

ELENCO DELLE PUBBLICAZIONI DI PAOLA MANNUCCI

- [1] P. Mannucci; *Global existence of solutions for a problem in dynamics of thermal explosions*, Math. Mod. in Combustion, Brauner-Schmidt-Lainé eds., NATO ASI Ser. n. 140, (1988), 515–518.
- [2] P. Mannucci; *A combustion problem in cylindrical and spherical symmetry*, MECCANICA, J. Mech. 25, (1990), 47–57.
- [3] R. Gianni, P. Mannucci; *Existence theorems for a free boundary problem in combustion theory*, Quart. Appl. Math. 51 (1), (1993), 45–53.
- [4] R. Gianni, P. Mannucci; *Some existence theorems for a n -dimensional parabolic equation with discontinuous source term*, SIAM J. Math. Anal. 24 (3), (1993), 618–633.
- [5] P. Mannucci; *Studio degli effetti termici in un problema di polimerizzazione*, Tesi di dottorato, Firenze, 1993.
- [6] P. Mannucci; *Study of the mathematical model for a polymerization problem*, Math. Mod. Meth. Appl. Sci., Vol. 5, n.4, (1995), 457–471.
- [7] P. Mannucci; *Study of the mathematical model for absorption and diffusion in ultranapkins "Le Matematiche"*, Vol. L, (I), (1995), 1–14.
- [8] R. Gianni, P. Mannucci; *Existence of a classical solution for a multidimensional filtration problem*, Math. Meth. Appl. Sci., Vol. 20, (1997), 179–187.
- [9] E. Comparini, P. Mannucci; *Penetration of a wetting front in a porous medium interacting with the flow*, NoDEA 4, (1997), 425–438.
- [10] L. Berrone, P. Mannucci; *Study of the boundary conditions describing the contact with a well stirred fluid in the one dimensional case*, Asymptotic Analysis 14, (1997), 323–337.
- [11] E. Comparini, P. Mannucci; *Flow of a Bingham fluid in contact with a newtonian fluid*, J. Math. Anal. Appl., 227, (1998), 359–381.
- [12] R. Gianni, P. Mannucci; *A free boundary problem for a degenerate parabolic equation: regularity of the solution*, Adv. Math. Sci. Appl., 9 (1), (1999), 557–569.
- [13] P. Mannucci, D. A. Tarzia. *The supercooled one-phase Stefan problem in spherical symmetry*, Demonstratio Mathematica, 32 (1), (1999), 67–76.
- [14] R. Gianni, P. Mannucci; *A free boundary problem in an absorbing porous material with saturation dependent permeability*, NoDEA, 8, (2001), 219–235.
- [15] E. Comparini, R. Gianni, P. Mannucci; *A filtration problem in a composite porous material with two free boundaries*, Adv. Math. Sci. Appl., 11 (2), (2001), 603–622.
- [16] R. Gianni, P. Mannucci; *Existence of a weak solution for a n -dimensional elliptic-parabolic problem*, Adv. Math. Sci. Appl., 13 (2), (2003), p.565-586.
- [17] L. Berrone, P. Mannucci; *Asymptotic behaviour of the solution to a heat equation with a delayed control in the source term*, Control and Cybernetics, 33 (1) (2004), p. 5-32.
- [18] P. Mannucci; *Nonzero-sum stochastic differential games with discontinuous feedback*, SIAM J. Control and Optimization, 43 (4) p. 1222-1233 (2004).
- [19] R. Gianni, P. Mannucci; *Mathematical study of a parabolic system describing the evolution of the solar magnetic field*, Rend. Istit. Mat. Univ. Trieste, Vol. XXXVI (2004), p.1-19.
- [20] M. Bardi, P. Mannucci; *On the Dirichlet problem for non-totally degenerate fully nonlinear elliptic equation*, Commun. Pure Appl. Anal. 5 (2006), no. 4, 709–731.
- [21] P. Mannucci, J.L. Vazquez; *Viscosity solutions for elliptic-parabolic problems*, NoDEA Nonlinear Differential Equations Appl., 14 (2007), no. 1-2, 75–90.
- [22] M. Bardi, P. Mannucci; *Comparison principles for subelliptic equations of Monge-Ampère type*, Boll. Unione Mat. Ital. **9**, **1**, (2008), 2, 489–495.
- [23] M. Bardi, P. Mannucci; *Comparison principles for equations of Monge-Ampère type in Carnot groups: a direct proof*, Lecture Notes of Seminario Interdisciplinare di Matematica

Vol. 7, (2008), 41– 51.

- [24] M. Bardi, P. Mannucci; *Comparison principles and Dirichlet problem for equations of Monge-Ampère type associated to vector fields*, Forum Math., 25 (2013), 1291-1330, IF 0.769
- [25] P. Mannucci; *The Dirichlet problem for fully nonlinear elliptic equations non-degenerate in a fixed direction*, Commun. Pure Appl. Anal. 13, 1, (2014) pp. 119-133, IF 0.708
- [26] P. Mannucci; *Nash points for nonzero-sum stochastic differential games with separate Hamiltonians*, Dynamic Games and Applications, 4, 3, (2014) pp. 329-344, IF 1.041
- [27] P. Mannucci, B. Stroffolini *Periodic homogenization under a hypoellipticity condition*, Nonlinear Differ. Equ. Appl. **22** (2016), 579–600.
- [28] P. Mannucci, C. Marchi, N. Tchou *The ergodic problem for some subelliptic operators with unbounded coefficients* NoDEA Nonlinear Differential Equations Appl. 23 (2016), no. 4, Art. 47, 26 pp.
- [29] P. Mannucci, C. Marchi, N. Tchou *Asymptotic behaviour for operators of Grushin type: invariant measure and singular perturbations* to appear in DCDS-S, 12,1, (2019), arXiv:1702.08809
- [30] P. Mannucci, C. Marchi, N. Tchou *Singular perturbations for a subelliptic operator*, to appear in ESAIM-COCV DOI: 10.1051/cocv/2017063, arXiv:1702.01008
- [31] N. Dirr, F. Dragoni, P. Mannucci C. Marchi *Stochastic homogenization for functionals with anisotropic rescaling and non-coercive Hamilton-Jacobi equations* submitted, arXiv:1707.00553v1
- [32] S. Hamadene, P. Mannucci *Regularity of Nash payoffs of Markovian nonzero-sum stochastic differential games* submitted, arXiv:1711.02357
- [33] P. Mannucci, C. Marchi, C. Mariconda, N. Tchou *A note on non-coercive first order Mean Field Games with analytic data* submitted, arXiv:1805.01147