Stephen J Montgomery-Smith

List of Publications by Year
in descending order

51 papers	1,056 citations	361296 20 h-index	434063 31 g-index
54 all docs	54 docs citations	54 times ranked	482 citing authors

#	Article	IF	Citations
1	A Numerical Method to Model Dynamic Behavior of Thin Inextensible Elastic Rods in Three Dimensions. Journal of Computational and Nonlinear Dynamics, 2014, 9, .	0.7	5
2	The best constants for operator Lipschitz functions on Schatten classes. Journal of Functional Analysis, 2014, 267, 3557-3579.	0.7	11
3	Effectiveness of recent fiber-interaction diffusion models for orientation and the part stiffness predictions in injection molded short-fiber reinforced composites. Composites Part A: Applied Science and Manufacturing, 2012, 43, 1959-1970.	3.8	21
4	Exact tensor closures for the three-dimensional Jeffery's equation. Journal of Fluid Mechanics, 2011, 680, 321-335.	1.4	59
5	Perturbations of the coupled Jeffery–Stokes equations. Journal of Fluid Mechanics, 2011, 681, 622-638.	1.4	2
6	The Fast Exact Closure for Jeffery's equation with diffusion. Journal of Non-Newtonian Fluid Mechanics, 2011, 166, 343-353.	1.0	59
7	Rheological Study on Multiple Fiber Suspensions for Fiber Reinforced Composite Materials Processing. , 2011, , .		0
8	Numerical Evaluation of Single Fiber Motion for Short-Fiber-Reinforced Composite Materials Processing. Journal of Manufacturing Science and Engineering, Transactions of the ASME, 2011, 133, .	1.3	24
9	Numerical Evaluation of Single Fiber Motion for Short Fiber Composites Materials Processing. , 2010, , .		1
10	Statistical methods for estimating complexity from competition experiments between two populations. Journal of Theoretical Biology, 2010, 264, 1043-1046.	0.8	4
11	Temperature and heat flux estimation from sampled transient sensor measurements. International Journal of Thermal Sciences, 2010, 49, 2385-2390.	2.6	20
12	Investigation of the Effectiveness and Efficiency of the Exact Closure: Comparison With Industrial Closures and Spherical Harmonic Solutions. , 2010, , .		1
13	A systematic approach to obtaining numerical solutions of Jeffery's type equations using Spherical Harmonics. Composites Part A: Applied Science and Manufacturing, 2010, 41, 827-835.	3.8	22
14	Fast Solutions for the Fiber Orientation of Concentrated Suspensions of Short-Fiber Composites Using the Exact Closure Method. , 2010, , .		0
15	A generalized kinetic model for amine modification of proteins with application to phage display. BioTechniques, 2009, 46, 175-182.	0.8	14
16	On singular integral and martingale transforms. Transactions of the American Mathematical Society, 2009, 362, 553-575.	0.5	63
17	Anisotropic Diffusion Model for Suspensions of Short-Fiber Composite Processes. AIP Conference Proceedings, 2008, , .	0.3	5
18	Spherical Harmonic Solutions of Fiber Orientation Probability Distributions for Composite Processes. AIP Conference Proceedings, 2008, , .	0.3	2

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19	Conditions Implying Regularity of the Three Dimensional Navier-Stokes Equation. Applications of Mathematics, 2005, 50, 451-464.	0.9	37
20	POWER-BOUNDED OPERATORS AND RELATED NORM ESTIMATES. Journal of the London Mathematical Society, 2004, 70, 463-478.	0.5	33
21	Interpolation of Banach Spaces. Handbook of the Geometry of Banach Spaces, 2003, 2, 1131-1175.	0.6	42
22	Rearrangement invariant norms of symmetric sequence norms of independent sequences of random variables. Israel Journal of Mathematics, 2002, 131, 51-60.	0.4	20
23	Finite time blow up for a Navier-Stokes like equation. Proceedings of the American Mathematical Society, 2001, 129, 3025-3029.	0.4	48
24	Measuring the magnitude of sums of independent random variables. Annals of Probability, 2001, 29, 447.	0.8	24
25	A Comparison Inequality for Sums of Independent Random Variables. Journal of Mathematical Analysis and Applications, 2001, 254, 35-42.	0.5	7
26	Decomposition of analytic measures on groups and measure spaces. Studia Mathematica, 2001, 146, 261-284.	0.4	0
27	Embeddings of Rearrangement Invariant Spaces that are not Strictly Singular. Positivity, 2000, 4, 397-402.	0.3	10
28	Stability Radius and Internal Versus External Stability in Banach Spaces: An Evolution Semigroup Approach. SIAM Journal on Control and Optimization, 2000, 38, 1757-1793.	1.1	42
29	Transference in Spaces of Measures. Journal of Functional Analysis, 1999, 165, 1-23.	0.7	2
30	Analytic measures and bochner measurability. Bulletin Des Sciences Mathematiques, 1998, 122, 39-66.	0.5	2
31	Time decay for the bounded mean oscillation of solutions of the Schrödinger and wave equations. Duke Mathematical Journal, 1998, 91, 393.	0.8	57
32	Vector-valued weakly analytic measures. Hokkaido Mathematical Journal, 1998, 27, 457.	0.2	0
33	Concrete Representation of Martingales. Electronic Journal of Probability, 1998, 3, .	0.5	6
34	Hardy Martingales and Jensen's inequality. Bulletin of the Australian Mathematical Society, 1997, 55, 185-195.	0.3	2
35	Best Constants for Uncentred Maximal Functions. Bulletin of the London Mathematical Society, 1997, 29, 60-64.	0.4	57
36	A note on UMD spaces and transference in vector-valued function spaces. Proceedings of the Edinburgh Mathematical Society, 1996, 39, 485-490.	0.2	4

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37	Tangent sequences in Orlicz and rearrangement invariant spaces. Mathematical Proceedings of the Cambridge Philosophical Society, 1996, 119, 91-101.	0.3	8
38	Stability and dichotomy of positive semigroups on L_p. Proceedings of the American Mathematical Society, 1996, 124, 2433-2437.	0.4	5
39	Evolutionary Semigroups and Dichotomy of Linear Skew-Product Flows on Locally Compact Spaces with Banach Fibers. Journal of Differential Equations, 1996, 125, 73-116.	1.1	45
40	Inequalities of correlation type for symmetric stable random vectors. Statistics and Probability Letters, 1996, 28, 91-97.	0.4	6
41	The distribution of non-commutative Rademacher series. Mathematische Annalen, 1995, 302, 395-416.	0.7	4
42	The spectrum of the kinematic dynamo operator for an ideally conducting fluid. Communications in Mathematical Physics, 1995, 173, 379-400.	1.0	7
43	Bounds on the tail probability of ?-statistics and quadratic forms. Bulletin of the American Mathematical Society, 1994, 31, 223-227.	0.8	21
44	Lyapunov theorems for Banach spaces. Bulletin of the American Mathematical Society, 1994, 31, 44-49.	0.8	17
45	Set-functions and factorization. Archiv Der Mathematik, 1993, 61, 183-200.	0.3	18
46	On the distribution of Sidon series. Arkiv for Matematik, 1993, 31, 13-26.	0.2	32
47	The Distribution of Vector-Valued Rademacher Series. Annals of Probability, 1993, 21, .	0.8	24
48	<i>p</i>-Summing operators on injective tensor products of spaces. Proceedings of the Royal Society of Edinburgh Section A: Mathematics, 1992, 120, 283-296.	0.8	14
49	The distribution of Rademacher sums. Proceedings of the American Mathematical Society, 1990, 109, 517-517.	0.4	68
50	Bilinear Transformation of Infinite-Dimensional State-Space Systems and Balanced Realizations of Nonrational Transfer Functions. SIAM Journal on Control and Optimization, 1990, 28, 438-465.	1.1	37
51	The Gaussian cotype of operators from C(K). Israel Journal of Mathematics, 1989, 68, 123-128.	0.4	7