

**Lions, P. L.**

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**References:**

- [1] Ambrosetti, A.; Rabinowitz, P.H., Dual variational methods in critical point theory and applications, *J. funct. anal.*, 14, 349-381, (1973) · [Zbl 0273.49063](#)
- [2] Ambrosetti, A.; Prodi, G., On the inversion of some differentiable mappings with singularities between Banach spaces, *Ann. mat. pure appl.*, 93, 231-246, (1979) · [Zbl 0288.35020](#)
- [3] Ball, J.M., Finite time blow-up in nonlinear problems, (), 189-206 · [Zbl 0472.35060](#)
- [4] Bandle, C., Existence theorems, qualitative results and a priori bounds for a class of nonlinear Dirichlet problems, *Arch. rat. mech. anal.*, 58, 219-238, (1975) · [Zbl 0335.35046](#)
- [5] H. Berestycki, to appear.
- [6] Berestycki, H.; Lions, P.L., Une méthode locale pour l'existence de solutions positives de problèmes semilinéaires elliptiques dans  $\mathbb{R}^N$ , *J. anal. math.*, 38, 144-187, (1980) · [Zbl 0518.35034](#)
- [7] H. Berestycki and P.L. Lions, to appear.
- [8] Brézis, H.; Turner, R.E.L., On a class of superlinear elliptic problems, *Comm. in P.D.E.*, 2, 601-614, (1977) · [Zbl 0358.35032](#)
- [9] Crandall, M.G.; Rabinowitz, P.H., Some continuation and variational methods for positive solutions of nonlinear elliptic eigenvalue problems, *Arch. rat. mech. anal.*, 58, 207-218, (1975) · [Zbl 0309.35057](#)
- [10] Dafermes, C.M., Asymptotic behavior of solutions of evolution equations, (), 103-124
- [11] De Figueiredo, D.G.; Nussbaum, R.D.; Lions, P.L., Estimations a priori pour LES solutions positives de problèmes elliptiques semilinéaires, *C.R.A.S. Paris*, 290, 217-220, (1980) · [Zbl 0423.35048](#)
- [12] D.G. De Figueiredo, R.D. Nussbaum and P.L. Lions, A priori estimates and existence of positive solutions of semilinear elliptic equations. To appear in *J. Math. Pures Appl.* · [Zbl 0452.35030](#)
- [13] Fujita, H., On the nonlinear equation  $\Delta u + \lambda u = 0$  and  $\Delta u / |x| = \delta u + \epsilon v$ , *Bull. amer. math. soc.*, 75, 132-135, (1969)
- [14] Gelfand, I.M., Some problems in the theory of quasilinear equations, *Amer. math. soc. transl.*, 29, 295-381, (1963) · [Zbl 0127.04901](#)
- [15] Joseph, D.D.; Lundgren, T.S., Quasilinear Dirichlet problems driven by positive sources, *Arch. rat. mech. anal.*, 241-265, (1972) · [Zbl 0266.34021](#)
- [16] P.L. Lions, On the existence of positive solutions for semilinear elliptic equations, to appear in *SIAM Review.* · [Zbl 0511.35033](#)
- [17] F. Mignot and J.P. Puel, Sur une classe de problèmes nonlinéaires avec nonlinéarité positive, croissante, convexe, to appear in *Comm. in P.D.E.*
- [18] Rabinowitz, P.H., Variational methods for nonlinear eigenvalue problems, (), 141-195

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