

Publication List

Refereed Journal Articles

1. Q. Wang and X. Liu, Impulsive Stabilization of Cellular Neural Networks with Time Delay via Lyapunov Functionals, *Journal of Nonlinear Sciences and its Applications*, 1(2008), no. 2, 72-86.
2. X. Liu and Q. Wang, Impulsive Stabilization of High-Order Hopfield-Type Neural Networks with Time-varying Delays, *IEEE Transactions on Neural Networks*, 19(2008), no. 1, 71-79.
3. X. Liu, X. Shen, Y. Zhang, and Q. Wang, Stability Criteria for Impulsive Systems with Time Delay and Unstable System Matrices, *IEEE Transactions on Circuit and Systems I*, 54(2007), 2288-2298.
4. Q. Wang and X. Liu, Exponential Stability of Impulsive Cellular Neural Networks with Time Delay via Lyapunov Functionals, *Applied Mathematics and Computation*, 194(2007), 186-198.
5. Q. Wang and X. Liu, Impulsive Stabilization of Delay Differential System via the Lyapunov-Razumikhin Method, *Applied Mathematics Letters*, 20(2007), no. 8, 839-845.
6. X. Liu and Q. Wang, The Method of Lyapunov Functionals and Exponential Stability of Impulsive Systems with Time Delay, *Nonlinear Analysis*, 66(2007), 1465-1484.
7. X. Liu and Q. Wang, On Stability in Terms of Two Measures for Impulsive Systems of Functional Differential Equations, *Journal of Mathematical Analysis and Applications*, 326(2007), 252-265.
8. Q. Wang and X. Liu, Razumikhin Technique via Two Lyapunov Functions and Applications to Votka-Volterra Systems with Time Delay and Impulsive Effects, *Dynamic Systems and Applications*, 15(2006), 617-628.
9. X. Liu and Q. Wang, Stability of Nontrivial Solution of Delay Differential Equations with State-dependent Impulses, *Applied Mathematics and Computation*, 174(2006), 271-288.
10. J. Shen, J. Li, and Q. Wang, Boundedness and Periodicity in Impulsive Ordinary and Functional Differential Equations, *Nonlinear Analysis*, 65(2006), 1986-2002.

11. B. Liu, X. Liu, K. Teo, and Q. Wang, Razumikhin-type Theorems on Exponential Stability of Impulsive Delay Systems, *IMA Journal of Applied Mathematics*, 71(2006), 47-61.
12. Q. Wang and X. Liu, Exponential Stability for Impulsive Delay Differential Equations by Razumikhin Method, *Journal of Mathematical Analysis and Applications*, 309(2005), 462-473.
13. Q. Wang, J. Shen, and X. Liu, Lipschitz Stability of Impulsive Functional Differential Equations by Razumikhin Method, *Nonlinear Functional Analysis and Applications*, 10-4(2005), 613-628.
14. Q. Wang and J. Shen, Oscillation Criteria for Delay Equations with Piecewise Constant Argument, *Acta Sci. Natur. Univ. Norm. Hunan*, 23(2000), 6-11.

Refereed Conference Articles

15. Q. Wang and W. Liao, Stability Analysis of Impulsive BAM Neural Networks with Delays, *Proceedings of the 6th International Conference on Differential Equations and Dynamical Systems*, DCDIS A Supplement, Watam Press, 2009, 127-132.
16. X. Liu and Q. Wang, Boundedness of Solutions of Functional Differential Equations with State-dependent Impulses, *Proceedings of the Conference on Differential & Difference Equations and Applications*, Hindawi Publishing Corporation, 2006, 699-710.
17. Q. Wang and X. Liu, Global Exponential Stability of Impulsive High Order Hopfield Type Neural Networks with Delays, *Proceedings of the Fourth International DSDIC Conference on Engineering Applications and Computational Algorithms*, Watam Press, 2005, 825-830.

Other Publications

18. W. Liao, Q. Wang, and Z. Wang, ECCAD Poster Abstracts, *ACM Communications in Computer Algebra*, Vol. 42, No. 2, 67-91, June 2008.

Submitted Articles

19. Q. Wang and X. Liu, Stability Criteria of a Class of Nonlinear Impulsive Switching Systems with Variable Time Delays.

20. Q. Wang and Quanxin Zhu, Razumikhin-Type Stability Criteria for Differential Equations with Delayed Impulses.
21. Quanxin Zhu and Q. Wang, Impulsive Stabilization of Stochastic Functional Equations via the Lyapunov-Razumikhin Method.
22. Q. Wang and Zhijun Wang, Global Exponential Stability of a Class of Nonlinear Differential Equations with Delayed Impulses.
23. Zhijun Wang and Q. Wang, Simulation of SARS Model with Impulsive Control Describing Spread and Control Patterns of SARS Virus.