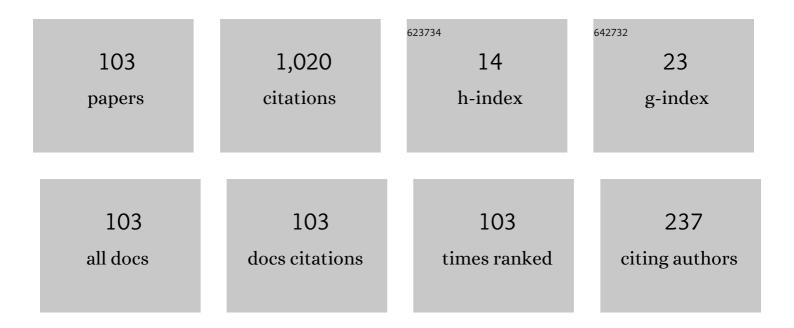
List of Publications by Year in descending order

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MARK S LOSHI

#	Article	IF	CITATIONS
1	Inverse scattering on asymptotically hyperbolic manifolds. Acta Mathematica, 2000, 184, 41-86.	3.9	86
2	A displaced-diffusion stochastic volatility LIBOR market model: motivation, definition and implementation. Quantitative Finance, 2003, 3, 458-469.	1.7	73
3	Rapid and accurate development of prices and Greeks fornth to default credit swaps in the Li model. Quantitative Finance, 2004, 4, 266-275.	1.7	57
4	A JOINT EMPIRICAL AND THEORETICAL INVESTIGATION OF THE MODES OF DEFORMATION OF SWAPTION MATRICES: IMPLICATIONS FOR MODEL CHOICE. International Journal of Theoretical and Applied Finance, 2002, 05, 667-694.	0.5	54
5	Partial proxy simulation schemes for generic and robust Monte Carlo Greeks. Journal of Computational Finance, 2008, 11, 79-106.	0.3	32
6	Rapid computation of drifts in a reduced factor LIBOR market model. Wilmott Magazine, 2003, 2003, 84-85.	0.1	29
7	Recovering asymptotics of metrics from fixed energy scattering data. Inventiones Mathematicae, 1999, 137, 127-143.	2.5	25
8	ACHIEVING HIGHER ORDER CONVERGENCE FOR THE PRICES OF EUROPEAN OPTIONS IN BINOMIAL TREES. Mathematical Finance, 2010, 20, 89-103.	1.8	24
9	A Simple Derivation of and Improvements to Jamshidian's and Rogers' Upper Bound Methods for Bermudan Options. Applied Mathematical Finance, 2007, 14, 197-205.	1.2	23
10	Recovering Asymptotics of Short Range Potentials. Communications in Mathematical Physics, 1998, 193, 197-208.	2.2	22
11	New and robust drift approximations for the LIBOR market model. Quantitative Finance, 2008, 8, 427-434.	1.7	20
12	Graphical Asian options. Wilmott Journal, 2010, 2, 97-107.	0.4	20
13	Bounding Bermudan swaptions in a swap-rate market model. Quantitative Finance, 2002, 2, 370-377.	1.7	20
14	The Wave Group on Asymptotically Hyperbolic Manifolds. Journal of Functional Analysis, 2001, 184, 291-312.	1.4	18
15	FAST MONTE CARLO GREEKS FOR FINANCIAL PRODUCTS WITH DISCONTINUOUS PAYâ€OFFS. Mathematical Finance, 2013, 23, 459-495.	1.8	18
16	Fast and accurate Greeks for the LIBOR Market Model. Journal of Computational Finance, 2011, 14, 115-140.	0.3	18
17	Total determination of material parameters from electromagnetic boundary information. Pacific Journal of Mathematics, 2000, 193, 107-129.	0.5	18
18	Trinomial or binomial: Accelerating American put option price on trees. Journal of Futures Markets, 2009, 29, 826-839.	1.8	17

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19	Flaming logs. Wilmott Journal, 2009, 1, 259-262.	0.4	16
20	Partial Proxy Simulation Schemes for Generic and Robust Monte-Carlo Greeks. SSRN Electronic Journal, 2006, , .	0.4	15
21	Achieving smooth asymptotics for the prices of European options in binomial trees. Quantitative Finance, 2009, 9, 171-176.	1.7	15
22	The convergence of binomial trees for pricing the American put. Journal of Risk, 2009, 11, 87-108.	0.1	15
23	Monte Carlo Bounds for Callable Products with Non-Analytic Break Costs. SSRN Electronic Journal, 0, , .	0.4	15
24	Algorithmic Hessians and the fast computation of cross-gamma risk. IIE Transactions, 2011, 43, 878-892.	2.1	14
25	PERTURBATION STABLE CONDITIONAL ANALYTIC MONTE-CARLO PRICING SCHEME FOR AUTO-CALLABLE PRODUCTS. International Journal of Theoretical and Applied Finance, 2011, 14, 197-219.	0.5	13
26	Practical policy iteration: Generic methods for obtaining rapid and tight bounds for Bermudan exotic derivatives using Monte Carlo simulation. Journal of Economic Dynamics and Control, 2013, 37, 1342-1361.	1.6	13
27	Effective Implementation of Generic Market Models. ASTIN Bulletin, 2007, 37, 453-473.	1.0	12
28	Effective sub-simulation-free upper bounds for the Monte Carlo pricing of callable derivatives and various improvements to existing methodologies. Journal of Economic Dynamics and Control, 2014, 40, 25-45.	1.6	12
29	A symbolic construction of the forward fundamental solution of the wave operator. Communications in Partial Differential Equations, 1998, 23, 1349-1417.	2.2	10
30	Explicitly recovering asymptotics of short range potentials. Communications in Partial Differential Equations, 2000, 25, 1907-1923.	2.2	10
31	Monte Carlo Market Greeks in the Displaced Diffusion LIBOR Market Model. SSRN Electronic Journal, 2010, , .	0.4	10
32	Optimal limit methods for computing sensitivities of discontinuous integrals including triggerable derivative securities. IIE Transactions, 2015, 47, 978-997.	2.1	10
33	Efficient Greek Estimation in Generic Market Models. SSRN Electronic Journal, 0, , .	0.4	10
34	Monte Carlo market Greeks in the displaced diffusion Libor market model. Journal of Risk, 2011, 14, 23-37.	0.1	9
35	Juggling Snowballs. SSRN Electronic Journal, 0, , .	0.4	9
36	Interpolation Schemes in the Displaced-Diffusion LIBOR Market Model and the Efficient Pricing and Greeks for Callable Range Accruals. SSRN Electronic Journal, 0, , .	0.4	9

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37	Effective Implementation of Generic Market Models. ASTIN Bulletin, 2007, 37, 453-473.	1.0	9
38	The Convergence of Binomial Trees for Pricing the American Put. SSRN Electronic Journal, 2007, , .	0.4	8
39	Fast delta computations in the swap-rate market model. Journal of Economic Dynamics and Control, 2011, 35, 764-775.	1.6	8
40	Monte Carlo Bounds for Game Options Including Convertible Bonds. Management Science, 2011, 57, 960-974.	4.1	8
41	LEAST SQUARES MONTE CARLO CREDIT VALUE ADJUSTMENT WITH SMALL AND UNIDIRECTIONAL BIAS. International Journal of Theoretical and Applied Finance, 2016, 19, 1650048.	0.5	8
42	Minimal partial proxy simulation schemes for generic and robust Monte Carlo Greeks. Journal of Computational Finance, 2011, 15, 77-109.	0.3	8
43	Practical Policy Iteration: Generic Methods for Obtaining Rapid and Tight Bounds for Bermudan Exotic Derivatives Using Monte Carlo Simulation. SSRN Electronic Journal, 0, , .	0.4	7
44	FAST AND ACCURATE PRICING AND HEDGING OF LONG-DATED CMS SPREAD OPTIONS. International Journal of Theoretical and Applied Finance, 2010, 13, 839-865.	0.5	7
45	Conditional Analytic Monte-Carlo Pricing Scheme of Auto-Callable Products. SSRN Electronic Journal, 0, , .	0.4	7
46	Fast Delta Computations in the Swap-Rate Market Model. SSRN Electronic Journal, 0, , .	0.4	7
47	Automated Sensitivity Analysis for Bayesian Inference via Markov Chain Monte Carlo: Applications to Gibbs Sampling. SSRN Electronic Journal, 0, , .	0.4	7
48	Recovering Asymptotics of Coulomb-like Potentials from Fixed Energy Scattering Data. SIAM Journal on Mathematical Analysis, 1999, 30, 516-526.	1.9	6
49	Smooth Simultaneous Calibration of the LMM to Caplets and Coterminal Swaptions. SSRN Electronic Journal, 0, , .	0.4	6
50	Truncation and acceleration of the Tian tree for the pricing of American put options. Quantitative Finance, 2012, 12, 1695-1708.	1.7	6
51	An intrinsic characterisation of polyhomogeneous Lagrangian distributions. Proceedings of the American Mathematical Society, 1997, 125, 1537-1543.	0.8	6
52	Fast Monte-Carlo Greeks for Financial Products with Discontinuous Pay-Offs. SSRN Electronic Journal, 0, , .	0.4	6
53	The generation of semilinear singularities by a swallowtail caustic. American Journal of Mathematics, 1998, 120, 529-550.	1.1	5
54	Minimal Partial Proxy Simulation Schemes for Generic and Robust Monte-Carlo Greeks. SSRN Electronic Journal, 2009, , .	0.4	5

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55	Smooth simultaneous calibration of the LMM to caplets and co-terminal swaptions. Quantitative Finance, 2011, 11, 547-558.	1.7	5
56	Optimal Limit Methods for Computing Sensitivities of Discontinuous Integrals Including Triggerable Derivative Securities. SSRN Electronic Journal, 2012, , .	0.4	5
57	Fast and accurate long-stepping simulation of the Heston stochastic volatility model. Journal of Computational Finance, 2013, 16, 47-97.	0.3	5
58	Comparing Discretization of the LIBOR Market Model in the Spot Measure. SSRN Electronic Journal, 0, ,	0.4	5
59	Fast and Accurate Greeks for the Libor Market Model. SSRN Electronic Journal, 2009, , .	0.4	4
60	Efficient Pricing and Greeks in the Cross-Currency LIBOR Market Model. SSRN Electronic Journal, 2010,	0.4	4
61	First and Second Order Greeks in the Heston Model. SSRN Electronic Journal, 2010, , .	0.4	4
62	PRICING AND DELTAS OF DISCRETELY-MONITORED BARRIER OPTIONS USING STRATIFIED SAMPLING ON THE HITTING-TIMES TO THE BARRIER. International Journal of Theoretical and Applied Finance, 2010, 13, 717-750.	0.5	4
63	Improved Sub-Simulation-Free Upper Bounds for the Monte Carlo Pricing of Callable Derivatives and Various Improvements to Existing Methodologies. SSRN Electronic Journal, 2012, , .	0.4	4
64	THE EFFICIENT COMPUTATION OF PRICES AND GREEKS FOR CALLABLE RANGE ACCRUALS USING THE DISPLACED-DIFFUSION LMM. International Journal of Theoretical and Applied Finance, 2014, 17, 1450001.	0.5	4
65	Optimal Partial Proxy Method for Computing Gammas of Financial Products with Discontinuous and Angular Payoffs. Applied Mathematical Finance, 2016, 23, 22-56.	1.2	4
66	Kooderive: Multi-Core Graphics Cards, the Libor Market Model, Least-Squares Monte Carlo and the Pricing of Cancellable Swaps. SSRN Electronic Journal, 0, , .	0.4	4
67	Achieving Higher Order Convergence for the Prices of European Options in Binomial Trees. SSRN Electronic Journal, 0, , .	0.4	4
68	Recovering the total singularity of a conormal potential from backscattering data. Annales De L'Institut Fourier, 1998, 48, 1513-1532.	0.6	4
69	Fast Sensitivity Computations for Monte Carlo Valuation of Pension Funds. SSRN Electronic Journal, 0, , .	0.4	3
70	On the analytical/numerical pricing of American put options against binomial tree prices. Quantitative Finance, 2012, 12, 17-20.	1.7	3
71	Optimal Partial Proxy Method for Computing Gammas of Financial Products with Discontinuous and Angular Payoffs. SSRN Electronic Journal, 2014, , .	0.4	3
72	Addendum to: Multilevel dual approach for pricing American style derivatives. Finance and Stochastics, 2015, 19, 681-684.	1.1	3

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73	Analysing the bias in the primal-dual upper bound method for early exercisable derivatives: bounds, estimation and removal. Quantitative Finance, 2016, 16, 519-533.	1.7	3
74	An exact method for the sensitivity analysis of systems simulated by rejection techniques. European Journal of Operational Research, 2016, 254, 875-888.	5.7	3
75	Achieving decorrelation and speed simultaneously in the Libor market model. Journal of Risk, 2006, 9, 147-153.	0.1	3
76	Trinomial or Binomial: Accelerating American Put Option Price on Trees. SSRN Electronic Journal, 2008, , .	0.4	2
77	Interpolation Schemes in the Displaced-Diffusion LIBOR Market Model. SIAM Journal on Financial Mathematics, 2012, 3, 593-604.	1.3	2
78	Analyzing the Bias in the Primal-Dual Upper Bound Method for Early Exercisable Derivatives: Bounds, Estimation and Removal. SSRN Electronic Journal, 2014, , .	0.4	2
79	Least Squares Monte Carlo Credit Value Adjustment with Small and Unidirectional Bias. SSRN Electronic Journal, 2016, , .	0.4	2
80	An Exact Method for the Sensitivity Analysis of Systems Simulated by Rejection Techniques. SSRN Electronic Journal, 0, , .	0.4	2
81	Monte Carlo Bounds for Game Options Including Convertible Bonds. SSRN Electronic Journal, 0, , .	0.4	2
82	Fast and Accurate Pricing and Hedging of Long-Dated CMS Spread Options. SSRN Electronic Journal, 0, , .	0.4	1
83	Truncation and Acceleration of the Tian Tree for the Pricing of American Put Options. SSRN Electronic Journal, 2010, , .	0.4	1
84	Efficient greek estimation in generic swap-rate market models. Algorithmic Finance, 2011, 1, 17-33.	0.3	1
85	Accelerating Pathwise Greeks in the LIBOR Market Model. SSRN Electronic Journal, 0, , .	0.4	1
86	ACCELERATING PATHWISE GREEKS IN THE LIBOR MARKET MODEL. International Journal of Theoretical and Applied Finance, 2012, 15, 1250012.	0.5	1
87	The Multiplicative Dual for Multiple-Exercise Options. SSRN Electronic Journal, 0, , .	0.4	1
88	An Exact and Efficient Method for Computing Cross-Gammas of Bermudan Swaptions and Cancellable Swaps Under the Libor Market Model. SSRN Electronic Journal, 2014, , .	0.4	1
89	A new class of dual upper bounds for early exercisable derivatives encompassing both the additive and multiplicative bounds. Operations Research Letters, 2015, 43, 581-585.	0.7	1
90	The Use of Power Numeraires in Option Pricing. SSRN Electronic Journal, 2016, , .	0.4	1

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91	THE EFFICIENT COMPUTATION AND THE SENSITIVITY ANALYSIS OF FINITE-TIME RUIN PROBABILITIES AND THE ESTIMATION OF RISK-BASED REGULATORY CAPITAL. ASTIN Bulletin, 2016, 46, 431-467.	1.0	1
92	Non-parametric pricing of long-dated volatility derivatives under stochastic interest rates. Quantitative Finance, 2016, 16, 997-1008.	1.7	1
93	Vega Control. SSRN Electronic Journal, 0, , .	0.4	1
94	A commutator proof of the propagation of polyhomogeneity for semi-linear equations. Communications in Partial Differential Equations, 1997, 22, 435-465.	2.2	0
95	The Robust Computation and the Sensitivity Analysis of Finite-Time Ruin Probabilities and the Estimation of Risk-Based Regulatory Capital. SSRN Electronic Journal, 2014, , .	0.4	0
96	A New Class of Dual Upper Bounds for Early Exercisable Derivatives Encompassing Both the Additive and Multiplicative Bounds. SSRN Electronic Journal, 0, , .	0.4	0
97	The use of power numeraires in option pricing. Operations Research Letters, 2017, 45, 133-138.	0.7	0
98	Using Statistical Estimators to Gain Much Improved Convergence of Nested Monte-Carlo Simulations. SSRN Electronic Journal, 0, , .	0.4	0
99	Sub-Simulation-Free Upper Bounds for Bermudan Derivatives. SSRN Electronic Journal, 0, , .	0.4	0
100	Scattering on stratified media: the microlocal properties of the scattering matrix and recovering asymptotics of perturbations. Annales De L'Institut Fourier, 2003, 53, 565-624.	0.6	0
101	The Rate of Convergence of the Two-State Lattice Model for Pricing Vanilla Options. SSRN Electronic Journal, 0, , .	0.4	0
102	An exact and efficient method for computing cross-Gammas of Bermudan swaptions and cancelable swaps under the Libor market model. Journal of Computational Finance, 0, , .	0.3	0
103	Automated Sensitivity Computations for Bayesian Markov Chain Monte Carlo Inference: A New Approach for Prior Robustness and Convergence Analysis. SSRN Electronic Journal, 0, , .	0.4	Ο