





















- [23] S. Benachour, P. Laufencot, Very singular solutions to a nonlinear parabolic equation with absorption, 1. *Existence. Proc. Royal Soc. of Edinburgh*, 131A, 2001, pp. 27-44.
- [24] H. Brezis, A. Friedman, Nonlinear parabolic equations involving measures as initial conditions, *J. Math. Pure Appl.*, 62, 1983, pp. 73-97.
- [25] H. Brezis, L. A. Peletier, D. Terman, A very singular solution of heat equation with absorption. *Arch. Rat. Mech. Analysis*, 96, 1986, pp. 185-209.
- [26] S. Kamin, L. A. Peletier, Singular solution of the heat equation with absorption, *Proc. Amer. Math. Soc.*, 95, 1985, pp. 205-210.
- [27] S. Kamin, L. A. Peletier and J. L. Vazquez, Classification of singular solutions of a nonlinear heat equation. *Duke Math. J.*, 58, 1989, pp. 601-615.
- [28] G. Leoni, On very singular solution for the porous media equation with absorption. *Diff. Integral Equ.*, 10, 1997, pp. 1123-1140.
- [29] L. A. Peletier, J. Y. Wang, A very singular solution of a quasilinear degenerate diffusion equation with absorption. *Trans Amer. Math. Soc.*, 307, 1988, pp. 813-826.
- [30] L. A. Peletier, J. Zhao, Source-type solutions of the porous media equation with absorption: the fast diffusion case. *Nonlinear Analysis, T. M. A.*, 14, 1990, pp. 107-121.
- [31] P. Si, M. Wang, The self similar solution of a quasilinear parabolic equation with a nonlinear gradient term, *Sci. in China*, 34, 2004, pp. 392-406.
- [32] M. Escobedo, O. Kamvian, H. Matano, Large time behavior of solutions of a dissipative quasilinear heat equation, *Comm. in Partial Diff. Equ.*, 20, 1995, pp. 1427-1452.
- [33] J. Aguirre, Self-similarity and the singular Cauchy problem for the heat equation with cubic absorption. *Appl. Math. Letters*, 14, 2001, pp. 7-12.
- [34] X. F. Chen, Y. W. Qi and M. X. Wang, Self-similar singular parabolic equations with absorption. *Electronic J. Diff. Equ.* 2000, 2000, pp. 1-22.
- [35] Y. M. Qi, M. X. Wang, The self-similar profiles of solutions of generalized KPZ equation. *Pacific J. Math.*, 201, 2001, pp. 223-240.
- [36] Q. Zhang, P. Shi, Global solutions and self-similar solutions of semilinear parabolic equations with nonlinear gradient terms, *Nonlinear Anal. T.M.A.*, 72, 2010, pp. 2744-2752.
- [37] R. Dal Passo, S. Luckhaus, A degenerate diffusion problem not in divergence form, *J. Diff. Equ.*, 69, 1987, pp. 1-14.
- [38] M. Bertsch, R. Dal Passo and M. Ughi, Non-uniqueness of solutions of a degenerate parabolic equation, *Ann. Math. Pura Appl.*, 161, 1992, pp. 57-81.
- [39] Y. Chen, Hölder continuity of the gradient of the solutions of certain degenerate parabolic equations, *Chinese Annals Math. Ser. B.* 8, 1987, pp. 43-356.
- [40] A.V. Ivanov, Hölder continuity of solutions for nonlinear degenerate parabolic equations, *J. Soviet. Math.* 56, 1991, pp. 2320-2347.
- [41] E. Dibenedetto, *Degenerate parabolic equations*. Springer-Verlag, New York, 1993.