1	10
18	Semi-discretization for Stochastic Scalar Conservation Laws with Multiple Rough Fluxes. SIAM Journal on Numerical Analysis, 2016, 54, 2187-2209.	1.1	13

#	Article	IF	Citations
19	Free boundary problems for tumor growth: A viscosity solutions approach. Nonlinear Analysis: Theory, Methods & Applications, 2016, 138, 207-228.	0.6	10
20	Stochastic homogenization of interfaces moving with changing sign velocity. Journal of Differential Equations, 2015, 258, 1025-1057.	1.1	5
21	Quantitative homogenization of elliptic partial differential equations with random oscillatory boundary data. Journal Des Mathematiques Pures Et Appliquees, 2015, 103, 958-1002.	0.8	4
22	Periodic approximations of the ergodic constants in the stochastic homogenization of nonlinear second-order (degenerate) equations. Annales De L'Institut Henri Poincare (C) Analyse Non Lineaire, 2015, 32, 571-591.	0.7	2
23	Scalar conservation laws with multiple rough fluxes. Communications in Mathematical Sciences, 2015, 13, 1569-1597.	0.5	29
24	Scalar conservation laws with rough (stochastic) fluxes: the spatially dependent case. Stochastics and Partial Differential Equations: Analysis and Computations, 2014, 2, 517-538.	0.5	17
25	Error estimates and convergence rates for the stochastic homogenization of Hamilton-Jacobi equations. Journal of the American Mathematical Society, 2014, 27, 479-540.	1.9	36
26	Scalar conservation laws with rough (stochastic) fluxes. Stochastics and Partial Differential Equations: Analysis and Computations, 2013, 1, 664-686.	0.5	20
27	Concentration phenomena for neutronic multigroup diffusion in random environments. Annales De L'Institut Henri Poincare (C) Analyse Non Lineaire, 2013, 30, 419-439.	0.7	3
28	Stochastic Homogenization of Level-Set Convex Hamiltonâ€“Jacobi Equations. International Mathematics Research Notices, 2013, 2013, 3420-3449.	0.5	39
29	Homogenization and Enhancement of the Gâ€Equation in Random Environments. Communications on Pure and Applied Mathematics, 2013, 66, 1582-1628.	1.2	19
30	Stochastic homogenization of <mml:math altimg="si1.gif" overflow="scroll" xmlns:xocs="http://www.elsevier.com/xml/xocs/dtd" xmlns:xs="http://www.w3.org/2001/XMLSchema" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" xmlns="http://www.elsevier.com/xml/ja/dtd" xmlns:ja="http://www.elsevier.com/xml/ja/dtd" xmlns:mml="http://www.w3.org/1998/Math/MathML" xmlns:tb="http://www.elsevier.com/xml/common/table/dtd" xmlns:sb="http://www.elsevier.com/xml/common/struct-bib/dtd" xmlns:ce="http://www.elsevier.com/x	0.5	1
31	Stochastic homogenization of Hamiltonâ€“Jacobi and degenerate Bellman equations in unbounded environments. Journal Des Mathematiques Pures Et Appliquees, 2012, 97, 460-504.	0.8	52
32	A homogenization approach to flashing ratchets. Nonlinear Differential Equations and Applications, 2011, 18, 45-58.	0.4	4
33	Convergence of Nonlocal Threshold Dynamics Approximations to Front Propagation. Archive for Rational Mechanics and Analysis, 2010, 195, 1-23.	1.1	65
34	Rates of convergence for the homogenization ofÂfully nonlinear uniformly elliptic pde inÂrandom media. Inventiones Mathematicae, 2010, 180, 301-360.	1.3	69
35	Existence and uniqueness of weak solutions for precipitation fronts: A novel hyperbolic free boundary problem in several space variables. Communications on Pure and Applied Mathematics, 2010, 63, 1351-1361.	1.2	20
36	Stochastic homogenization of Hamilon-Jacobi and "viscous"-Hamilton-Jacobi equations with convex nonlinearities -- Revisited. Communications in Mathematical Sciences, 2010, 8, 627-637.	0.5	34

#	Article	IF	Citations
37	Asymmetric Potentials and Motor Effect: A Large Deviation Approach. Archive for Rational Mechanics and Analysis, 2009, 193, 153-169.	1.1	9
38	Asymmetric potentials and motor effect: a homogenization approach. Annales De L'Institut Henri Poincare (C) Analyse Non Lineaire, 2009, 26, 2055-2071.	0.7	17
39	A rate of convergence for monotone finite difference approximations to fully nonlinear, uniformly elliptic PDEs. Communications on Pure and Applied Mathematics, 2008, 61, 1-17.	1.2	86
40	Homogenization of fully nonlinear, uniformly elliptic and parabolic partial differential equations in stationary ergodic media. Communications on Pure and Applied Mathematics, 2005, 58, 319-361.	1.2	101
41	Homogenization of degenerate second-order PDE in periodic and almost periodic environments and applications. Annales De L'Institut Henri Poincare (C) Analyse Non Lineaire, 2005, 22, 667-677.	0.7	66
42	Large-Time Behavior for Viscous and Nonviscous Hamilton–Jacobi Equations Forced by Additive Noise. SIAM Journal on Mathematical Analysis, 2005, 37, 777-796.	0.9	23
43	Homogenization of â€œViscousâ€•Hamiltonâ€“Jacobi Equations in Stationary Ergodic Media. Communications in Partial Differential Equations, 2005, 30, 335-375.	1.0	94
44	Addendum to: ?Dissipative and Entropy Solutions to Non-Isotropic Degenerate Parabolic Balance Laws?. Archive for Rational Mechanics and Analysis, 2004, 174, 443-447.	1.1	3
45	Correctors for the homogenization of Hamilton-Jacobi equations in the stationary ergodic setting. Communications on Pure and Applied Mathematics, 2003, 56, 1501-1524.	1.2	109
46	Fully nonlinear stochastic pde with semilinear stochastic dependence. Comptes Rendus Mathematique, 2000, 331, 617-624.	0.5	49
47	Uniqueness of weak solutions of fully nonlinear stochastic partial differential equations. Comptes Rendus Mathematique, 2000, 331, 783-790.	0.5	46
48	Threshold dynamics type approximation schemes for propagating fronts. Journal of the Mathematical Society of Japan, 1999, 51, 267.	0.3	50
49	Existence and stability of entropy solutions for the hyperbolic systems of isentropic gas dynamics in Eulerian and Lagrangian coordinates. Communications on Pure and Applied Mathematics, 1998, 49, 599-638.	1.2	233
50	Fully nonlinear stochastic partial differential equations. Comptes Rendus Mathematique, 1998, 326, 1085-1092.	0.5	100
51	Fully nonlinear stochastic partial differential equations: non-smooth equations and applications. Comptes Rendus Mathematique, 1998, 327, 735-741.	0.5	88
52	Generalized motion by mean curvature as a macroscopic limit of stochastic ising models with long range interactions and Glauber dynamics. Communications in Mathematical Physics, 1995, 169, 61-97.	1.0	54
53	Generalized motion of noncompact hypersurfaces with velocity having arbitrary growth on the curvature tensor. Tohoku Mathematical Journal, 1995, 47, 227.	0.4	80
54	Maximal solutions and universal bounds for some partial differential equations of evolution. Archive for Rational Mechanics and Analysis, 1989, 105, 163-190.	1.1	40

#	Article	IF	Citations
55	Stochastic averaging lemmas for kinetic equations. SÃ©minaire Laurent Schwartz â€" EDP Et Applications, 0, , 1-17.	0.0	12