# Xuerong Mao

## List of Publications by Citations



| | | | |
|---|---|---|---|
| 305 papers | 14,143 citations | 65 h-index | 111 g-index |
| 312 ext. papers | 16,829 ext. citations | 2.1 avg, IF | 7.24 L-index |

| # | Paper | IF | Citations |
|---|---|---|---|
| 305 | Stochastic Differential Equations with Markovian Switching **2006**, | | 666 |
| 304 | Environmental Brownian noise suppresses explosions in population dynamics. *Stochastic Processes and Their Applications*, **2002**, 97, 95-110 | 1.1 | 563 |
| 303 | Stability of stochastic differential equations with Markovian switching. *Stochastic Processes and Their Applications*, **1999**, 79, 45-67 | 1.1 | 540 |
| 302 | Delay-Dependent $H_{infty }$ Control and Filtering for Uncertain Markovian Jump Systems With Time-Varying Delays. *IEEE Transactions on Circuits and Systems Part 1: Regular Papers*, **2007**, 54, 2070-2077 | | 432 |
| 301 | A Stochastic Differential Equation SIS Epidemic Model. *SIAM Journal on Applied Mathematics*, **2011**, 71, 876-902 | 1.8 | 414 |
| 300 | Strong Convergence of Euler-Type Methods for Nonlinear Stochastic Differential Equations. *SIAM Journal on Numerical Analysis*, **2002**, 40, 1041-1063 | 2.4 | 379 |
| 299 | Exponential stability of stochastic delay interval systems with Markovian switching. *IEEE Transactions on Automatic Control*, **2002**, 47, 1604-1612 | 5.9 | 359 |
| 298 | Stochastic differential equations and applications **2008**, | | 321 |
| 297 | Stability of stochastic delay neural networks. *Journal of the Franklin Institute*, **2001**, 338, 481-495 | 4 | 254 |
| 296 | Population dynamical behavior of non-autonomous Lotka-Volterra competitive system with random perturbation. *Discrete and Continuous Dynamical Systems*, **2009**, 24, 523-545 | 2 | 227 |
| 295 | Competitive Lotka–Volterra population dynamics with jumps. *Nonlinear Analysis: Theory, Methods & Applications*, **2011**, 74, 6601-6616 | 1.3 | 212 |
| 294 | Stochastic population dynamics under regime switching. *Journal of Mathematical Analysis and Applications*, **2007**, 334, 69-84 | 1.1 | 204 |
| 293 | Robust stability and controllability of stochastic differential delay equations with Markovian switching. *Automatica*, **2004**, 40, 343-354 | 5.7 | 202 |
| 292 | Robust stability of uncertain stochastic differential delay equations. *Systems and Control Letters*, **1998**, 35, 325-336 | 2.4 | 196 |
| 291 | A Note on the LaSalle-Type Theorems for Stochastic Differential Delay Equations. *Journal of Mathematical Analysis and Applications*, **2002**, 268, 125-142 | 1.1 | 195 |
| 290 | A stochastic model for internal HIV dynamics. *Journal of Mathematical Analysis and Applications*, **2008**, 341, 1084-1101 | 1.1 | 182 |
| 289 | Asymptotic behaviour of the stochastic Lotka–Volterra model. *Journal of Mathematical Analysis and Applications*, **2003**, 287, 141-156 | 1.1 | 166 |

| | | | |
|---|---|---|---|
| 288 | Stabilization and destabilization of hybrid systems of stochastic differential equations. *Automatica*, **2007**, 43, 264-273 | 5.7 | 162 |
| 287 | Stochastic delay Lotka–Volterra model. *Journal of Mathematical Analysis and Applications*, **2004**, 292, 364-380 | 1.1 | 161 |
| 286 | Sufficient and necessary conditions of stochastic permanence and extinction for stochastic logistic populations under regime switching. *Journal of Mathematical Analysis and Applications*, **2011**, 376, 11-28 | 1.1 | 157 |
| 285 | Stochastic Differential Delay Equations with Markovian Switching. *Bernoulli*, **2000**, 6, 73 | 1.6 | 148 |
| 284 | Stochastic Versions of the LaSalle Theorem. *Journal of Differential Equations*, **1999**, 153, 175-195 | 2.1 | 144 |
| 283 | A stochastic model of AIDS and condom use. *Journal of Mathematical Analysis and Applications*, **2007**, 325, 36-53 | 1.1 | 143 |
| 282 | Exponential stability and instability of stochastic neural networks 1. *Stochastic Analysis and Applications*, **1996**, 14, 165-185 | 1.1 | 142 |
| 281 | Stochastic stabilization and destabilization. *Systems and Control Letters*, **1994**, 23, 279-290 | 2.4 | 141 |
| 280 | Razumikhin-type theorems on exponential stability of stochastic functional differential equations. *Stochastic Processes and Their Applications*, **1996**, 65, 233-250 | 1.1 | 137 |
| 279 | Stabilization and Destabilization of Nonlinear Differential Equations by Noise. *IEEE Transactions on Automatic Control*, **2008**, 53, 683-691 | 5.9 | 129 |
| 278 | Robustness of exponential stability of stochastic differential delay equations. *IEEE Transactions on Automatic Control*, **1996**, 41, 442-447 | 5.9 | 128 |
| 277 | Razumikhin-Type Theorems on Exponential Stability of Neutral Stochastic Differential Equations. *SIAM Journal on Mathematical Analysis*, **1997**, 28, 389-401 | 1.7 | 125 |
| 276 | Numerical solutions of stochastic differential delay equations under local Lipschitz condition. *Journal of Computational and Applied Mathematics*, **2003**, 151, 215-227 | 2.4 | 123 |
| 275 | Adapted solutions of backward stochastic differential equations with non-Lipschitz coefficients. *Stochastic Processes and Their Applications*, **1995**, 58, 281-292 | 1.1 | 121 |
| 274 | Population dynamical behavior of Lotka–Volterra system under regime switching. *Journal of Computational and Applied Mathematics*, **2009**, 232, 427-448 | 2.4 | 118 |
| 273 | Stabilization of continuous-time hybrid stochastic differential equations by discrete-time feedback control. *Automatica*, **2013**, 49, 3677-3681 | 5.7 | 114 |
| 272 | Asymptotic stability in distribution of stochastic differential equations with Markovian switching. *Stochastic Processes and Their Applications*, **2003**, 103, 277-291 | 1.1 | 109 |
| 271 | Stochastic differential delay equations of population dynamics. *Journal of Mathematical Analysis and Applications*, **2005**, 304, 296-320 | 1.1 | 109 |

| | | | |
|---|---|---|---|
| 270 | Almost Sure and Moment Exponential Stability in the Numerical Simulation of Stochastic Differential Equations. *SIAM Journal on Numerical Analysis*, **2007**, 45, 592-609 | 2.4 | 103 |
| 269 | Stationary distribution of stochastic population systems. *Systems and Control Letters*, **2011**, 60, 398-405 | 2.4 | 102 |
| 268 | Almost surely asymptotic stability of neutral stochastic differential delay equations with Markovian switching. *Stochastic Processes and Their Applications*, **2008**, 118, 1385-1406 | 1.1 | 100 |
| 267 | Neutral Stochastic Differential Delay Equations with Markovian Switching. *Stochastic Analysis and Applications*, **2003**, 21, 819-847 | 1.1 | 97 |
| 266 | The truncated Euler–Maruyama method for stochastic differential equations. *Journal of Computational and Applied Mathematics*, **2015**, 290, 370-384 | 2.4 | 95 |
| 265 | On Input-to-State Stability of Stochastic Retarded Systems With Markovian Switching. *IEEE Transactions on Automatic Control*, **2009**, 54, 1898-1902 | 5.9 | 95 |
| 264 | Almost sure exponential stability of numerical solutions for stochastic delay differential equations. *Numerische Mathematik*, **2010**, 115, 681-697 | 2.2 | 95 |
| 263 | Stability Analysis for Continuous-Time Switched Systems With Stochastic Switching Signals. *IEEE Transactions on Automatic Control*, **2018**, 63, 3083-3090 | 5.9 | 94 |
| 262 | Stabilisation of hybrid stochastic differential equations by delay feedback control. *Systems and Control Letters*, **2008**, 57, 927-935 | 2.4 | 94 |
| 261 | The SIS epidemic model with Markovian switching. *Journal of Mathematical Analysis and Applications*, **2012**, 394, 496-516 | 1.1 | 91 |
| 260 | Convergence of Monte Carlo simulations involving the mean-reverting square root process. *Journal of Computational Finance*, **2005**, 8, 35-61 | 1.7 | 90 |
| 259 | Exponential Mean-Square Stability of Numerical Solutions to Stochastic Differential Equations. *LMS Journal of Computation and Mathematics*, **2003**, 6, 297-313 | | 88 |
| 258 | Stochastic population dynamics under regime switching II. *Journal of Mathematical Analysis and Applications*, **2009**, 355, 577-593 | 1.1 | 86 |
| 257 | Stabilization of Hybrid Systems by Feedback Control Based on Discrete-Time State Observations. *SIAM Journal on Control and Optimization*, **2015**, 53, 905-925 | 1.9 | 85 |
| 256 | Stochastic stabilization of hybrid differential equations. *Automatica*, **2012**, 48, 2321-2328 | 5.7 | 83 |
| 255 | Strong convergence and stability of implicit numerical methods for stochastic differential equations with non-globally Lipschitz continuous coefficients. *Journal of Computational and Applied Mathematics*, **2013**, 238, 14-28 | 2.4 | 82 |
| 254 | Extinction and recurrence of multi-group SEIR epidemic models with stochastic perturbations. *Nonlinear Analysis: Real World Applications*, **2013**, 14, 1434-1456 | 2.1 | 81 |
| 253 | Delay-Dependent Exponential Stability of Neutral Stochastic Delay Systems. *IEEE Transactions on Automatic Control*, **2009**, 54, 147-152 | 5.9 | 81 |

| | | | |
|---|---|---|---|
| 252 | New criteria on exponential stability of neutral stochastic differential delay equations. *Systems and Control Letters*, **2006**, 55, 826-834 | 2.4 | 81 |
| 251 | Exponential stability in mean square of neutral stochastic differential functional equations. *Systems and Control Letters*, **1995**, 26, 245-251 | 2.4 | 78 |
| 250 | Stability and stabilisation of stochastic differential delay equations. *IET Control Theory and Applications*, **2007**, 1, 1551-1566 | 2.5 | 77 |
| 249 | Khasminskii-Type Theorems for Stochastic Differential Delay Equations. *Stochastic Analysis and Applications*, **2005**, 23, 1045-1069 | 1.1 | 76 |
| 248 | Stochastic stabilisation of functional differential equations. *Systems and Control Letters*, **2005**, 54, 1069-1081 | 2.4 | 75 |
| 247 | Stabilization of hybrid stochastic differential equations by feedback control based on discrete-time state observations. *Systems and Control Letters*, **2014**, 73, 88-95 | 2.4 | 72 |
| 246 | Stability and boundedness of nonlinear hybrid stochastic differential delay equations. *Systems and Control Letters*, **2013**, 62, 178-187 | 2.4 | 69 |
| 245 | LaSalle-Type Theorems for Stochastic Differential Delay Equations. *Journal of Mathematical Analysis and Applications*, **1999**, 236, 350-369 | 1.1 | 69 |
| 244 | Convergence rates of the truncated Euler–Maruyama method for stochastic differential equations. *Journal of Computational and Applied Mathematics*, **2016**, 296, 362-375 | 2.4 | 66 |
| 243 | Exponential stability of stochastic delay interval systems. *Systems and Control Letters*, **2000**, 40, 171-181 | 2.4 | 66 |
| 242 | Almost Sure Exponential Stabilization by Discrete-Time Stochastic Feedback Control. *IEEE Transactions on Automatic Control*, **2016**, 61, 1619-1624 | 5.9 | 65 |
| 241 | Stability Analysis of Continuous-Time Switched Systems With a Random Switching Signal. *IEEE Transactions on Automatic Control*, **2014**, 59, 180-186 | 5.9 | 65 |
| 240 | Robust Stability and Boundedness of Nonlinear Hybrid Stochastic Differential Delay Equations. *IEEE Transactions on Automatic Control*, **2013**, 58, 2319-2332 | 5.9 | 65 |
| 239 | Noise suppresses or expresses exponential growth. *Systems and Control Letters*, **2008**, 57, 262-270 | 2.4 | 64 |
| 238 | Exponential stability of equidistant Euler–Maruyama approximations of stochastic differential delay equations. *Journal of Computational and Applied Mathematics*, **2007**, 200, 297-316 | 2.4 | 63 |
| 237 | Razumikhin method and exponential stability of hybrid stochastic delay interval systems. *Journal of Mathematical Analysis and Applications*, **2006**, 314, 45-66 | 1.1 | 63 |
| 236 | Stability of Singular Stochastic Systems With Markovian Switching. *IEEE Transactions on Automatic Control*, **2011**, 56, 424-429 | 5.9 | 62 |
| 235 | Almost sure exponential stabilisation of stochastic systems by state-feedback control. *Automatica*, **2008**, 44, 465-471 | 5.7 | 61 |

| | | | |
|---|---|---|---|
| 234 | SMC design for robust H∞ control of uncertain stochastic delay systems. *Automatica*, **2010**, 46, 405-412 | 5.7 | 60 |
| 233 | The improved LaSalle-type theorems for stochastic functional differential equations. *Journal of Mathematical Analysis and Applications*, **2006**, 318, 134-154 | 1.1 | 60 |
| 232 | Strong convergence rates for backward Euler–Maruyama method for non-linear dissipative-type stochastic differential equations with super-linear diffusion coefficients. *Stochastics*, **2013**, 85, 144-171 | 0.6 | 59 |
| 231 | Numerical Solutions of Stochastic Functional Differential Equations. *LMS Journal of Computation and Mathematics*, **2003**, 6, 141-161 | | 59 |
| 230 | A NEW LMI CONDITION FOR DELAY-DEPENDENT ROBUST STABILITY OF STOCHASTIC TIME-DELAY SYSTEMS. *Asian Journal of Control*, **2008**, 7, 419-423 | 1.7 | 58 |
| 229 | Delay dependent stability of highly nonlinear hybrid stochastic systems. *Automatica*, **2017**, 82, 165-170 | 5.7 | 57 |
| 228 | Convergence of the Euler–Maruyama method for stochastic differential equations with Markovian switching. *Mathematics and Computers in Simulation*, **2004**, 64, 223-235 | 3.3 | 56 |
| 227 | Numerical simulation of a strongly nonlinear Ait-Sahalia-type interest rate model. *BIT Numerical Mathematics*, **2011**, 51, 405-425 | 1.7 | 53 |
| 226 | Exponential stability of non-linear stochastic evolution equations. *Stochastic Processes and Their Applications*, **1998**, 78, 173-193 | 1.1 | 50 |
| 225 | Numerical Solutions of Neutral Stochastic Functional Differential Equations. *SIAM Journal on Numerical Analysis*, **2008**, 46, 1821-1841 | 2.4 | 50 |
| 224 | Robust delayed-state-feedback stabilization of uncertain stochastic systems. *Automatica*, **2009**, 45, 1332-1339 | 5.7 | 49 |
| 223 | Analysing multi-level Monte Carlo for options with non-globally Lipschitz payoff. *Finance and Stochastics*, **2009**, 13, 403-413 | 1.9 | 48 |
| 222 | Numerical solutions of stochastic differential delay equations under the generalized Khasminskii-type conditions. *Applied Mathematics and Computation*, **2011**, 217, 5512-5524 | 2.7 | 45 |
| 221 | Almost Sure Exponential Stability of Stochastic Differential Delay Equations. *SIAM Journal on Control and Optimization*, **2016**, 54, 1919-1933 | 1.9 | 43 |
| 220 | Stability in distribution of stochastic differential delay equations with Markovian switching. *Systems and Control Letters*, **2003**, 50, 195-207 | 2.4 | 43 |
| 219 | On stabilization of partial differential equations by noise. *Nagoya Mathematical Journal*, **2001**, 161, 155-170 | 0.6 | 42 |
| 218 | Generalised theory on asymptotic stability and boundedness of stochastic functional differential equations. *Automatica*, **2011**, 47, 2075-2081 | 5.7 | 40 |
| 217 | DELAY POPULATION DYNAMICS AND ENVIRONMENTAL NOISE. *Stochastics and Dynamics*, **2005**, 05, 149-162 | 0.8 | 40 |

| | | | |
|---|---|---|---|
| 216 | Almost sure and moment exponential stability of Euler–Maruyama discretizations for hybrid stochastic differential equations. *Journal of Computational and Applied Mathematics*, **2008**, 213, 127-141 | 2.4 | 38 |
| 215 | Numerical method for stationary distribution of stochastic differential equations with Markovian switching. *Journal of Computational and Applied Mathematics*, **2005**, 174, 1-27 | 2.4 | 38 |
| 214 | Stabilisation of hybrid stochastic differential equations by feedback control based on discrete-time observations of state and mode. *IET Control Theory and Applications*, **2017**, 11, 301-307 | 2.5 | 37 |
| 213 | ALMOST SURE POLYNOMIAL STABILITY FOR A CLASS OF STOCHASTIC DIFFERENTIAL EQUATIONS. *Quarterly Journal of Mathematics*, **1992**, 43, 339-348 | 0.4 | 37 |
| 212 | On Exponential Almost Sure Stability of Random Jump Systems. *IEEE Transactions on Automatic Control*, **2012**, 57, 3064-3077 | 5.9 | 36 |
| 211 | Stability of highly nonlinear neutral stochastic differential delay equations. *Systems and Control Letters*, **2018**, 115, 1-8 | 2.4 | 34 |
| 210 | A note on almost sure asymptotic stability of neutral stochastic delay differential equations with Markovian switching. *Automatica*, **2012**, 48, 2329-2334 | 5.7 | 34 |
| 209 | Mean square stability of stochastic Volterra integro-differential equations. *Systems and Control Letters*, **2006**, 55, 459-465 | 2.4 | 34 |
| 208 | Stochastic dynamics of SIRS epidemic models withrandom perturbation. *Mathematical Biosciences and Engineering*, **2014**, 11, 1003-1025 | 2.1 | 33 |
| 207 | Stabilisation of highly nonlinear hybrid stochastic differential delay equations by delay feedback control. *Automatica*, **2020**, 112, 108657 | 5.7 | 33 |
| 206 | Approximations of Euler–Maruyama type for stochastic differential equations with Markovian switching, under non-Lipschitz conditions. *Journal of Computational and Applied Mathematics*, **2007**, 205, 936-948 | 2.4 | 32 |
| 205 | Stability of Hybrid Stochastic Retarded Systems. *IEEE Transactions on Circuits and Systems I: Regular Papers*, **2008**, 55, 3413-3420 | 3.9 | 31 |
| 204 | On stochastic stabilization of difference equations. *Discrete and Continuous Dynamical Systems*, **2006**, 15, 843-857 | 2 | 31 |
| 203 | Almost sure exponential stability of backward Euler–Maruyama discretizations for hybrid stochastic differential equations. *Journal of Computational and Applied Mathematics*, **2011**, 235, 1213-1226 | 2.4 | 30 |
| 202 | RAZUMIKHIN-TYPE THEOREMS ON STABILITY OF STOCHASTIC NEURAL NETWORKS WITH DELAYS. *Stochastic Analysis and Applications*, **2001**, 19, 85-101 | 1.1 | 30 |
| 201 | On Almost Sure Stability of Hybrid Stochastic Systems With Mode-Dependent Interval Delays. *IEEE Transactions on Automatic Control*, **2010**, 55, 1946-1952 | 5.9 | 29 |
| 200 | Stability of Stochastic Delay Hybrid Systems with Jumps. *European Journal of Control*, **2010**, 16, 595-608 | 2.5 | 29 |
| 199 | Some Contributions to Stochastic Asymptotic Stability and Boundedness via Multiple Lyapunov Functions. *Journal of Mathematical Analysis and Applications*, **2001**, 260, 325-340 | 1.1 | 29 |

| | | | |
|---|---|---|---|
| 198 | Exponential stability of nonlinear differential delay equations. *Systems and Control Letters*, **1996**, 28, 159-165 | 2.4 | 29 |
| 197 | Strong convergence of the stopped Euler–Maruyama method for nonlinear stochastic differential equations. *Applied Mathematics and Computation*, **2013**, 223, 389-400 | 2.7 | 28 |
| 196 | Attraction, stability and boundedness for stochastic differential delay equations. *Nonlinear Analysis: Theory, Methods & Applications*, **2001**, 47, 4795-4806 | 1.3 | 27 |
| 195 | Convergence, non-negativity and stability of a new Milstein scheme with applications to finance. *Discrete and Continuous Dynamical Systems - Series B*, **2013**, 18, 2083-2100 | 1.3 | 26 |
| 194 | A highly sensitive mean-reverting process in finance and the Euler–Maruyama approximations. *Journal of Mathematical Analysis and Applications*, **2008**, 348, 540-554 | 1.1 | 26 |
| 193 | Stochastic Hopfield neural networks. *Journal of Physics A*, **2003**, 36, 2235-2249 | | 26 |
| 192 | The partially truncated Euler–Maruyama method and its stability and boundedness. *Applied Numerical Mathematics*, **2017**, 115, 235-251 | 2.5 | 25 |
| 191 | Exponential stability of stochastic differential delay equations. *Stochastic and Stochastics Reports*, **1997**, 60, 135-153 | | 25 |
| 190 | Stability of stochastic integro differiential equations. *Stochastic Analysis and Applications*, **2000**, 18, 1005-1017 | 1.1 | 25 |
| 189 | Robustness of stability of nonlinear systems with stochastic delay perturbations. *Systems and Control Letters*, **1992**, 19, 391-400 | 2.4 | 25 |
| 188 | Mean Exit Times and the Multilevel Monte Carlo Method. *SIAM-ASA Journal on Uncertainty Quantification*, **2013**, 1, 2-18 | 1.8 | 24 |
| 187 | Analysis on exponential stability of hybrid pantograph stochastic differential equations with highly nonlinear coefficients. *Applied Mathematics and Computation*, **2015**, 263, 73-83 | 2.7 | 22 |
| 186 | The Cox–Ingersoll–Ross model with delay and strong convergence of its Euler–Maruyama approximate solutions. *Applied Numerical Mathematics*, **2009**, 59, 2641-2658 | 2.5 | 22 |
| 185 | Stability of stochastic interval systems with time delays. *Systems and Control Letters*, **2001**, 42, 279-290 | 2.4 | 22 |
| 184 | LARGE TIME DECAY BEHAVIOR OF DYNAMICAL EQUATIONS WITH RANDOM PERTURBATION FEATURES. *Stochastic Analysis and Applications*, **2001**, 19, 295-327 | 1.1 | 22 |
| 183 | Noise suppresses exponential growth under regime switching. *Journal of Mathematical Analysis and Applications*, **2009**, 355, 783-795 | 1.1 | 21 |
| 182 | Stochastic suppression and stabilization of functional differential equations. *Systems and Control Letters*, **2010**, 59, 745-753 | 2.4 | 21 |
| 181 | The adapted solution and comparison theorem for backward stochastic differential equations with Poisson jumps and applications. *Journal of Mathematical Analysis and Applications*, **2008**, 346, 345-358 | 1.1 | 21 |

| | | | |
|---|---|---|---|
| 180 | Euler-Maruyama approximations in mean-reverting stochastic volatility model under regime-switching. *Journal of Applied Mathematics and Stochastic Analysis*, **2006**, 2006, 1-20 | | 21 |
| 179 | Discrete Razumikhin-type technique and stability of the Euler--Maruyama method to stochastic functional differential equations. *Discrete and Continuous Dynamical Systems*, **2013**, 33, 885-903 | 2 | 21 |
| 178 | Stability of highly nonlinear hybrid stochastic integro-differential delay equations. *Nonlinear Analysis: Hybrid Systems*, **2019**, 31, 180-199 | 4.5 | 21 |
| 177 | Stochastic prey-predator system with foraging arena scheme. *Applied Mathematical Modelling*, **2018**, 64, 357-371 | 4.5 | 20 |
| 176 | Structured Robust Stability and Boundedness of Nonlinear Hybrid Delay Systems. *SIAM Journal on Control and Optimization*, **2018**, 56, 2662-2689 | 1.9 | 20 |
| 175 | Boundedness and stability of highly nonlinear hybrid neutral stochastic systems with multiple delays. *Science China Information Sciences*, **2019**, 62, 1 | 3.4 | 20 |
| 174 | Convergence rate of numerical solutions to SFDEs with jumps. *Journal of Computational and Applied Mathematics*, **2011**, 236, 119-131 | 2.4 | 20 |
| 173 | Stability in Distribution of Numerical Solutions for Stochastic Differential Equations. *Stochastic Analysis and Applications*, **2004**, 22, 1133-1150 | 1.1 | 20 |
| 172 | The threshold of a stochastic SIRS epidemic model in a population with varying size. *Discrete and Continuous Dynamical Systems - Series B*, **2015**, 20, 1289-1307 | 1.3 | 20 |
| 171 | Convergence rate and stability of the truncated Euler–Maruyama method for stochastic differential equations. *Journal of Computational and Applied Mathematics*, **2018**, 337, 274-289 | 2.4 | 19 |
| 170 | Constrained Markovian decision processes: the dynamic programming approach. *Operations Research Letters*, **2000**, 27, 119-126 | 1 | 19 |
| 169 | Almost sure exponential stability for delay stochastic differential equations with respect to semimartingales. *Stochastic Analysis and Applications*, **1991**, 9, 177-194 | 1.1 | 19 |
| 168 | Stabilization of stochastic differential equations with Markovian switching by feedback control based on discrete-time state observation with a time delay. *Statistics and Probability Letters*, **2016**, 115, 16-26 | 0.6 | 19 |
| 167 | Explicit numerical approximations for stochastic differential equations in finite and infinite horizons: truncation methods, convergence in pth moment and stability. *IMA Journal of Numerical Analysis*, **2019**, 39, 847-892 | 1.8 | 19 |
| 166 | Stabilization of Highly Nonlinear Hybrid Systems by Feedback Control Based on Discrete-Time State Observations. *IEEE Transactions on Automatic Control*, **2020**, 65, 2899-2912 | 5.9 | 19 |
| 165 | Approximation Methods for Hybrid Diffusion Systems with State-Dependent Switching Processes: Numerical Algorithms and Existence and Uniqueness of Solutions. *SIAM Journal on Mathematical Analysis*, **2010**, 41, 2335-2352 | 1.7 | 18 |
| 164 | Approximate solutions for a class of stochastic evolution equations with variable delays. II. *Numerical Functional Analysis and Optimization*, **1994**, 15, 65-76 | 1 | 18 |
| 163 | A stochastic differential equation SIS epidemic model with two independent Brownian motions. *Journal of Mathematical Analysis and Applications*, **2019**, 474, 1536-1550 | 1.1 | 17 |

| | | | |
|---|---|---|---|
| 162 | The truncated EM method for stochastic differential equations with Poisson jumps. *Journal of Computational and Applied Mathematics*, **2019**, 355, 232-257 | 2.4 | 17 |
| 161 | Almost Sure Exponential Stability in the Numerical Simulation of Stochastic Differential Equations. *SIAM Journal on Numerical Analysis*, **2015**, 53, 370-389 | 2.4 | 17 |
| 160 | Preserving exponential mean-square stability in the simulation of hybrid stochastic differential equations. *Numerische Mathematik*, **2007**, 108, 295-325 | 2.2 | 17 |
| 159 | Existence and uniqueness of the solutions of stochastic differential equations. *Stochastics*, **1983**, 11, 19-32 | | 17 |
| 158 | Exponential Stability of Highly Nonlinear Neutral Pantograph Stochastic Differential Equations. *Asian Journal of Control*, **2020**, 22, 436-448 | 1.7 | 17 |
| 157 | The truncated Milstein method for stochastic differential equations with commutative noise. *Journal of Computational and Applied Mathematics*, **2018**, 338, 298-310 | 2.4 | 16 |
| 156 | Almost sure stabilization of hybrid systems by feedback control based on discrete-time observations of mode and state. *Science China Information Sciences*, **2018**, 61, 1 | 3.4 | 16 |
| 155 | Delay geometric Brownian motion in financial option valuation. *Stochastics*, **2013**, 85, 295-320 | 0.6 | 16 |
| 154 | Noise expresses exponential growth under regime switching. *Systems and Control Letters*, **2009**, 58, 691-699 | 2.4 | 16 |
| 153 | EXPONENTIAL STABILITY FOR STOCHASTIC DIFFERENTIAL DELAY EQUATIONS IN HILBERT SPACES. *Quarterly Journal of Mathematics*, **1991**, 42, 77-85 | 0.4 | 16 |
| 152 | Asymptotic stability and boundedness of stochastic functional differential equations with Markovian switching. *Journal of the Franklin Institute*, **2016**, 353, 4924-4949 | 4 | 16 |
| 151 | Existence, uniqueness and almost surely asymptotic estimations of the solutions to neutral stochastic functional differential equations driven by pure jumps. *Applied Mathematics and Computation*, **2015**, 254, 252-265 | 2.7 | 15 |
| 150 | Spatial heterogeneity and the stability of reaction states in autocatalysis. *Physical Review E*, **2002**, 66, 051915 | 2.4 | 15 |
| 149 | Approximate solutions for a class of stochastic evolution equations with variable delays. *Numerical Functional Analysis and Optimization*, **1991**, 12, 525-533 | 1 | 15 |
| 148 | Existence and uniqueness of the solutions of delay stochastic integral equations. *Stochastic Analysis and Applications*, **1989**, 7, 59-74 | 1.1 | 15 |
| 147 | The truncated Euler–Maruyama method for stochastic differential delay equations. *Numerical Algorithms*, **2018**, 78, 599-624 | 2.1 | 15 |
| 146 | Distributed Information Consensus Filters for Simultaneous Input and State Estimation. *Circuits, Systems, and Signal Processing*, **2013**, 32, 877-888 | 2.2 | 14 |
| 145 | Comparison theorem of one-dimensional stochastic hybrid delay systems. *Systems and Control Letters*, **2008**, 57, 56-63 | 2.4 | 14 |

| | | | |
|---|---|---|---|
| 144 | Stabilization of Hybrid Systems by Feedback Control Based on Discrete-Time State and Mode Observations. *Asian Journal of Control*, **2017**, 19, 1943-1953 | 1.7 | 13 |
| 143 | Stability equivalence between the stochastic differential delay equations driven byG-Brownian motion and the EulerMaruyama method. *Applied Mathematics Letters*, **2019**, 96, 138-146 | 3.5 | 13 |
| 142 | On the averaging principle for stochastic delay differential equations with jumps. *Advances in Difference Equations*, **2015**, 2015, | 3.6 | 13 |
| 141 | On the asymptotic stability and numerical analysis of solutions to nonlinear stochastic differential equations with jumps. *Journal of Computational and Applied Mathematics*, **2016**, 301, 1-15 | 2.4 | 13 |
| 140 | Almost sure exponential stability of the EulerMaruyama approximations for stochastic functional differential equations. *Random Operators and Stochastic Equations*, **2011**, 19, | 0.3 | 13 |
| 139 | A Note on the Rate of Convergence of the EulerMaruyama Method for Stochastic Differential Equations. *Stochastic Analysis and Applications*, **2008**, 26, 325-333 | 1.1 | 13 |
| 138 | Advances in Stabilization of Hybrid Stochastic Differential Equations by Delay Feedback Control. *SIAM Journal on Control and Optimization*, **2020**, 58, 735-754 | 1.9 | 12 |
| 137 | Almost sure exponential stability of hybrid stochastic functional differential equations. *Journal of Mathematical Analysis and Applications*, **2018**, 458, 1390-1408 | 1.1 | 12 |
| 136 | The Improved LaSalle-Type Theorems for Stochastic Differential Delay Equations. *Stochastic Analysis and Applications*, **2012**, 30, 568-589 | 1.1 | 12 |
| 135 | Razumikhin-type theorem for neutral stochastic functional differential equations with unbounded delay. *Acta Mathematica Scientia*, **2011**, 31, 1245-1258 | 0.7 | 12 |
| 134 | Exponential stability of large-scale stochastic differential equations. *Systems and Control Letters*, **1992**, 19, 71-81 | 2.4 | 12 |
| 133 | LEBESGUE-STIELTJES INTEGRAL INEQUALITIES AND STOCHASTIC STABILITIES. *Quarterly Journal of Mathematics*, **1989**, 40, 301-311 | 0.4 | 12 |
| 132 | Khasminskii-type theorems for stochastic functional differential equations. *Discrete and Continuous Dynamical Systems - Series B*, **2013**, 18, 1697-1714 | 1.3 | 12 |
| 131 | Generalized criteria on delay-dependent stability of highly nonlinear hybrid stochastic systems. *International Journal of Robust and Nonlinear Control*, **2019**, 29, 1201-1215 | 3.6 | 12 |
| 130 | Almost sure stability of the EulerMaruyama method with random variable stepsize for stochastic differential equations. *Numerical Algorithms*, **2017**, 74, 573-592 | 2.1 | 11 |
| 129 | Lyapunov exponents of hybrid stochastic heat equations. *Systems and Control Letters*, **2012**, 61, 165-172 | 2.4 | 11 |
| 128 | On the approximations of solutions to neutral SDEs with Markovian switching and jumps under non-Lipschitz conditions. *Applied Mathematics and Computation*, **2014**, 230, 104-119 | 2.7 | 11 |
| 127 | Strong convergence of Monte Carlo simulations of the mean-reverting square root process with jump. *Applied Mathematics and Computation*, **2008**, 206, 494-505 | 2.7 | 11 |

| | | | |
|---|---|---|---|
| 126 | Robust quantised control of hybrid stochastic systems based on discrete-time state and mode observations. *International Journal of Control*, **2019**, 92, 1836-1845 | 1.5 | 11 |
| 125 | Robustly exponential stabilization of hybrid uncertain systems by feedback controls based on discrete-time observations. *Statistics and Probability Letters*, **2015**, 102, 8-16 | 0.6 | 10 |
| 124 | Vehicle density estimation of freeway traffic with unknown boundary demand□supply: an interacting multiple model approach. *IET Control Theory and Applications*, **2015**, 9, 1989-1995 | 2.5 | 10 |
| 123 | Stabilisation by delay feedback control for highly nonlinear neutral stochastic differential equations. *Systems and Control Letters*, **2020**, 137, 104645 | 2.4 | 10 |
| 122 | On pth moment stabilization of hybrid systems by discrete-time feedback control. *Stochastic Analysis and Applications*, **2017**, 35, 803-822 | 1.1 | 10 |
| 121 | On the Almost Sure Running Maxima of Solutions of Affine Stochastic Functional Differential Equations. *SIAM Journal on Mathematical Analysis*, **2010**, 42, 646-678 | 1.7 | 10 |
| 120 | Stationary distributions of Euler□Maruyama-type stochastic difference equations with Markovian switching and their convergence. *Journal of Difference Equations and Applications*, **2005**, 11, 29-48 | 1 | 10 |
| 119 | Numerical stationary distribution and its convergence for nonlinear stochastic differential equations. *Journal of Computational and Applied Mathematics*, **2015**, 276, 16-29 | 2.4 | 9 |
| 118 | Approximate solutions of stochastic differential delay equations with Markovian switching. *Journal of Difference Equations and Applications*, **2010**, 16, 195-207 | 1 | 9 |
| 117 | Stochastic hybrid delay population dynamics: well-posed models and extinction. *Journal of Biological Dynamics*, **2009**, 3, 1-21 | 2.4 | 9 |
| 116 | Geometric Brownian motion with delay: mean square characterisation. *Proceedings of the American Mathematical Society*, **2008**, 137, 339-348 | 0.8 | 9 |
| 115 | ALMOST SURE EXPONENTIAL STABILITY OF DELAY EQUATIONS WITH DAMPED STOCHASTIC PERTURBATION. *Stochastic Analysis and Applications*, **2001**, 19, 67-84 | 1.1 | 9 |
| 114 | On asymptotic behaviour of solutions of stochastic difference equations with volterra type main term. *Stochastic Analysis and Applications*, **2000**, 18, 837-857 | 1.1 | 9 |
| 113 | Exponential stability in mean square for stochastic differential equations. *Stochastic Analysis and Applications*, **1990**, 8, 91-103 | 1.1 | 9 |
| 112 | The existence and asymptotic estimations of solutions to stochastic pantograph equations with diffusion and L□y jumps. *Applied Mathematics and Computation*, **2015**, 268, 883-896 | 2.7 | 8 |
| 111 | Truncated Euler-Maruyama method for classical and time-changed non-autonomous stochastic differential equations. *Applied Numerical Mathematics*, **2020**, 153, 66-81 | 2.5 | 8 |
| 110 | Comments on "An improved Razumikhin-type theorem and its applications" [with reply]. *IEEE Transactions on Automatic Control*, **1997**, 42, 429-430 | 5.9 | 8 |
| 109 | Nonnormality and stochastic differential equations. *BIT Numerical Mathematics*, **2006**, 46, 525-532 | 1.7 | 8 |

| | | | |
|---|---|---|---|
| 108 | On boundedness and stability of solutions of nonlinear difference equation with nonmartingale type noise. *Journal of Difference Equations and Applications*, **2001**, 7, 529-550 | 1 | 8 |
| 107 | Exponential stability for stochastic differential equations with respect to semimartingales. *Stochastic Processes and Their Applications*, **1990**, 35, 267-277 | 1.1 | 8 |
| 106 | The threshold of a stochastic SIRS epidemic model in a population with varying size. *Discrete and Continuous Dynamical Systems - Series B*, **2015**, 20, 1277-1295 | 1.3 | 8 |
| 105 | A Stochastic Differential Equation Model for the Spread of HIV amongst People Who Inject Drugs. *Computational and Mathematical Methods in Medicine*, **2016**, 2016, 6757928 | 2.8 | 8 |
| 104 | A note on the partially truncated Euler–Maruyama method. *Applied Numerical Mathematics*, **2018**, 130, 157-170 | 2.5 | 7 |
| 103 | Razumikhin-type theorem for stochastic functional differential systems via vector Lyapunov function. *Journal of Mathematical Analysis and Applications*, **2019**, 479, 1986-2006 | 1.1 | 7 |
| 102 | Parameter estimation for the stochastic SIS epidemic model. *Statistical Inference for Stochastic Processes*, **2014**, 17, 75-98 | 0.7 | 7 |
| 101 | A note on comparison theorems for stochastic differential equations with respect to semimartingales. *Stochastic and Stochastics Reports*, **1991**, 37, 49-59 | | 7 |
| 100 | Almost sure asymptotic bounds for a class of stochastic differential equations. *Stochastic and Stochastics Reports*, **1992**, 41, 57-69 | | 7 |
| 99 | Polynomial stability for perturbed stochastic differential equations with respect to semimartingales. *Stochastic Processes and Their Applications*, **1992**, 41, 101-116 | 1.1 | 7 |
| 98 | Lyapunov Functions and Almost Sure Exponential Stability of Stochastic Differential Equations Based on Semimartingales with Spatial Parameters. *SIAM Journal on Control and Optimization*, **1990** , 28, 1481-1490 | 1.9 | 7 |
| 97 | Almost sure stability with general decay rate of neutral stochastic pantograph equations with Markovian switching. *Electronic Journal of Qualitative Theory of Differential Equations*, **2019**, 1-17 | 0.5 | 7 |
| 96 | Stochastic delay foraging arena predator–prey system with Markov switching. *Stochastic Analysis and Applications*, **2020**, 38, 191-212 | 1.1 | 7 |
| 95 | Positivity preserving truncated Euler–Maruyama Method for stochastic Lotka–Volterra competition model. *Journal of Computational and Applied Mathematics*, **2021**, 394, 113566 | 2.4 | 7 |
| 94 | Stochastic Lotka-Volterra Competitive Systems with Variable Delay. *Lecture Notes in Computer Science*, **2005**, 238-247 | 0.9 | 7 |
| 93 | Approximate solutions for a class of doubly perturbed stochastic differential equations. *Advances in Difference Equations*, **2018**, 2018, | 3.6 | 6 |
| 92 | Exponential stability of the Euler-Maruyama method for neutral stochastic functional differential equations with jumps. *Science China Information Sciences*, **2018**, 61, 1 | 3.4 | 6 |
| 91 | A stochastic differential equation SIS epidemic model with two correlated Brownian motions. *Nonlinear Dynamics*, **2019**, 97, 2175-2187 | 5 | 6 |

| | | | |
|---|---|---|---|
| 90 | Mean square polynomial stability of numerical solutions to a class of stochastic differential equations. *Statistics and Probability Letters*, **2014**, 92, 173-182 | 0.6 | 6 |
| 89 | The Euler–Maruyama approximation for the asset price in the mean-reverting-theta stochastic volatility model. *Computers and Mathematics With Applications*, **2012**, 64, 2209-2223 | 2.7 | 6 |
| 88 | Theory and application of stability for stochastic reaction diffusion systems. *Science in China Series F: Information Sciences*, **2008**, 51, 158-170 | | 6 |
| 87 | Apporoximate solutions for stochastic differential equations with pathwise uniqueness. *Stochastic Analysis and Applications*, **1994**, 12, 355-367 | 1.1 | 6 |
| 86 | Wave Equation with Stochastic Boundary Values. *Journal of Mathematical Analysis and Applications*, **1993**, 177, 315-341 | 1.1 | 6 |
| 85 | Mathematical modelling of internal HIV dynamics. *Discrete and Continuous Dynamical Systems - Series B*, **2009**, 12, 305-321 | 1.3 | 6 |
| 84 | Stabilisation by delay feedback control for highly nonlinear hybrid stochastic differential equations. *Discrete and Continuous Dynamical Systems - Series B*, **2019**, 24, 4099-4116 | 1.3 | 6 |
| 83 | The asymptotic stability of hybrid stochastic systems with pantograph delay and non-Gaussian Lévy noise. *Journal of the Franklin Institute*, **2020**, 357, 1174-1198 | 4 | 6 |
| 82 | Aperiodic stochastic resonance in neural information processing with Gaussian colored noise. *Cognitive Neurodynamics*, **2021**, 15, 517-532 | 4.2 | 6 |
| 81 | Stability in distribution of stochastic functional differential equations. *Systems and Control Letters*, **2019**, 132, 104513 | 2.4 | 5 |
| 80 | Robust discrete-state-feedback stabilization of hybrid stochastic systems with time-varying delay based on Razumikhin technique. *Statistics and Probability Letters*, **2018**, 139, 152-161 | 0.6 | 5 |
| 79 | Generalized Ait-Sahalia-type interest rate model with Poisson jumps and convergence of the numerical approximation. *Physica A: Statistical Mechanics and Its Applications*, **2019**, 533, 122057 | 3.3 | 5 |
| 78 | Positivity and stabilisation for nonlinear stochastic delay differential equations. *Stochastics*, **2009**, 81, 29-54 | 0.6 | 5 |
| 77 | Switching and Diffusion Models for Gene Regulation Networks. *Multiscale Modeling and Simulation*, **2009**, 8, 30-45 | 1.8 | 5 |
| 76 | Demographic stochasticity in the SDE SIS epidemic model. *Discrete and Continuous Dynamical Systems - Series B*, **2015**, 20, 2859-2884 | 1.3 | 5 |
| 75 | Stationary distribution of stochastic SIRS epidemic model with standard incidence. *Discrete and Continuous Dynamical Systems - Series B*, **2016**, 21, 2363-2378 | 1.3 | 5 |
| 74 | Delay Feedback Control for Switching Diffusion Systems Based on Discrete-Time Observations. *SIAM Journal on Control and Optimization*, **2020**, 58, 2900-2926 | 1.9 | 5 |
| 73 | Hopf bifurcation control for a class of delay differential systems with discrete-time delayed feedback controller. *Chaos*, **2016**, 26, 113120 | 3.3 | 5 |

| | | | |
|---|---|---|---|
| 72 | Basic theory and stability analysis for neutral stochastic functional differential equations with pure jumps. *Science China Information Sciences*, **2019**, 62, 1 | 3.4 | 5 |
| 71 | The truncated Euler–Maruyama method for stochastic differential equations with Hölder diffusion coefficients. *Journal of Computational and Applied Mathematics*, **2020**, 366, 112379 | 2.4 | 5 |
| 70 | On exponential stability of hybrid neutral stochastic differential delay equations with different structures. *Nonlinear Analysis: Hybrid Systems*, **2021**, 39, 100971 | 4.5 | 5 |
| 69 | An averaging principle for neutral stochastic functional differential equations driven by Poisson random measure. *Advances in Difference Equations*, **2016**, 2016, | 3.6 | 4 |
| 68 | Asymptotic moment boundedness of the numerical solutions of stochastic differential equations. *Journal of Computational and Applied Mathematics*, **2013**, 251, 22-32 | 2.4 | 4 |
| 67 | Robust stabilization of hybrid uncertain stochastic systems by discrete-time feedback control. *Optimal Control Applications and Methods*, **2017**, 38, 847-859 | 1.7 | 4 |
| 66 | Numerical approximation of invariant measures for hybrid diffusion systems. *IEEE Transactions on Automatic Control*, **2005**, 50, 934-946 | 5.9 | 4 |
| 65 | Attraction and Stochastic Asymptotic Stability and Boundedness of Stochastic Functional Differential Equations with Respect to Semimartingales. *Stochastic Analysis and Applications*, **2006**, 24, 1169-1184 | 1.1 | 4 |
| 64 | Mean-Square Filtering Problem for Discrete Volterra Equations. *Stochastic Analysis and Applications* , **2004**, 22, 1085-1110 | 1.1 | 4 |
| 63 | Stochastic self-stabilization. *Stochastic and Stochastics Reports*, **1996**, 57, 57-70 | | 4 |
| 62 | Exponential stability for nonlinear stochastic differential equations with respect to semimartingales. *Stochastic and Stochastics Reports*, **1989**, 28, 343-355 | | 4 |
| 61 | Discretization provides a conceptually simple tool to build expression networks. *PLoS ONE*, **2011**, 6, e18634 | 3.7 | 4 |
| 60 | Razumikhin-type theorems on polynomial stability of hybrid stochastic systems with pantograph delay. *Discrete and Continuous Dynamical Systems - Series B*, **2020**, 25, 3217-3232 | 1.3 | 4 |
| 59 | Stabilisation of highly non-linear continuous-time hybrid stochastic differential delay equations by discrete-time feedback control. *IET Control Theory and Applications*, **2020**, 14, 313-323 | 2.5 | 4 |
| 58 | Convergence of the split-step θ-method for stochastic age-dependent population equations with Markovian switching and variable delay. *Applied Numerical Mathematics*, **2019**, 139, 15-37 | 2.5 | 4 |
| 57 | Analysis of a stochastic predator-prey system with foraging arena scheme. *Stochastics*, **2020**, 92, 193-222 | 0.6 | 4 |
| 56 | Hybrid simulation of autoregulation within transcription and translation. *BIT Numerical Mathematics*, **2011**, 51, 177-196 | 1.7 | 3 |
| 55 | Generalized Stochastic Delay Lotka–Volterra Systems. *Stochastic Models*, **2009**, 25, 436-454 | 0.5 | 3 |

| | | | |
|---|---|---|---|
| 54 | Delay-dependent robust stability of stochastic delay systems with Markovian switching. *Journal of Control Theory and Applications*, **2009**, 7, 367-372 | | 3 |
| 53 | Algebraic conditions of stability for Hopfield neural network. *Science in China Series F: Information Sciences*, **2004**, 47, 113 | | 3 |
| 52 | A note on global solution to stochastic differential equation based on a semimartingale with spatial parameters. *Journal of Theoretical Probability*, **1991**, 4, 161-167 | 0.5 | 3 |
| 51 | Energy bounds for nonlinear dissipative stochastic differential equations with respect to semimartingales. *Stochastic and Stochastics Reports*, **1991**, 37, 1-14 | | 3 |
| 50 | EVENTUAL ASYMPTOTIC STABILITY FOR STOCHASTIC DIFFERNTIAL EQUATIONS WITH RESPECT TO SEMIMARTINGALES. *Quarterly Journal of Mathematics*, **1990**, 41, 71-77 | 0.4 | 3 |
| 49 | Advances in the truncated Euler–Maruyama method for stochastic differential delay equations. *Communications on Pure and Applied Analysis*, **2020**, 19, 2081-2100 | 1.9 | 3 |
| 48 | Strong convergence and asymptotic stability of explicit numerical schemes for nonlinear stochastic differential equations. *Mathematics of Computation*, **2021**, 90, 2827-2872 | 1.6 | 3 |
| 47 | A stochastic differential equation SIS epidemic model with regime switching. *Discrete and Continuous Dynamical Systems - Series B*, **2021**, 26, 4887 | 1.3 | 3 |
| 46 | Neutral stochastic functional differential equations with Lévy jumps under the local Lipschitz condition. *Advances in Difference Equations*, **2017**, 2017, | 3.6 | 2 |
| 45 | Scheduling Problems with Due Date Assignment. *Discrete Dynamics in Nature and Society*, **2015**, 2015, 1-2 | 1.1 | 2 |
| 44 | Razumikhin-Type Theorems on Exponential Stability of SDDEs Containing Singularly Perturbed Random Processes. *Abstract and Applied Analysis*, **2013**, 2013, 1-12 | 0.7 | 2 |
| 43 | Approximate Solutions of Hybrid Stochastic Pantograph Equations with Levy Jumps. *Abstract and Applied Analysis*, **2013**, 2013, 1-15 | 0.7 | 2 |
| 42 | Correction to: "Delay-Dependent Exponential Stability of Neutral Stochastic Delay Systems" [Jan 09 147-152]. *IEEE Transactions on Automatic Control*, **2009**, 54, 1733-1733 | 5.9 | 2 |
| 41 | Uncertainty and economic growth in a stochastic R&D model. *Economic Modelling*, **2008**, 25, 1306-1317 | 3.4 | 2 |
| 40 | On pathwise super-exponential decay rates of solutions of scalar nonlinear stochastic differential equations. *Stochastics*, **2005**, 77, 241-269 | 0.6 | 2 |
| 39 | On a Boundary Value Problem in the Filtering Theory for Discrete Volterra Equations. *Stochastic Analysis and Applications*, **2005**, 23, 999-1016 | 1.1 | 2 |
| 38 | Approximate solutions for a class of delay stochastic differential equations. *Stochastic and Stochastics Reports*, **1991**, 35, 111-123 | | 2 |
| 37 | STABILITY ANALYSIS OF HIGHLY NONLINEAR HYBRID MULTIPLE-DELAY STOCHASTIC DIFFERENTIAL EQUATIONS. *Journal of Applied Analysis and Computation*, **2019**, 9, 1053-1070 | 0.4 | 2 |

| | | | |
|---|---|---|---|
| 36 | Asymptotic boundedness and stability of solutions to hybrid stochastic differential equations with jumps and the Euler-Maruyama approximation. *Discrete and Continuous Dynamical Systems - Series B* , **2019**, 24, 587-613 | 1.3 | 2 |
| 35 | The averaging method for multivalued SDEs with jumps and non-Lipschitz coefficients. *Discrete and Continuous Dynamical Systems - Series B*, **2017**, 22, 1-18 | 1.3 | 2 |
| 34 | Almost Sure Exponential Stability of Neutral Differential Difference Equations with Damped Stochastic Perturbations. *Electronic Journal of Probability*, **1996**, 1, | 1.1 | 2 |
| 33 | Exponential stabilization by delay feedback control for highly nonlinear hybrid stochastic functional differential equations with infinite delay. *Nonlinear Analysis: Hybrid Systems*, **2021**, 40, 101026 | 4.5 | 2 |
| 32 | Stabilization and destabilization of hybrid systems by periodic stochastic controls. *Systems and Control Letters*, **2021**, 152, 104929 | 2.4 | 2 |
| 31 | Tamed EM schemes for neutral stochastic differential delay equations with superlinear diffusion coefficients. *Journal of Computational and Applied Mathematics*, **2021**, 388, 113269 | 2.4 | 2 |
| 30 | Stabilization by intermittent control for hybrid stochastic differential delay equations. *Discrete and Continuous Dynamical Systems - Series B*, **2021**, 0-0 | 1.3 | 2 |
| 29 | Stabilisation in Distribution by Delay Feedback Control for Hybrid Stochastic Differential Equations. *IEEE Transactions on Automatic Control*, **2021**, 1-1 | 5.9 | 2 |
| 28 | Stabilization of hybrid systems by intermittent feedback controls based on discrete-time observations with a time delay. *IET Control Theory and Applications*, **2021**, 15, 2039-2052 | 2.5 | 2 |
| 27 | Corrigendum to: Explicit numerical approximations for stochastic differential equations in finite and infinite horizons: truncation methods, convergence in pth moment and stability. *IMA Journal of Numerical Analysis*, **2019**, 39, 2168-2168 | 1.8 | 1 |
| 26 | Neurodynamic System Theory and Applications. *Abstract and Applied Analysis*, **2013**, 2013, 1-1 | 0.7 | 1 |
| 25 | ASYMPTOTIC BEHAVIOURS OF STOCHASTIC DIFFERENTIAL DELAY EQUATIONS. *Asian Journal of Control*, **2008**, 8, 21-27 | 1.7 | 1 |
| 24 | Asymptotic Stability and Boundedness of Stochastic Differential Equations with Respect to Semimartingales. *Stochastic Analysis and Applications*, **2003**, 21, 737-751 | 1.1 | 1 |
| 23 | Splash effect and ergodic properties of solution of the classic difference-differential equation. *Journal of Difference Equations and Applications*, **2000**, 6, 319-328 | 1 | 1 |
| 22 | Solutions of stochastic differential-functional equations via bounded stochastic integral contractors. *Journal of Theoretical Probability*, **1992**, 5, 487-502 | 0.5 | 1 |
| 21 | A note on random fixed point theorem in probabilistic analysis. *Stochastic Analysis and Applications*, **1988**, 6, 305-326 | 1.1 | 1 |
| 20 | Discrete feedback control for highly nonlinear neutral stochastic delay differential equations with Markovian switching. *Information Sciences*, **2022**, 592, 123-136 | 7.7 | 1 |
| 19 | Exponential stabilisation of continuous-time periodic stochastic systems by feedback control based on periodic discrete-time observations. *IET Control Theory and Applications*, **2020**, 14, 909-919 | 2.5 | 1 |

| | | | |
|---|---|---|---|
| 18 | Advances in stabilization of highly nonlinear hybrid delay systems. *Automatica*, **2022**, 136, 110086 | 5.7 | 1 |
| 17 | A NOTE ON EXPONENTIAL ALMOST SURE STABILITY OF STOCHASTIC DIFFERENTIAL EQUATION. *Bulletin of the Korean Mathematical Society*, **2014**, 51, 221-227 | | 1 |
| 16 | Truncated EM numerical method for generalised Ait-Sahalia-type interest rate model with delay. *Journal of Computational and Applied Mathematics*, **2021**, 383, 113137 | 2.4 | 1 |
| 15 | Research on dynamic response of explosion containment vessels. *Journal of Intelligent and Fuzzy Systems*, **2018**, 34, 1225-1234 | 1.6 | 1 |
| 14 | Stochastic Hybrid Delay Population Dynamics. *Lecture Notes in Computer Science*, **2006**, 436-450 | 0.9 | 1 |
| 13 | Stabilisation in distribution of hybrid stochastic differential equations by feedback control based on discrete-time state observations. *Automatica*, **2022**, 110210 | 5.7 | 1 |
| 12 | Stabilization of nonlinear hybrid stochastic delay systems by feedback control based on discrete-time state and mode observations. *Applicable Analysis*, **2020**, 1-24 | 0.8 | 0 |
| 11 | Almost sure exponential stability for a class of stochastic differential equations with applications to stochastic flows. *Stochastic Analysis and Applications*, **1993**, 11, 77-95 | 1.1 | 0 |
| 10 | Delay-dependent Asymptotic Stability of Highly Nonlinear Stochastic Differential Delay Equations Driven by G-Brownian Motion. *Journal of the Franklin Institute*, **2022**, 359, 4366-4366 | 4 | 0 |
| 9 | Multi-level Monte Carlo methods with the truncated Euler–Maruyama scheme for stochastic differential equations. *International Journal of Computer Mathematics*, **2018**, 95, 1715-1726 | 1.2 | |
| 8 | Mean percentage of returns for stock market linked savings accounts. *Applied Mathematics and Computation*, **2016**, 273, 1130-1147 | 2.7 | |
| 7 | STABILITY OF SINGULAR JUMP-LINEAR SYSTEMS WITH A LARGE STATE SPACE: A TWO-TIME-SCALE APPROACH. *ANZIAM Journal*, **2011**, 52, 372-390 | 0.5 | |
| 6 | Backward stochastic differential equations and quasilinear partial differential equations **1995**, 189-208 | | |
| 5 | Eventual uniform asymptotic stability for stochastic differential equation based on semimartingale with spatial parameter. *Journal of Theoretical Probability*, **1991**, 4, 441-456 | 0.5 | |
| 4 | Lyapunov functions and almost sure exponential stability. *Lecture Notes in Mathematics*, **1991**, 165-177 | 0.4 | |
| 3 | Common random fixed point theorems in probabilistic analysis. *Stochastic Analysis and Applications*, **1989**, 7, 435-449 | 1.1 | |
| 2 | Successive approximation of solutions to doubly perturbed stochastic differential equations with jumps. *Electronic Journal of Qualitative Theory of Differential Equations*, **2017**, 1-19 | 0.5 | |
| 1 | Stabilisation of hybrid system with different structures by feedback control based on discrete-time state observations. *Nonlinear Analysis: Hybrid Systems*, **2022**, 45, 101198 | 4.5 | |