Xiaoping Lu

List of Publications by Year in Descending Order

28 papers	**219** citations	**8** h-index	**14** g-index
32 ext. papers	**255** ext. citations	**2.3** avg, IF	**3.48** L-index

#	Paper	IF	Citations
28	Optimal exercise of American puts with transaction costs under utility maximization. *Applied Mathematics and Computation*, **2022**, 415, 126684	2.7	
27	FINITE MATURITY AMERICAN-STYLE STOCK LOANS WITH REGIME-SWITCHING VOLATILITY. *ANZIAM Journal*, **2021**, 63, 163-177	0.5	
26	A note on the calculation of default probabilities in Structural credit risk modeling with Hawkes jump diffusion processes *Journal of Computational and Applied Mathematics*, **2021**, 381, 113037	2.4	2
25	Utility-indifference pricing of European options with proportional transaction costs. *Journal of Computational and Applied Mathematics*, **2021**, 397, 113639	2.4	2
24	Nonlinear PDE model for European options with transaction costs under Heston stochastic volatility. *Communications in Nonlinear Science and Numerical Simulation*, **2021**, 103, 105986	3.7	1
23	A numerical study of the utility-indifference approach for pricing American options. *Computers and Mathematics With Applications*, **2020**, 80, 894-905	2.7	1
22	Robust Portfolio Optimization with Multi-Factor Stochastic Volatility. *Journal of Optimization Theory and Applications*, **2020**, 186, 264-298	1.6	4
21	Pricing weather derivatives with the market price of risk extracted from the utility indifference valuation. *Computers and Mathematics With Applications*, **2020**, 79, 3394-3409	2.7	3
20	A semi-analytic valuation of American options under a two-state regime-switching economy. *Physica A: Statistical Mechanics and Its Applications*, **2020**, 538, 122968	3.3	8
19	A case study on pricing foreign exchange options using the modified Craig Sneyd ADI scheme. *International Journal of Computer Mathematics*, **2020**, 97, 1320-1338	1.2	4
18	Pricing puttable convertible bonds with integral equation approaches. *Computers and Mathematics With Applications*, **2018**, 75, 2757-2781	2.7	6
17	Pricing American-style Parisian up-and-out call options. *European Journal of Applied Mathematics*, **2018**, 29, 1-29	1	4
16	A new integral equation formulation for American put options. *Quantitative Finance*, **2018**, 18, 483-490	1.6	6
15	PRICING PERPETUAL TIMER OPTION UNDER THE STOCHASTIC VOLATILITY MODEL OF HULL WHITE. *ANZIAM Journal*, **2017**, 58, 406-416	0.5	
14	An integral equation approach for the valuation of American-style down-and-out calls with rebates. *Computers and Mathematics With Applications*, **2016**, 71, 544-564	2.7	4
13	Finite maturity margin call stock loans. *Operations Research Letters*, **2016**, 44, 12-18	1	6
12	AN ANALYTICAL SOLUTION FOR PARISIAN UP-AND-IN CALLS. *ANZIAM Journal*, **2016**, 57, 269-279	0.5	

List of Publications

11	Semi-analytic valuation of stock loans with finite maturity. *Communications in Nonlinear Science and Numerical Simulation*, **2015**, 27, 206-215	3.7	12
10	Pricing Parisian down-and-in options. *Applied Mathematics Letters*, **2015**, 43, 19-24	3.5	5
9	A new exact solution for pricing European options in a two-state regime-switching economy. *Computers and Mathematics With Applications*, **2012**, 64, 2744-2755	2.7	34
8	Dual boundary integral formulation for 2-D crack problems. *Communications in Nonlinear Science and Numerical Simulation*, **2010**, 15, 1682-1690	3.7	2
7	A subregion DRBEM formulation for the dynamic analysis of two-dimensional cracks. *Mathematical and Computer Modelling*, **2006**, 43, 76-88		14
6	A new subregion boundary element technique based on the domain decomposition method. *Engineering Analysis With Boundary Elements*, **2005**, 29, 944-952	2.6	13
5	A combination of LTDRM and ATPS in solving diffusion problems. *Engineering Analysis With Boundary Elements*, **1998**, 21, 285-289	2.6	13
4	Solving linear diffusion equations with the dual reciprocity method in Laplace space. *Engineering Analysis With Boundary Elements*, **1994**, 13, 1-10	2.6	60
3	Stress concentration due to an array or hemispherical cavities at the surface of an elastic half-space. *Journal of Elasticity*, **1992**, 28, 111-122	1.5	3
2	The equivalent elastic compliances of an elastic solid with interface cracks. *International Journal of Mechanical Sciences*, **1990**, 32, 1011-1019	5.5	2
1	The sinusoidal crack. *Engineering Fracture Mechanics*, **1989**, 34, 649-656	4.2	9