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所有發表期刊論文

1. T. S. Hsu\* and H. L. Lin, "Multiplicity of positive solutions for a  $p$ - $q$ -Laplacian type equation with critical nonlinearities", **Abstract and Applied Analysis**, (2012), Article ID 829069, 9 pages. **SCI**
2. H. L. Lin\*, "Multiple positive solutions for semilinear elliptic systems involving subcritical nonlinearities in  $R^N$ ", **Boundary Value Problems**, 2012:118, (2012), 1-28. **SCI**
3. H. L. Lin\*, "Multiple positive solutions for semilinear elliptic systems", **Journal of Mathematical Analysis and Applications**, 391, (2012), 107-118. **SCI**
4. H. L. Lin\*, "Multiple positive solutions of semilinear elliptic equations involving concave and convex nonlinearities in  $R^N$ ", **Boundary Value Problems**, 2012:24, (2012), 1-17. **SCI**
5. T. S. Hsu, H. L. Lin\* and C. C. Hu, "Multiple positive solutions of quasilinear elliptic equations in  $R^N$ ", **Journal of Mathematical Analysis and Applications**, 388, (2012), 500-512. **SCI**
6. H. L. Lin\*, "Positive solutions for nonhomogeneous elliptic equations involving critical Sobolev exponent", **Nonlinear Analysis: T.M.A.**, 75, (2012), 2660-2671. **SCI**
7. T. S. Hsu and H. L. Lin\*, "Multiple positive solutions of semilinear elliptic boundary value problems in the half space", **Nonlinear Analysis: T.M.A.**, 75, (2012), 304-316. **SCI**
8. T. S. Hsu and H. L. Lin\*, "Three positive solutions of semilinear elliptic problems involving concave and convex nonlinearities", **Proceedings of the Royal Society of Edinburgh**, 142A, (2012), 115-135. **SCI**
9. T. S. Hsu\* and H. L. Lin, "Multiplicity of positive solutions for weighted quasilinear elliptic equations involving critical Sobolev-Hardy exponents and concave-convex nonlinearities", **Abstract and Applied Analysis**, (2012), Article ID 579481, 19 pages. **SCI**
10. T. S. Hsu\* and H. L. Lin, "Multiple solutions for quasilinear elliptic equations in unbounded cylinder domains", **Taiwanese Journal of Mathematics**, 16, (2012), 409-428. **SCI**
11. T. S. Hsu and H. L. Lin\*, "Multiple positive solutions of semilinear elliptic problems in exterior domains", **Boundary Value Problems**, (2010), Article ID 524862, 21 pages. **SCI**
12. T. S. Hsu\* and H. L. Lin, "Multiple positive solutions for semilinear elliptic equations in  $R^N$  involving concave-convex nonlinearities and sign-changing weight functions", **Abstract and Applied Analysis**, (2010), Article ID 658397, 21 pages. **SCI**

13. **H. L. Lin**, "*Multiple solutions of quasilinear elliptic equations in  $R^N$* ", **International Journal of Differential Equations**, (2010), Article ID 673526, 12 pages.
14. T. S. Hsu\* and **H. L. Lin**, "*Multiple positive solutions for singular elliptic equations with weighted Hardy terms and critical Sobolev-Hardy exponents*", **Proceedings of the Royal Society of Edinburgh**, 140A, (2010), 617-633. **SCI**
15. T. S. Hsu and **H. L. Lin\***, "*Four positive solutions of semilinear elliptic equations involving concave and convex nonlinearities in  $R^N$* ", **Journal of Mathematical Analysis and Applications**, 365, (2010), 758-775. **SCI**
16. T. Li, **H. L. Lin** and T. F. Wu\*, "*Existence of 2-nodal solutions for semilinear elliptic equations in unbounded domains*", **Advanced Nonlinear Studies**, 10, (2010), 1-21. **SCI**
17. T. S. Hsu\* and **H. L. Lin**, "*Multiple positive solutions for a critical elliptic system with concave-convex nonlinearities*", **Proceedings of the Royal Society of Edinburgh**, 139A, (2009), 1163-1177. **SCI**
18. T. S. Hsu\* and **H. L. Lin**, "*Multiple positive solutions for singular elliptic equations with concave-convex nonlinearities and sign-changing weights*", **Boundary Value Problem**, (2009), Article ID 584203, 17 pages. **SCI**
19. T. S. Hsu\* and **H. L. Lin**, "*Existence of multiple positive solutions of semilinear elliptic boundary value problems in the half space*", **Nonlinear Analysis: T.M.A.**, 70, (2009), 849-865. **SCI**
20. **H. L. Lin\***, "*Multiple solutions of semilinear elliptic equations in exterior domains*", **Proceedings of the Royal Society of Edinburgh**, 138A, (2008), 531-549. **SCI**
21. T. S. Hsu and **H. L. Lin\***, "*Three positive solutions of semilinear elliptic equations in exterior cylinder domains*", **Journal of Mathematical Analysis and Applications**, 332, (2007), 814-832. **SCI**
22. **H. L. Lin**, H. C. Wang\* and T. F. Wu, "*Three positive solutions of nonhomogeneous semilinear elliptic equations*", **Journal of Mathematical Analysis and Applications**, 331, (2007), 1033-1045. **SCI**
23. T. S. Hsu\* and **H. L. Lin**, "*Eigenvalue problems of nonhomogeneous semilinear elliptic equations in Esteban-Lions domains with holes*", **Journal of Mathematical Analysis and Applications**, 330, (2007), 1273-1292. **SCI**
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- (2007), 1129-1146. **SCI**
26. **H. L. Lin**, "Three positive solutions of semilinear elliptic equations in the half space with a hole", **Journal of Differential Equations**, 230, (2006), 614-633. **SCI**
27. T. S. Hsu and **H. L. Lin\***, "Multiple solutions for some Neumann problems in exterior domains", **Bulletin of the Australian Mathematical Society**, 73, (2006), 353-364. **SCI**
28. T. S. Hsu\* and **H. L. Lin**, "Bifurcation of positive entire solutions for a semilinear elliptic equation", **Bulletin of the Australian Mathematical Society**, 72, (2005), 349-370. **SCI**
29. **H. L. Lin** and H. C. Wang\*, "Existences, asymptotic behaviors and symmetric properties of solutions of semilinear elliptic equations in flat flask domains", **International Journal of Pure and Applied Mathematics**, 4, (2003), 281-305.
30. **H. L. Lin**, H. C. Wang\* and T. F. Wu, "A Palais-Smale approach to Sobolev subcritical operators", **Topological Methods in Nonlinear Analysis**, 20, (2002), 393-407.
31. C. I. Lin, **H. L. Lin\*** and H. C. Wang, "Existence of Solution of Semilinear Elliptic Equations in a Flat Interior Flask Domain", **Dynamics of Continuous, Discrete and Impulsive Systems**, 10a, (2003), 81-90.
32. M. C. Chen, **H. L. Lin** and H. C. Wang\*, "Vitali convergence theorem and Palais Smale conditions", **Differential and Integral Equations**, 15 (2002), 641-656.