
SHORT CURRICULUM VITÆ
and LIST OF PUBLICATIONS
of Paolo FARINELLA
(updated 23 June 1999)

SHORT CURRICULUM VITÆ

Paolo Farinella was born in 1953 near Ferrara (Italy). He received his degree from the University and the Scuola Normale of Pisa in 1975. Subsequently, he became a graduate student of Giuseppe Colombo, and then he worked as an astronomer at the Milan Observatory. Between 1982 and 1998, he has been a university researcher at the Scuola Normale and the University Pisa, teaching Physics and Celestial Mechanics. In 1992-94 he stayed at the Nice Observatory as an ESA "G. Colombo" fellow. In the summer of 1998 he won a national competition for positions of associate professor of astronomy and astrophysics in Italian universities, and since late 1998 he teaches at the University of Trieste. His research is in the study of the dynamical and collisional history of minor bodies, the asteroid-meteorite relationship, the nongravitational effects on artificial satellite orbits and the future evolution of Earth-orbiting debris. He is also interested in the relationships between civilian and military space technologies (e.g. reconnaissance satellites, nuclear power in space), and is a member of Pugwash and USPID (the Italian Union of Scientists for Disarmament). He has published over 120 papers in refereed journals, two textbooks (in English) and over 50 popular astronomy articles (in Italian, French, English and Spanish). He has been a member of the Editorial Board of "Icarus" in 1995-97, and is now an Associate Editor of "Icarus" and "Meteoritics and Planetary Science". He is a member of the International Astronomical Union since 1979 and an affiliate member of the Division of Planetary Science (DPS) of the American Astronomical Society since 1992. Since October 1998, he is a member of the Solar System Working Group of the European Space Agency. Asteroid (3248) Farinella bears his name.

PUBLICATIONS

Research papers in international journals

1. **P. Farinella** & P. Paolicchi: *Conservation laws and mass distribution in the planet formation process*, **The Moon** **17**, pp. 401–408 (1977).
2. **P. Farinella**, P. Paolicchi, A. Milani & A.M. Nobili: *Lifetime of an elliptical ring around Uranus*, **Nature** **276**, p. 535 (1978).
3. **P. Farinella** & P. Paolicchi: *The period distribution of eclipsing and spectroscopic binary systems, I*, **Astrophysics and Space Science** **54**, pp. 389–406 (1978).
4. **P. Farinella**, A.M. Nobili & P. Paolicchi: *A tidal hypothesis about the origin of planetary rotation*, **The Moon and the Planets** **18**, pp. 195–201 (1978).
5. **P. Farinella** & A.M. Nobili: *A simple explanation of some characteristics of the asteroidal belt based on the restricted three-body problem*, **The Moon and the Planets** **18**, pp. 241–250 (1978).
6. **P. Farinella** & P. Paolicchi: *Planet formation process as a phase transition, I: Elementary model*, **The Moon and the Planets** **19**, pp. 327–329 (1978).
7. **P. Farinella**, P. Paolicchi & F. Ferrini: *Planet formation process as a phase transition, II: Isoentropic model and comparison with the solar system*, **The Moon and the Planets** **20**, pp. 371–384 (1979).
8. **P. Farinella**, F. Luzny, L. Mantegazza & P. Paolicchi: *Statistics of period for eclipsing binary systems*, **Astrophysical Journal** **234**, pp. 973–977 (1979).
9. **P. Farinella**, P. Paolicchi, F. Ferrini & A.M. Nobili: *An explanation for the light curves of Jupiter's and Saturn's satellites*, **The Moon and the Planets** **20**, pp. 385–395 (1979).
10. **P. Farinella**, A. Milani, A.M. Nobili & G.B. Valsecchi: *Tidal evolution and the Pluto–Charon system*, **The Moon and the Planets** **20**, pp. 415–421 (1979).
11. **P. Farinella**, P. Paolicchi & F. Ferrini: *Planet formation process as a phase transition, III: Mass distribution in the outer solar system*, **The Moon and the Planets** **21**, pp. 405–408 (1979).
12. **P. Farinella**, A. Milani & A.M. Nobili: *The measurement of the gravitational constant in an orbiting laboratory*, **Astrophysics and Space Science** **73**, pp. 417–433 (1980).
13. **P. Farinella**, A. Milani, A.M. Nobili & G.B. Valsecchi: *Some remarks on the capture of Triton and the origin of Pluto*, **Icarus** **44**, pp. 810–812 (1980).
14. **P. Farinella**: *Irregular extrasolar systems and dynamical instability*, **The Moon and the Planets** **22**, pp. 25–29 (1980).
15. **P. Farinella**, P. Paolicchi, F. Ferrini & A.M. Nobili: *On the formation and stability of Uranus' rings*, **The Moon and the Planets** **22**, pp. 103–111 (1980).
16. R. Bevilacqua, O. Menchi, A. Milani, A.M. Nobili & **P. Farinella**: *Resonances and close approaches, I: The Titan–Hyperion case*, **The Moon and the Planets** **22**, pp. 141–152 (1980).
17. V. Zappalà, F. Scaltriti, **P. Farinella** & P. Paolicchi: *Asteroidal binary systems: Detection and formation*, **The Moon and the Planets** **22**, pp. 153–162 (1980).

18. E. Antonello, **P. Farinella**, G. Guerrero, L. Mantegazza & P. Paolicchi: *The period distribution of eclipsing and spectroscopic binary systems, II*, **Astrophysics and Space Science** **72**, pp. 359–367 (1980).
19. **P. Farinella**, P. Paolicchi, E.F. Tedesco & V. Zappalà: *Triaxial equilibrium ellipsoids among the asteroids?*, **Icarus** **46**, pp. 114–123 (1981).
20. **P. Farinella**, F. Ferrini, A. Milani & A.M. Nobili: *Is Mimas differentiated?*, **The Moon and the Planets** **24**, pp. 465–466 (1981).
21. **P. Farinella**, P. Paolicchi & V. Zappalà: *On the shape of rapidly rotating asteroids*, **Advances in Space Research** **1**, pp. 187–189 (1981).
22. **P. Farinella**, P. Paolicchi & V. Zappalà: *Analysis of the spin rate distribution of asteroids*, **Astronomy and Astrophysics** **104**, pp. 159–165 (1981).
23. **P. Farinella**, P. Paolicchi & V. Zappalà: *The asteroids as outcomes of catastrophic collisions*, **Icarus** **52**, pp. 409–433 (1982).
24. L. Anselmo, B. Bertotti, **P. Farinella**, A. Milani & A.M. Nobili: *Orbital perturbations due to radiation pressure for a spacecraft of complex shape*, **Celestial Mechanics** **29**, pp. 27–43 (1983).
25. L. Anselmo, **P. Farinella**, A. Milani & A.M. Nobili: *Effects of the Earth–reflected sunlight on the orbit of the LAGEOS satellite*, **Astronomy and Astrophysics** **117**, pp. 3–8 (1983).
26. **P. Farinella**, A. Milani, A.M. Nobili, P. Paolicchi & V. Zappalà: *Hyperion: Collisional disruption of a resonant satellite*, **Icarus** **54**, pp. 353–360 (1983).
27. P. Paolicchi, **P. Farinella** & V. Zappalà: *The critical energy density and the inelasticity coefficient for asteroidal catastrophic collisions*, **Advances in Space Research** **2**, pp. 235–238 (1983). (1983).
28. P. Paolicchi, **P. Farinella** & V. Zappalà: *High-velocity impact experiments needed to improve our understanding of the asteroids*, **Advances in Space Research** **2**, pp. 241–243 (1983).
29. **P. Farinella**, A. Milani, A.M. Nobili, P. Paolicchi & V. Zappalà: *The shape of the small satellites of Saturn : Gravitational equilibrium vs. solid-state strength*, **The Moon and the Planets** **28**, pp. 251–258 (1983).
30. **P. Farinella**, A. Milani, A.M. Nobili, P. Paolicchi & V. Zappalà: *The shape and structure of Mimas*, **Earth Moon and Planets** **30**, pp. 39–42 (1984).
31. B. Bertotti, **P. Farinella**, A. Milani, A.M. Nobili & F. Sacerdote: *Linking reference systems from space*, **Astronomy and Astrophysics** **133**, pp. 231–238 (1984).
32. F. Capaccioni, P. Cerroni, M. Coradini, **P. Farinella**, E. Flamini, G. Martelli, P. Paolicchi, P.N. Smith & V. Zappalà: *Shapes of asteroids compared with fragments from hypervelocity impact experiments*, **Nature** **308**, pp. 832–834 (1984).
33. L. Anselmo & **P. Farinella**: *Alfvén drag for satellites orbiting in Jupiter’s plasmasphere*, **Icarus** **58**, pp. 182–185 (1984).
34. V. Zappalà, **P. Farinella**, Z. Knežević & P. Paolicchi: *Collisional origin of the asteroid families: Mass and velocity distributions*, **Icarus** **59**, pp. 261–285 (1984).
35. V. Catullo, V. Zappalà, **P. Farinella** & P. Paolicchi: *Analysis of the shape distribution of asteroids*, **Astronomy and Astrophysics** **138**, pp. 464–468 (1984).
36. G. Leone, **P. Farinella**, P. Paolicchi & V. Zappalà: *Equilibrium models of binary asteroids*, **Astronomy and Astrophysics** **140**, pp. 265–272 (1984).
37. A. Cellino, R. Pannunzio, V. Zappalà, **P. Farinella** & P. Paolicchi: *Do we observe light curves of binary asteroids?*, **Astronomy and Astrophysics** **144**, pp. 355–362 (1985).
38. **P. Farinella**, P. Paolicchi & V. Zappalà: *Original abundance of asteroids from their present rotational properties*, **Monthly Notices of the Royal astronomical Society** **216**, pp. 565–570 (1985).

39. F. Barlier, M. Carpino, **P. Farinella**, F. Mignard, A. Milani & A.M. Nobili: *Non-gravitational perturbations on the semimajor axis of LAGEOS*, **Annales Geophysicae** **4**, **A**, **3**, pp. 193–210 (1986).
40. M. Carpino, **P. Farinella**, A. Milani & A.M. Nobili: *Sensitivity of LAGEOS to changes in Earth's (2,2) gravity coefficients*, **Celestial Mechanics** **39**, pp. 1–13 (1986).
41. F. Capaccioni, P. Cerroni, M. Coradini, M. Di Martino, **P. Farinella**, E. Flamini, G. Martelli, P. Paolicchi, P.N. Smith, A. Woodward & V. Zappalà: *Asteroidal catastrophic collisions simulated by hypervelocity impact experiments*, **Icarus** **66**, pp. 487–514 (1986).
42. M. Carpino, R. Gonczi, **P. Farinella**, Ch. Froeschlé, Cl. Froeschlé, P. Paolicchi & V. Zappalà: *The accuracy of proper orbital elements and the properties of asteroid families: Comparison with the linear theory*, **Icarus** **68**, pp. 55–76 (1986).
43. A. M. Nobili, A. Milani & **P. Farinella**: *Testing Newtonian gravity in space*, **Physics Letters A**, Vol. **120**, no.9, pp.437–441 (1987).
44. A. Cellino, V. Zappalà, M. Di Martino, **P. Farinella** & P. Paolicchi: *Flattening, pole and albedo features of 4 Vesta from photometric data*, **Icarus** **70**, pp. 546–565 (1987). Erratum in: **Icarus** **74**, p.568 (1988).
45. A.M. Nobili, A. Milani & **P. Farinella**: *The orbit of a space laboratory for the measurement of G*, **Astronomical Journal** **95**, pp. 576–578 (1988).
46. Z. Knežević, M. Carpino, **P. Farinella**, Ch. Froeschlé, Cl. Froeschlé, R. Gonczi, B. Jovanović, P. Paolicchi & V. Zappalà: *Asteroid short-periodic perturbations and the accuracy of mean orbital elements*, **Astronomy and Astrophysics** **192**, pp. 360–369 (1988).
47. **P. Farinella**, P. Paolicchi, A. Cellino & V. Zappalà: *Escape velocity for fragments of collisionally shattered solar system bodies*, **Bulletin de l'Observatoire Astronomique de Belgrade** **138**, pp. 88–90 (1988).
48. P. Paolicchi, A. Cellino, **P. Farinella** & V. Zappalà: *A semi-empirical model of catastrophic breakup processes*, **Icarus** **77**, pp. 187–212 (1989).
49. **P. Farinella**, A. Cellino, V. Zappalà & P. Paolicchi: *Is Nereid a binary satellite?*, **Earth, Moon, and Planets** **44**, pp. 175–179 (1989).
50. A. Cellino, V. Zappalà & **P. Farinella**: *Asteroid shapes and lightcurve morphology*, **Icarus** **78**, pp. 298–310 (1989).
51. **P. Farinella**, M. Carpino, Ch. Froeschlé, Cl. Froeschlé, R. Gonczi, Z. Knežević & V. Zappalà: *The ages of asteroid families*, **Astronomy and Astrophysics** **217**, pp. 298–306 (1989).
52. A. Cellino, M. Di Martino, J. Drummond, **P. Farinella**, P. Paolicchi & V. Zappalà: *Vesta's shape, density and albedo features*, **Astronomy and Astrophysics** **219**, pp. 320–321 (1989).
53. G. Afonso, F. Barlier, M. Carpino, **P. Farinella**, F. Mignard, A. Milani & A.M. Nobili: *Orbital effects of LAGEOS' seasons and eclipses*, **Annales Geophysicae** **7** (5), pp. 501–514 (1989).
54. V. Zappalà, M. Di Martino, A. Cellino, **P. Farinella**, G. De Sanctis & W. Ferreri: *Rotational properties of outer belt asteroids*, **Icarus** **82**, pp. 354–368 (1989).
55. **P. Farinella**, A.M. Nobili, F. Barlier & F. Mignard: *Effects of thermal thrust on the node and inclination of LAGEOS*, **Astronomy and Astrophysics** **234**, pp. 546–554 (1990).
56. A.M. Nobili, A. Milani, E. Polacco, I.W. Roxburgh, F. Barlier, K. Aksnes, C.W.F. Everitt, **P. Farinella**, L. Anselmo & Y. Boudon: *The NEWTON mission – A proposed manmade planetary system in space to measure the gravitational constant*, **ESA Journal** **14**, pp. 389–408 (1990).
57. F. Mignard, G. Afonso, F. Barlier, M. Carpino, **P. Farinella**, A. Milani & A.M. Nobili: *LAGEOS: Ten years of quest for the non-gravitational forces*, **Advances in Space Research** **10**, n. 3–4, pp. (3)221–(3)227 (1990).

58. **P. Farinella**, P. Paolicchi, R.G. Strom, J.S. Kargel & V. Zappalà: *The fate of Hyperion's fragments*, **Icarus** **83**, pp. 186–204 (1990).
59. A. Cellino, V. Zappalà, D.R. Davis, **P. Farinella** & P. Paolicchi: *Asteroid collisional evolution, I. Angular momentum splash: Despinning asteroids through catastrophic collisions*, **Icarus** **87**, pp. 391–402 (1990).
60. V. Zappalà, A. Cellino, **P. Farinella** & Z. Knežević: *Asteroid families, I. Identification by hierarchical clustering and reliability assessment*, **Astronomical Journal** **100**, pp. 2030–2046 (1990).
61. Z. Knežević, A. Milani, **P. Farinella**, Ch. Froeschlé & Cl. Froeschlé: *Secular resonances from 2 to 50 AU*, **Icarus** **93**, pp. 316–330 (1991).
62. B. Chauvineau, **P. Farinella** & F. Mignard: *The lifetime of binary asteroids vs. gravitational encounters and collisions*, **Icarus** **94**, pp. 299–310 (1991).
63. A. Cellino, V. Zappalà & **P. Farinella**: *The size distribution of main-belt asteroids from IRAS data*, **Monthly Notices of the Royal Astronomical Society** **253**, pp. 561–574 (1991).
64. **P. Farinella** & A. Cordelli: *The proliferation of orbiting fragments: A simple mathematical model*, **Science & Global Security** **2**, pp.365–378 (1991).
65. **P. Farinella**, D.R. Davis, P. Paolicchi, A. Cellino & V. Zappalà: *Asteroid collisional evolution: An integrated model for the evolution of asteroid rotation rates*, **Astronomy and Astrophysics** **253**, pp.604–614 (1992).
66. **P. Farinella**, D.R. Davis, A. Cellino & V. Zappalà: *The collisional lifetime of asteroid 951 Gaspra*, **Astronomy and Astrophysics** **257**, pp.329–330 (1992).
67. **P. Farinella**: *Evolution of Earth-crossing binary asteroids due to gravitational encounters with the Earth*, **Icarus** **96**, pp.284–285 (1992).
68. D. Lucchesi & **P. Farinella**: *Optical properties of the Earth's surface and long-term perturbations of LAGEOS' semimajor axis*, **Journal of Geophysical Research** **97**, pp.7121–7128 (1992).
69. **P. Farinella** & D.R. Davis: *Collision rates and impact velocities in the main asteroid belt*, **Icarus** **97**, pp.111–123 (1992).
70. A. Rossi & **P. Farinella**: *Collision rates and impact velocities for bodies in low Earth orbit*, **ESA Journal** **16**, pp.339–348 (1992).
71. **P. Farinella**, R. Gonczi, Ch. Froeschlé & Cl. Froeschlé: *The injection of asteroid fragments into resonances*, **Icarus** **101**, pp.174–187 (1993).
72. G. Martelli, P. Rothwell, I. GIBLIN, M. Di Martino & **P. Farinella**: *Fragment jets from catastrophic break-up events and the formation of asteroid binaries and families*, **Astronomy and Astrophysics** **271**, pp. 315–318 (1993).
73. I. Ciufolini, **P. Farinella**, A.M. Nobili, D. Lucchesi & L. Anselmo: *Results of a joint ASI-NASA study on the LAGEOS gravitomagnetic experiment and the nodal perturbations due to radiation pressure and particle drag effects*, **Il Nuovo Cimento B** **108(2)**, pp. 151–162 (1993).
74. **P. Farinella**, Ch. Froeschlé & R. Gonczi: *Meteorites from the asteroid 6 Hebe*, **Celestial Mechanics** **56**, pp. 287–305 (1993).
75. A. Cordelli, **P. Farinella**, L. Anselmo, C. Pardini & A. Rossi: *Future collisional evolution of Earth-orbiting debris*, **Advances in Space Research** **13**, No. 8, pp. (8)215–(8)219 (1993).
76. D. Vokrouhlický, **P. Farinella** & D. Lucchesi: *Albedo perturbation models: General formalism and application to LAGEOS*, **Celestial Mechanics** **57**, pp. 225–244 (1993).
77. J.-M. Petit & **P. Farinella**: *Modelling the outcomes of high-velocity impacts between small solar system bodies*, **Celestial Mechanics** **57**, pp. 1–28 (1993).

78. **P. Farinella** & B. Chauvineau: *On the evolution of binary Earth–approaching asteroids*, **Astronomy and Astrophysics** **279**, 251–259 (1993).
79. D. Vokrouhlický, **P. Farinella** & D. Lucchesi: *Long–periodic albedo perturbations on LAGEOS*, **Astronomy and Astrophysics** **280**, 282–294 (1993).
80. D. Vokrouhlický, **P. Farinella** & F. Mignard: *Solar radiation pressure perturbations for Earth satellites, I: A complete theory including penumbra transitions*, **Astronomy and Astrophysics** **280**, 295–312 (1993).
81. B. Chauvineau, **P. Farinella** & F. Mignard: *Planar orbits about a triaxial body: Application to asteroidal satellites*, **Icarus** **105**, 370–384 (1993).
82. V. Zappalà, A. Cellino, **P. Farinella** & A. Milani: *Asteroid families, II. Extension to unnumbered multi–opposition asteroids*, **Astronomical Journal** **107**, 772–801 (1994).
83. A. Morbidelli, R. Gonczi, Ch. Froeschlé & **P. Farinella**: *Delivery of meteorites through the ν_6 secular resonance*, **Astronomy and Astrophysics** **282**, 955–979 (1994).
84. D. Vokrouhlický, **P. Farinella** & F. Mignard: *Solar radiation pressure perturbations for Earth satellites, II: An approximate method to model penumbra transitions and their long–term orbital effects on LAGEOS*, **Astronomy and Astrophysics** **285**, 333–343 (1994).
85. A. Milani & **P. Farinella**: *The age of the Veritas asteroid family deduced by chaotic chronology*, **Nature** **370**, 40–42 (1994).
86. P. Broglia, A. Manara & **P. Farinella**: *Polarimetric observations of (6) Hebe*, **Icarus** **109**, 204–209 (1994).
87. A. Campo Bagatin, **P. Farinella** & J.–M. Petit: *Fragment ejection velocities and the collisional evolution of asteroids*, **Planetary and Space Science** **42**, 1099–1107 (1994).
88. D. Vokrouhlický, **P. Farinella** & F. Mignard: *Solar radiation pressure perturbations for Earth satellites, III: Global atmospheric phenomena and the albedo effect*, **Astronomy and Astrophysics** **290**, 324–334 (1994).
89. D.R. Davis, E.V. Ryan & **P. Farinella**: *Asteroid collisional evolution: Results from current scaling algorithms*, **Planetary and Space Science** **42**, 599–610 (1994).
90. I. Givlin, G. Martelli, P.N. Smith, A. Cellino, M. Di Martino, V. Zappalà, **P. Farinella** & P. Paolicchi: *Field fragmentation of macroscopic targets simulating asteroidal catastrophic collisions*, **Icarus** **110**, 203–224 (1994).
91. A. Campo Bagatin, A. Cellino, D.R. Davis, **P. Farinella** & P. Paolicchi: *Wavy size distributions for collisional systems with a small–size cutoff*, **Planetary and Space Science** **42**, 1079–1092 (1994).
92. **P. Farinella**, Ch. Froeschlé, C. Froeschlé, R. Gonczi, G. Hahn, A. Morbidelli & G.B. Valsecchi: *Asteroids falling into the Sun*, **Nature** **371**, 314–317 (1994).
93. A. Rossi, A. Cordelli, **P. Farinella** & L. Anselmo: *Collisional evolution of the Earth’s orbital debris cloud*, **Journal of Geophysical Research** **99**, 23195–23210 (1994).
94. D. Vokrouhlický & **P. Farinella**: *Specular reflection of sunlight from wavy ocean surfaces and the albedo effect on satellite orbits. I. A statistical model*, **Astronomy and Astrophysics** **298**, 307–322 (1995).
95. B. Chauvineau, **P. Farinella** & A.W. Harris: *The evolution of Earth–approaching binary asteroids: A Monte Carlo dynamical model*, **Icarus** **115**, 36–46 (1995).
96. F. Marzari, **P. Farinella** & V. Vanzani: *Are Trojan collisional families a source for short–period comets?*, **Astronomy and Astrophysics** **299**, 267–276 (1995).
97. A. Milani & **P. Farinella**: *An asteroid on the brink*, **Icarus** **115**, 209–212 (1995).
98. V. Zappalà, Ph. Bendjoya, A. Cellino, **P. Farinella** & C. Froeschlé: *Asteroid families: Search of a 12,487–asteroid sample using two different clustering techniques*, **Icarus** **116**, 291–314 (1995).

99. D. Vokrouhlický & **P. Farinella**: *Specular reflection of sunlight from wavy ocean surfaces and the albedo effect on satellite orbits. II. LAGEOS long-term albedo perturbations reassessed*, **Astronomy and Astrophysics** **301**, 282–289 (1995).
100. T.J. Jopek, **P. Farinella**, Ch. Froeschlé & R. Gonczi: *Long-term dynamical evolution of the brightest bolides*, **Astronomy and Astrophysics** **302**, 290–300 (1995). Erratum in: **Astronomy and Astrophysics** **314**, 353 (1996).
101. Ch. Froeschlé, G. Hahn, R. Gonczi, A. Morbidelli & **P. Farinella**: *Secular resonances and the dynamics of Mars-crossing and near-Earth asteroids*, **Icarus** **117**, 45–61 (1995).
102. D. Vokrouhlický & **P. Farinella**: *Radiative forces and LAGEOS' orbit*, **Advances in Space Research** **16**, 12(15)–12(19) (1995).
103. G.B. Valsecchi, A. Morbidelli, R. Gonczi, **P. Farinella**, Ch. Froeschlé & C. Froeschlé: *The dynamics of objects in orbits resembling that of P/Encke*, **Icarus** **118**, 169–180 (1995).
104. D. Vokrouhlický, **P. Farinella** & F. Mignard: *Solar radiation pressure perturbations for Earth satellites. IV. Effects of the Earth's polar flattening on the shadow structure and the penumbra transitions*, **Astronomy and Astrophysics** **307**, 635–644 (1996).
105. D.R. Davis, C.R. Chapman, D.D. Durda, **P. Farinella** & F. Marzari: *The formation and collisional/dynamical evolution of the Ida/Dactyl system as part of the Koronis family*, **Icarus** **120**, 220–230 (1996).
106. H. Haack, **P. Farinella**, E.R.D. Scott & K. Keil: *Meteoritic, asteroidal, and theoretical constraints on the 500 Ma disruption of the L chondrite parent body*, **Icarus** **119**, 182–191 (1996).
107. **P. Farinella**, D. Vokrouhlický & F. Barlier: *The rotation of LAGEOS and its long-term semimajor axis decay: A self-consistent solution*, **Journal of Geophysical Research** **101 (B8)**, 17,861–17,872 (1996).
108. F. Migliorini, A. Manara, M. Di Martino & **P. Farinella**: *The Hoffmeister asteroid family: Inferences from physical data*, **Astronomy and Astrophysics** **310**, 681–685 (1996).
109. F. Marzari, H. Scholl & **P. Farinella**: *Collision rates and impact velocities in the Trojan asteroid swarms*, **Icarus** **119**, 192–201 (1996).
110. M. Menichella, P. Paolicchi & **P. Farinella**: *The main belt as a source of near-Earth asteroids*, **Earth, Moon, and Planets** **72**, 133–149 (1996).
111. P. Michel, Ch. Froeschlé & **P. Farinella**: *Dynamical evolution of NEAs: Close encounters, secular perturbations and resonances*, **Earth, Moon, and Planets** **72**, 151–164 (1996).
112. P. Michel, **P. Farinella** & Ch. Froeschlé: *The orbital evolution of the asteroid Eros and implications for collision with the Earth*, **Nature** **380**, 689–691 (1996).
113. F. Marzari, A. Cellino, D.R. Davis, **P. Farinella**, V. Zappalà & V. Vanzani: *Origin and evolution of the Vesta asteroid family*, **Astronomy and Astrophysics** **316**, 248–262 (1996).
114. P. Michel, Ch. Froeschlé & **P. Farinella**: *Dynamical evolution of two near-Earth asteroids to be explored by spacecraft: (433) Eros and (4660) Nereus*, **Astronomy and Astrophysics** **313**, 993–1007 (1996).
115. **P. Farinella** & D.R. Davis: *Short-period comets: Primordial bodies or collisional fragments?*, **Science** **273**, 938–941 (1996).
116. **P. Farinella** & D. Vokrouhlický: *Thermal force effects on slowly rotating, spherical artificial satellites. I. Solar heating*, **Planetary and Space Science** **44**, 1551–1561 (1996).
117. D.R. Davis & **P. Farinella**: *Collisional evolution of Edgeworth-Kuiper objects*, **Icarus** **125**, 50–60 (1997).
118. F. Marzari, **P. Farinella**, D.R. Davis, H. Scholl & A. Campo Bagatin: *Collisional evolution of Trojan asteroids*, **Icarus** **125**, 39–49 (1997).

119. F. Migliorini, A. Manara, F. Scaltriti, **P. Farinella**, A. Cellino & M. Di Martino: *Surface properties of (6) Hebe: A possible parent body of ordinary chondrites*, **Icarus** **128**, 104–113 (1997).
120. I. Giblin & **P. Farinella**: *Tumbling fragments from experiments simulating asteroidal catastrophic disruption*, **Icarus** **127**, 424–430 (1997).
121. **P. Farinella**, F. Marzari & S. Matteoli: *The disruption of Hyperion and the origin of Titan's atmosphere*, **Astronomical Journal** **113**, 2312–2316 (1997).
122. **P. Farinella** & V. Zappalà: *The shapes of the asteroids*, **Advances in Space Research** **19**, 181–186 (1997).
123. A. Rossi, A. Cordelli, **P. Farinella**, L. Anselmo, & C. Pardini: *Long term evolution of the space debris population*, **Advances in Space Research** **19**, pp. 331–340 (1997).
124. D. Vokrouhlický & **P. Farinella**: *Thermal force effects on slowly rotating, spherical artificial satellites. II. Earth infrared heating*, **Planetary and Space Science** **45**, 419–425 (1997).
125. D. Vokrouhlický & **P. Farinella**: *Recent progress in modeling the nongravitational forces affecting Lageos orbit*, **Advances in Space Research** **19**, No. 11, 1689–1693 (1997).
126. Z. Knežević, A. Milani & **P. Farinella**: *The dangerous border of the 5:2 mean motion resonance*, **Planetary and Space Science** **45**, 1581–1585 (1997).
127. A. Cordelli & **P. Farinella**: *A new model to simulate impact breakup*, **Planetary and Space Science** **45**, 1639–1647 (1997).
128. A. Montanari, A. Campo Bagatin & **P. Farinella**: *Earth cratering record and impact energy flux in the last 150 Ma*, **Planetary and Space Science** **46**, 271–281 (1998).
129. **P. Farinella** & M. Menichella: *The flux of Tunguska-sized fragments from the main asteroid belt*, **Planetary and Space Science** **46**, 303–309 (1998).
130. I. Giblin, J.-M. Petit & **P. Farinella**: *Impact ejecta rotational bursting as a mechanism for producing stable Ida-Dactyl systems*, **Icarus** **132**, 43–52 (1998).
131. **P. Farinella**, D. Vokrouhlický & W.K. Hartmann: *Meteorite delivery via Yarkovsky orbital drift*, **Icarus** **132**, 378–387 (1998). Erratum in: **Icarus** **134**, 347 (1998).
132. A. Cordelli, **P. Farinella** & A. Rossi: *The influence of the fragmentation threshold on the long term evolution of the orbital debris environment*, **Planetary and Space Science** **46**, 691–699 (1998).
133. I. Giblin, G. Martelli, **P. Farinella**, P. Paolicchi, M. Di Martino & P.N. Smith: *The properties of fragments from catastrophic disruption events*, **Icarus** **134**, 77–112 (1998).
134. A. Rossi, L. Anselmo, A. Cordelli, **P. Farinella** & C. Pardini: *Modelling the evolution of the space debris population*, **Planetary and Space Science** **46**, 1583–1596 (1998).
135. D. Vokrouhlický & **P. Farinella**: *Orbital evolution of asteroidal fragments into the ν_6 resonance via Yarkovsky effects*, **Astronomy and Astrophysics** **335**, 351–362 (1998).
136. P. Michel, Ch. Froeschlé & **P. Farinella**: *Secular dynamics of asteroids in the inner Solar System*, **Celestial Mechanics and Dynamical Astronomy** **69**, 133–147 (1998).
137. P. Michel, **P. Farinella** & Ch. Froeschlé: *Dynamics of Eros*, **Astronomical Journal** **116**, 2023–2031 (1998).
138. D. Vokrouhlický & **P. Farinella**: *The Yarkovsky seasonal effect on asteroidal fragments: A non-linearized theory for the plane-parallel case*, **Astronomical Journal** **116**, 2032–2041 (1998).
139. D.R. Davis, **P. Farinella** & F. Marzari: *The missing Psyche family: Collisionally eroded or never formed?*, **Icarus** **137**, 140–151 (1999).

140. **P. Farinella** & D. Vokrouhlický: *Semimajor axis mobility of asteroidal fragments*, **Science** **283**, 1507–1510 (1999).
141. W.K. Hartmann, **P. Farinella**, D. Vokrouhlický, S.J. Weidenschilling, A. Morbidelli, F. Marzari, D.R. Davis & E. Ryan: *Reviewing the Yarkovsky effect: New light on the delivery of stones and irons from the asteroid belt*, **Meteoritics and Planetary Science** **34**, A161–A168 (1999).
142. A. Rossi, F. Marzari & **P. Farinella**: *Orbital evolution around irregular bodies*, **Earth Planets Space**, accepted (1999).
143. A. Rossi, G.B. Valsecchi & **P. Farinella**: *Risk of collision for constellation satellites*. **Nature** **399**, 743–744 (1999).

Scientific textbooks

- A. Milani, A.M. Nobili & **P. Farinella**: **Non-Gravitational Perturbations and Satellite Geodesy**, Adam Hilger Ltd, Bristol and Boston, 1987.
- B. Bertotti & **P. Farinella**: **Physics of the Earth and the Solar System – Dynamics and Evolution, Space Navigation, Space-Time Structure**, Astrophysics and Geophysics Monographs, Kluwer Academic Publishers, Dordrecht, 1990.

Conference proceedings:

Invited review papers (r) and contributions (c)

(* = submitted to refereeing)

- 1(c*). L. Mantegazza, P. Paolicchi, **P. Farinella** & F. Luzny: *The period distribution of close binary systems*, in **Close Binary Stars: Observations and Interpretation** (M.J. Plavec, D.M. Popper & R.K. Ulrich, Eds.), pp.23–26, Reidel, Dordrecht (1980).
- 2(c). **P. Farinella**, A. Milani & A.M. Nobili: *A method to measure the gravitational constant in an orbiting laboratory*, in **Atti del Terzo Convegno Nazionale di Relatività e Fisica della Gravitazione**, pp.225–227, Ed. Accademia delle Scienze di Torino, Torino (1981).
- 3(c*). **P. Farinella**, A. Milani, A.M. Nobili & F. Sacerdote: *Dynamics of an artificial satellite in an Earth-fixed reference frame : Effects of polar motions*, in **Reference Coordinate Systems for Earth Dynamics** (E.M. Gaposchkin & B. Kolaczek, Eds.), pp.271–274, Reidel, Dordrecht (1981).
- 4(c*). L. Anselmo, **P. Farinella**, A. Milani & A.M. Nobili: *Modelling of orbital perturbations due to radiation pressure for high Earth satellites*, in **Proceedings of the International Symposium on “Spacecraft Flight Dynamics”** (ESOC, Darmstadt, May 1981), pp.47–52, European Space Agency SP-160 (1981).
- 5(c). B. Bertotti, R. Bevilacqua, **P. Farinella**, P. Gianni, A. Milani & A.M. Nobili: *Determination of the geopotential’s resonant coefficients by laser tracking of a synchronous satellite*, in **Atti del Quarto Convegno Nazionale di Relatività Generale e Fisica della Gravitazione**, pp. 163–164, Tecnoprint, Bologna, (1981).
- 6(r*). **P. Farinella**, F. Ferrini, A. Milani, A.M. Nobili, P. Paolicchi & V. Zappalà: *The shape of small solar system bodies : Gravitational equilibrium vs. solid-state interactions*, in **The Comparative Study of the Planets** (A. Coradini & M. Fulchignoni, Eds.), pp. 71–77, Reidel, Dordrecht (1982).
- 7(r*). L. Anselmo, B. Bertotti, **P. Farinella**, A. Milani, A.M. Nobili & F. Sacerdote: *High precision track-*

- ing of synchronous satellites for geophysical purposes*, in **The Comparative Study of the Planets** (A. Coradini & M. Fulchignoni, Eds.), pp. 195–202, Reidel, Dordrecht (1982).
- 8(c*). **P. Farinella**, A. Milani, A.M. Nobili & F. Sacerdote: *Reference systems linkage from space*, in **Sun and Planetary System** (W. Fricke & G. Teleki, Eds.), pp. 197–198, Reidel, Dordrecht (1982).
- 9(c*). **P. Farinella**, A. Milani & A.M. Nobili: *High precision tracking of geosynchronous satellites: Oceanographic applications*, in **Sun and Planetary System** (W. Fricke & G. Teleki, Eds.), pp. 199–200, Reidel, Dordrecht (1982).
- 10(c*). S. Catalano, **P. Farinella**, A. Milani & A.M. Nobili: *Optical tracking of synchronous satellites for geophysical purposes*, in **Sun and Planetary System** (W. Fricke & G. Teleki, Eds.), pp. 201–202, Reidel, Dordrecht (1982).
- 11(c*). P. Paolicchi, **P. Farinella** & V. Zappalà: *Asteroid rotation rates : Comparison between theory and observations*, in **Sun and Planetary System** (W. Fricke & G. Teleki, Eds.), pp. 291–294, Reidel, Dordrecht (1982).
- 12(c*). P. Paolicchi, **P. Farinella** & V. Zappalà: *Asteroid collisional evolution : Outcomes of catastrophic impacts*, in **Sun and Planetary System** (W. Fricke & G. Teleki, Eds.), pp. 295–298, Reidel, Dordrecht (1982).
- 13(r). V. Zappalà, **P. Farinella** & P. Paolicchi: *Collisional evolution of asteroids*, **Hvar Observatory Bulletin Vol.6, No.1**, pp.147–155, 1982.
- 14(c). P. Paolicchi, V. Zappalà & **P. Farinella**: *Some ideas for a semiempirical theory of catastrophic impact processes among asteroids*, **Hvar Observatory Bulletin Vol.6, No.1**, pp.163–166, 1982.
- 15(c). **P. Farinella**, P. Paolicchi & V. Zappalà: *Fragmentation of Hyperion and cratering of Saturn's satellites*, **Hvar Observatory Bulletin Vol.6, No.1**, pp.167–172, 1982.
- 16(c*). V. Zappalà, **P. Farinella** & P. Paolicchi: *Collisional origin of asteroid families : Effects of the target's gravity*, in **Dynamical Trapping and Evolution in the Solar System** (V.V. Markellos & Y. Kozai, Eds.), pp. 177–188, Reidel, Dordrecht (1983).
- 17(c). **P. Farinella**, A. Milani, A.M. Nobili, P. Paolicchi & V. Zappalà: *The shape of the small bodies of the solar system : A comparative view*, in **Proceedings of the International Symposium on the Figure of the Earth, the Moon and Other Planets (Prague 1982)** (P. Holota, Ed.), pp. 433–438, Monograph Series of VUGTK, Prague (1983).
- 18(c). B. Bertotti, **P. Farinella**, A. Milani, A.M. Nobili & F. Sacerdote: *Linking reference systems from space*, in **The F.A.S.T. Thinkshop: Processing of Scientific Data from the E.S.A. Astrometry Satellite HIPPARCOS** (P.L. Bernacca, Ed.), pp. 403–404, Università di Padova, Padova (1983).
- 19(r*). V. Zappalà, **P. Farinella** & P. Paolicchi: *Collisional evolution of asteroids*, in **Asteroids Comets Meteors** (C.-I. Lagerkvist & H. Rickman, Eds.), pp. 3–10, Uppsala Universitet, Uppsala (1983).
- 20(c*). V. Zappalà, M. Di Martino, **P. Farinella** & P. Paolicchi: *An analytical method for the determination of the rotational direction of asteroids*, in **Asteroids Comets Meteors** (C.-I. Lagerkvist & H. Rickman, Eds.), pp.73–76, Uppsala Universitet, Uppsala (1983).
- 21(c*). **P. Farinella**, A. Milani, A.M. Nobili & P. Paolicchi: *Tidal breakup and origin of the Uranian ring system*, in **Anneaux Des Planètes - Planetary Rings** (Proc. I.A.U. Colloquium n.75, Toulouse 1982, A. Brahic Ed.), pp. 687–689, Cepadues Editions, Toulouse (1984).
- 22(c*). **P. Farinella**, P. Paolicchi & V. Zappalà: *Collisional outcomes in the asteroid belt*, in **Anneaux Des Planètes - Planetary Rings** (Proc. I.A.U. Colloquium n.75, Toulouse 1982, A. Brahic Ed.), pp. 713–715, Cepadues Editions, Toulouse (1984).
- 23(c). M. Carpino, **P. Farinella**, A. Milani & A.M. Nobili: *The changing geopotential and LAGEOS*, in **Proceedings International Symposium on Space Techniques for Geodynamics**, Sopron (Hungary), July 1984, Vol. 2, pp. 33–42, Hungarian Academy of Sciences, Sopron (1984).

- 24(c). M. Carpino, **P. Farinella**, A. Milani, A.M. Nobili & F. Sacerdote: *Determination of a local network from satellite laser tracking: Problems and perspectives*, in **Proceedings International Symposium on Space Techniques for Geodynamics**, Sopron (Hungary), July 1984, Vol. 2, pp. 53–59, Hungarian Academy of Sciences, Sopron (1984).
- 25(r). **P. Farinella**, P. Paolicchi & V. Zappalà: *Collisional evolution in the asteroid system*, **Memorie della Società Astronomica Italiana** **55**, pp. 489–492 (1984).
- 26(c). V. Zappalà, **P. Farinella** & P. Paolicchi: *The puzzling oscillation of Ceres' period*, **Bulletin of the American Astronomical Society** **16**, p. 1026 (1984).
- 27(c). A. Cellino, R. Pannunzio, V. Zappalà, **P. Farinella** & P. Paolicchi: *Do we observe lightcurves of binary asteroids?*, **Bulletin of the American Astronomical Society** **16**, p. 1027 (1984).
- 28(r*). V. Zappalà, **P. Farinella** & P. Paolicchi: *Asteroids: Rotational properties and evolution*, in **Contributions to the Symposium on U.S.–European Co–operation in the Exploration of the Planetary System** (Heidelberg, 25–27 April 1984), pp. 128–135, Space Science Committee of European Science Foundation, Strasbourg, 1985.
- 29(c*). **P. Farinella**, P. Paolicchi & V. Zappalà: *On the rotation of cometary nuclei and small asteroids*, in **Dynamics of Comets: Their Origin and Evolution** (A. Carusi & G.B. Valsecchi, Eds.), pp. 173–178, Reidel, Dordrecht (1985).
- 30(c*). **P. Farinella**, A. Milani, A.M. Nobili, P. Paolicchi & V. Zappalà: *The shapes and strengths of small icy satellites*, in **Ices in the Solar System** (J. Klinger, D. Benest, A. Dollfus & R. Smoluchowski, Eds.), pp. 699–710, Reidel, Dordrecht (1985).
- 31(c). **P. Farinella**, A. Milani & A.M. Nobili: *Giuseppe Colombo – a remembrance*, in **Stability of the Solar System and its Minor Natural and Artificial Bodies** (V. Szebehely, Ed.), pp. xiii–xv, Reidel, Dordrecht (1985).
- 32(r*). **P. Farinella**, P. Paolicchi & V. Zappalà: *Asteroid families*, in **Asteroids Comets Meteors II** (C.–I. Lagerkvist, B.A. Lindblad, H. Lundstedt & H. Rickman, Eds.), pp. 109–119, Uppsala Universitet, Uppsala (1986).
- 33(c*). **P. Farinella**, P. Paolicchi & V. Zappalà: *Collisional evolution of asteroids constrained by their present rotational properties*, in **Asteroids Comets Meteors II** (C.–I. Lagerkvist, B.A. Lindblad, H. Lundstedt & H. Rickman, Eds.), pp. 121–124, Uppsala Universitet, Uppsala (1986).
- 34(r). D.R. Davis, **P. Farinella**, P. Paolicchi & V. Zappalà: *Summary report on the international workshop “Catastrophic Disruption of Asteroids and Satellites” (Pisa, July 30– August 2, 1985)*, **Memorie della Società Astronomica Italiana** **57**, **1**, pp. 7–12 (1986).
- 35(c*). **P. Farinella**, P. Paolicchi, R.G. Strom & V. Zappalà: *The catastrophe of Hyperion*, in **The Solid Bodies of the Outer Solar System**, ESA SP-242, pp. 79–86 (1986).
- 36(c). **P. Farinella**, P. Paolicchi, Ch. Froeschlé, C. Froeschlé, R. Gonczy, M. Carpino, V. Zappalà & Z. Knežević: *Numerical experiments on the orbital evolution of family asteroids*, **Bulletin of the American Astronomical Society** **18**, p. 792 (1986).
- 37(c). V. Zappalà, A. Cellino, M. Di Martino, **P. Farinella** & P. Paolicchi: *Pole and density of 4 Vesta assuming a “spotted” model*, **Bulletin of the American Astronomical Society** **18**, p. 798 (1986).
- 38(r*). **P. Farinella**: *Small satellites*, in Proc. of the Int. School of Physics “E. Fermi” on **The Evolution of the Small Bodies of the Solar System** (M. Fulchignoni & Ľ. Kresák, Eds.), pp. 276–300, SIF-North Holland Physics Publishers (1987).
- 39(r*). **P. Farinella**: *Physical properties of asteroids*, in **Interplanetary Matter**, Proceedings 10th European Regional Meeting of the I.A.U. (Prague, Aug. 24–29, 1987), Vol. 2, Z. Ceplecha & P. Pecina Eds., pp. 111–119, Publ. of the Astron. Inst. of the Czech. Academy of Sciences, Prague 1987.

- 40(*r*). **P. Farinella**, P. Paolicchi, V. Zappalà, A. Milani, V. Pirronello & L. Anselmo: *PIAZZI: A Space Mission to the Apollo-Amor Asteroids*, Report AERITALIA, Space Systems Group, Torino (1987).
- 41(*r**). Cl. Froeschlé, **P. Farinella**, M. Carpino, Ch. Froeschlé, R. Gonczi, P. Paolicchi, V. Zappalà & Z. Knežević: *Asteroid families*, in **The Few Body Problem** (M.J. Valtonen Ed.), pp. 101–116, Kluwer Academic Publishers, Dordrecht (1988).
- 42(*r*). D.R. Davis & **P. Farinella**: *Summary report on the second international workshop on “Catastrophic disruption of small Solar System bodies”*, **Bulletin de l’Observatoire Astronomique de Belgrade** **138**, pp. 100–102 (1988).
- 43(*c*). **P. Farinella**, P. Paolicchi, A. Cellino & V. Zappalà: *Is Nereid a binary satellite?*, **Bulletin of the American Astronomical Society** **20**, p. 825 (1988).
- 44(*c*). V. Zappalà, A. Cellino, **P. Farinella**, P. Paolicchi & J. Drummond: *Vesta’s shape, density and albedo features*, **Bulletin of the American Astronomical Society** **20**, p. 865 (1988).
- 45(*c*). D.R. Davis, **P. Farinella** & P. Paolicchi: *An integrated model for collisional evolution of asteroid sizes and spins*, **Bulletin of the American Astronomical Society** **20**, p. 864 (1988).
- 46(*r**). **P. Farinella**, Cl. Froeschlé & Z. Knežević: *The puzzle of asteroid families*, in **Long–Term Dynamical Behaviour of Natural and Artificial N–Body Systems** (A.E. Roy, ed.), pp. 237–244, Kluwer, Amsterdam (1988).
- 47(*c*). P. Paolicchi, A. Cellino, D.R. Davis, **P. Farinella** & V. Zappalà: *Asteroid collisional evolution: The holistic approach*, in **Lunar and Planetary Science XX**, Part 2, pp. 816–817 (1989).
- 48(*r**). R.P. Binzel, **P. Farinella**, V. Zappalà & A. Cellino: *Asteroid rotation rates: Distributions and statistics*, in **Asteroids II** (R.P. Binzel, T. Gehrels & M.S. Matthews, eds.), University of Arizona Press, Tucson, pp. 416–441 (1989).
- 49(*r**). D.R. Davis, S.J. Weidenschilling, P. Farinella, P. Paolicchi & R.P. Binzel: *Asteroid collisional history: Effects on sizes and spins*, in **Asteroids II** (R.P. Binzel, T. Gehrels & M.S. Matthews, eds.), University of Arizona Press, Tucson, pp. 805–826 (1989).
- 50(*c**). V. Zappalà, A. Cellino & **P. Farinella**: *Hierarchical clustering: How to identify asteroid families and assess their reliability*, in **Asteroids Comets Meteors III** (C.–I. Lagerkvist, H. Rickman, B.A. Lindblad & M. Lindgren, Eds.), Uppsala Universitet, pp. 211–214 (1990).
- 51(*r**). **P. Farinella**: *Small solar system bodies*, in **Les Méthodes Modernes de la Mécanique Céleste - Modern Methods in Celestial Mechanics**, Comptes Rendus de la Treizième École de Printemps d’Astrophysique de Goutelas, 24 – 29 Avril 1989 (Cl. Froeschlé & D. Benest, Eds.), Editions Frontières, Gif-sur-Yvette, pp. 405–431 (1990).
- 52(*r*). **P. Farinella**: *Modelling the collisional history of the asteroid belt*, in **Nouveaux Développements en Planétologie Dynamique**, Comptes Rendus de la Table Ronde tenue à Vars, France, 26–31 Mars 1990, pp. 197–201 (1990).
- 53(*c*). P. Farinella, D.R. Davis, P. Paolicchi, A. Cellino & V. Zappalà: *On the collisional evolution of asteroid rotation rates*, **Lunar and Planetary Science XXI**, Part 1, pp. 345–346 (1990).
- 54(*c*). **P. Farinella**, D.R. Davis, A. Cellino & V. Zappalà: *The collisional lifetime of 951 Gaspra*, **Lunar and Planetary Science XXII**, Part 1, pp. 363–364 (1991).
- 55(*c**). G. Martelli, P. Rothwell, P.N. Smith, I. GIBLIN, J. Martinsson, E. Ducrocq, M. Wettstein, M. Di Martino & **P. Farinella**: *Jets of fragments from catastrophic break-up and their astrophysical implications*, in **Origin and Evolution of Dust in the Solar System**, Proc. IAU Coll. no. 126 (A.C. Levasseur-Regourd, Ed.), Kluwer Academic Publishers, Amsterdam, pp.385–388 (1991).
- 56(*r**). Ch. Froeschlé, **P. Farinella**, C. Froeschlé, Z. Knežević & A. Milani: *The locations of secular resonances and the evolution of small solar system bodies*, in **Resonance and Collective Dynamical Phe-**

- nomena in the Solar System** (S. Ferraz-Mello, Ed.), Kluwer Academic Publishers, Amsterdam, pp. 123–132 (1992).
- 57(c). D.R. Davis, **P. Farinella** & M. Carpino: *Asteroid collision frequencies: Variations in space and time*, **Lunar and Planetary Science XXIII**, Part 1, pp. 283–284 (1992).
- 58(r*). A. Milani, **P. Farinella** & Z. Knežević: *On the search for asteroid families*, in **Interrelations between Physics and Dynamics for Minor Bodies in the Solar System**, Comptes Rendus de la Quinzième École de Printemps d’Astrophysique de Goutelas, 29 Aprile – 4 Maggio 1991 (D. Benest & Cl. Froeschlé, Eds.), Editions Frontières, Gif-sur-Yvette, pp.85–132 (1992).
- 59(c). V. Zappalà, A. Cellino, **P. Farinella** & A. Milani: *Asteroid families: Extension to unnumbered multi-opposition asteroids*, **Bulletin of the American Astronomical Society 24**, p. 963 (1992).
- 60(c). D.R. Davis, **P. Farinella**, P. Paolicchi, A. Campo Bagatin, A. Cellino & V. Zappalà: *Collisional effect of tiny asteroids on their larger siblings*, **Bulletin of the American Astronomical Society 24**, p. 961 (1992).
- 61(c). **P. Farinella**, R. Gonczi, Ch. Froeschlé & C. Froeschlé: *Earth-crossing fragments from the S-type asteroid 6 Hebe*, **Bulletin of the American Astronomical Society 24**, p. 964 (1992).
- 62(r*). V. Zappalà, A. Cellino & **P. Farinella**: *A comparison between families obtained from different proper elements*, in **Asteroids, Comets, Meteors 1991** (A.W. Harris & E. Bowell, eds.), Lunar and Planetary Institute, Houston, pp.675–678 (1992).
- 63(c*). **P. Farinella**, D.R. Davis, A. Cellino & V. Zappalà: *From asteroid clusters to families: A proposal for a new nomenclature*, in **Asteroids, Comets, Meteors 1991** (A.W. Harris & E. Bowell, eds.), Lunar and Planetary Institute, Houston, pp.165–166 (1992).
- 64(c*). **P. Farinella**, R. Gonczi, Ch. Froeschlé & C. Froeschlé: *Injecting asteroid fragments into resonances*, in **Asteroids, Comets, Meteors 1991** (A.W. Harris & E. Bowell, eds.), Lunar and Planetary Institute, Houston, pp.167–170 (1992).
- 65(c*). B. Chauvineau, **P. Farinella** & F. Mignard: *Lifetime of binary asteroids vs. gravitational encounters and collisions*, in **Asteroids, Comets, Meteors 1991** (A.W. Harris & E. Bowell, eds.), Lunar and Planetary Institute, Houston, pp.113–116 (1992).
- 66(c*). **P. Farinella**, Ch. Froeschlé, R. Gonczi & C. Froeschlé: *Earth-crossing fragments from main-belt asteroids*, in **Meteoroids and their parent bodies** (J. Štohl & I.P. Williams, eds.) Astronomical Institute of the Slovak Academy of Science, Bratislava, pp. 101–104 (1993).
- 67(c). D.R. Davis, **P. Farinella**, P. Paolicchi, A. Campo Bagatin, A. Cellino & V. Zappalà: *Deviations from the straight line: Bumps (and grinds) in the collisionally evolved size distribution of asteroids*, **Lunar and Planetary Science XXIV**, Part 1, pp. 377–378 (1993).
- 68(c). **P. Farinella** & H. Rickman: *Impactor flux through geologic time*, in Newsletter of the Scientific Network **Impact Cratering and Evolution of Planet Earth** of the European Science Foundation (A. Montanari & J. Smit, eds.), May 26, 1993.
- 69(c). D.R. Davis, E.V. Ryan & **P. Farinella**: *Asteroid collisional evolution: Results using new scaling algorithms*, **Bulletin of the American Astronomical Society 25**, pp. 1116–1117 (1993).
- 70(c*). A. Campo Bagatin, **P. Farinella** & P. Paolicchi: *Collisional evolution of the asteroid size distribution: A numerical simulation*, **Celestial Mechanics 57**, pp. 403–404 (1993).
- 71(c*). A. Rossi, L. Anselmo, C. Pardini, A. Cordelli, **P. Farinella** & T. Parrinello: *Approaching the exponential growth: Parameter sensitivity of the debris evolution*, in *Proceedings of the First European Conference on Space Debris* (Darmstadt, Germany, April 1993), pp. 287–292, ESA SD-01 (1993).
- 72(c). **P. Farinella**: *Where do the meteorites come from?*, in **Atti del Primo Convegno Nazionale di Meccanica Celeste** (A. Celletti & E. Perozzi, eds.), pp. 14–15, Dip. di Matematica, Univ. di L’Aquila (1993).

- 73(c). **P. Farinella**: *Spacecraft orbital dynamics at the 10^{-12} m/s² level*, in **Atti del Primo Convegno Nazionale di Meccanica Celeste** (A. Celletti & E. Perozzi, eds.), pp. 93–95, Dip. di Matematica, Univ. di L'Aquila (1993).
- 74(r*). **P. Farinella**: *Space dynamics at the 10^{-12} m/s² level*, in **Relativistic Gravitational Experiments in Space**, Proc. Meeting held at the Univ. of Rome, September 10–14, 1990 (M. Demianski & C.W.F. Everitt, eds.), Advanced Series in Astrophysics and Cosmology Vol. 7, pp. 178–188, World Scientific, Singapore (1993).
- 75(r). V. Zappalà & **P. Farinella**: *Minor planets and meteorites*, in *Reports on Astronomy*, Transactions of the International Astronomical Union, Vol. XXIIA (Reports 1993), pp. 147–156 (1993).
- 76(c*). A. Cordelli, A. Rossi, C. Pardini, L. Anselmo & **P. Farinella**: *Long term evolution of debris clouds generated by explosions in Earth orbits*, paper AAS 94–157, Proc. AAS/AIAA Spaceflight Mechanics Meeting (Cocoa Beach, Florida, February 1994).
- 77(c). **P. Farinella** & D.R. Davis: *Will the real asteroid size distribution please step forward*, **Lunar and Planetary Science XXV**, Part 1, pp. 365–366 (1994).
- 78(c). H. Haack, K. Keil, E.R.D. Scott, M.D. Norman & **P. Farinella**: *Meteoritic constraints on the 500 Ma disruption of the L chondrite parent body*, **Lunar and Planetary Science XXV**, Part 2, pp. 495–496 (1994).
- 79(c). F. Marzari, V. Vanzani & **P. Farinella**: *Trojan collisional families as a source of short-period comets*, **Lunar and Planetary Science XXV**, Part 1, pp. 841–842 (1994).
- 80(r*). **P. Farinella**, C. Froeschlé & R. Gonczi: *Meteorite delivery and transport*, in **Asteroids, Comets, Meteors 1993** (A. Milani, M. Di Martino & A. Cellino, eds.), Proc. IAU Symp. 160, pp. 205–222, Kluwer, Dordrecht (1994).
- 81(r). V. Zappalà & **P. Farinella**: *Minor planets and meteorites, Report of IAU Commission 15*, in **Reports on Astronomy, Vol. XXIIA** (J. Bergeron, ed.), pp. 146–156 (1994).
- 82(r*). **P. Farinella**: *How many families are there and how old are they?*, in **Seventy–Five Years of Hirayama Asteroid Families** (Y. Kozai, R.P. Binzel & T. Hirayama, eds.), Astronomical Society of the Pacific Conference Series, Vol. 63, pp. 77–86 (1994).
- 83(c*). B. Chauvineau, **P. Farinella** & F. Mignard: *Orbits about a triaxial spinning body*, in **Seventy–Five Years of Hirayama Asteroid Families** (Y. Kozai, R.P. Binzel & T. Hirayama, eds.), Astronomical Society of the Pacific Conference Series, Vol. 63, pp. 45–51 (1994).
- 84(c*). B. Chauvineau & **P. Farinella**: *A Monte Carlo model for the evolution of binary Earth–approaching asteroids*, in **Seventy–Five Years of Hirayama Asteroid Families** (Y. Kozai, R.P. Binzel & T. Hirayama, eds.), Astronomical Society of the Pacific Conference Series, Vol. 63, pp. 214–219 (1994).
- 85(c). **P. Farinella**: *D’ou viennent les météorites?*, in **Actes du Colloque National de Planétologie de l’I.N.S.U.**, Toulouse, 13–16 June, 1994 (R. Bernhard, M.C. Festou & R. Foucaud, eds.), pp. S16–25 (1994).
- 86(c). **P. Farinella** & D.R. Davis: *Why are small Earth–approachers different?*, **Bulletin of the American Astronomical Society** 26, p. 1167 (1994).
- 87(c). **P. Farinella**: *In memoriam Giuseppe Martelli (1923–1994)*, **Icarus** 112, p. 302 (1995).
- 88(r). **P. Farinella**: *Where do meteorites come from?*, in: **Seminario di Astrofisica 1994** (G. Bertin, Ed.), pp. 91–95, Scuola Normale Superiore, Pisa (1995).
- 89(c*). A. Rossi, A. Cordelli, C. Pardini, L. Anselmo & **P. Farinella**: *Modelling the space debris evolution: Two new computer codes*, paper AAS 95–186, Proc. AAS/AIAA Meeting (Albuquerque, New Mexico, February 1995).
- 90(c*). C. Pardini, A. Cordelli, A. Rossi, L. Anselmo & **P. Farinella**: *The contribution of past fragmentation events to the uncatalogued orbital debris population*, paper AAS 95–348, Proc. AAS/AIAA Astrodynamics Specialist Conference (Halifax, Nova Scotia, August 1995).

- 91(c*). A. Rossi, A. Cordelli, C. Pardini, L. Anselmo, **P. Farinella** & R. Jehn: *Long term evolution of Earth orbiting objects*, paper IAA-95-IAA.6.4.06, presented at the 46th International Astronautical Congress (Oslo, Norway, October 1995).
- 92(c). D.R. Davis, E.V. Ryan & **P. Farinella**: *On how to scale disruptive collisions*, **Lunar and Planetary Science XXVI**, Part 1, pp. 319–320 (1995).
- 93(c) F. Marzari, H. Scholl, **P. Farinella** & D.R. Davis: *Collisional evolution of Trojan asteroids*, **Bulletin of the American Astronomical Society 27**, p. 1073 (1995).
- 94(c) A. Doressoundiram, A. Barucci, M. Fulchignoni, **P. Farinella**, P. Paolicchi, A. Verlicchi, F. Marzari & A. Cellino: *Occurrence of binaries in a semiempirical model of catastrophic impact processes*, **Bulletin of the American Astronomical Society 27**, p. 1075 (1995).
- 95(c) **P. Farinella**, D.R. Davis & S.J. Weidenschilling: *Collisional evolution of Kuiper belt objects*, **Bulletin of the American Astronomical Society 27**, p. 1123 (1995).
- 96(c). D.R. Davis & **P. Farinella**: *Short period comets: Primordial bodies or collisional fragments?*, **Lunar and Planetary Science XXVII**, Part 3, pp. 293–294 (1996).
- 97(r). **P. Farinella**: *Artificial satellites and space debris: Current Stocks, orbital distribution and monitoring activities*, in **Building Confidence in Outer Space Activities: CSBMs and Earth-to-Space Monitoring** (P. Gasparini Alves, Ed.), pp. 43–57, UNIDIR/Dartmouth Publ. Co., Aldershot 1996.
- 98(c). D.R. Davis, F. Marzari, S.J. Weidenschilling & **P. Farinella**: *Accretion in the outer solar system: On the formation of Neptune and Edgeworth–Kuiper objects*, **Bulletin of the American Astronomical Society 28**, p. 1082 (1996).
- 99(c). I. GIBLIN & **P. Farinella**: *Tumbling fragments from experiments simulating asteroidal catastrophic disruption*, **Bulletin of the American Astronomical Society 28**, p. 1102 (1996).
- 100(c). **P. Farinella**, F. Marzari & S. Matteoli: *The disruption of Hyperion and the formation of Titan’s atmosphere*, **Bulletin of the American Astronomical Society 28**, p. 1132 (1996).
- 101(c). S. Matteoli, **P. Farinella** & F. Marzari: *An impact origin for the atmosphere of Titan?*, in **Planetary Science — First Italian Meeting** (A. Manara, F. Migliorini & P. Paolicchi, Eds.), pp. 5–12, published by Alenia Spazio S.p.A. (1996).
- 102(c). F. Marzari, **P. Farinella** D.R. Davis & H. Scholl: *Collisional evolution of Trojan asteroids*, in **Planetary Science — First Italian Meeting** (A. Manara, F. Migliorini & P. Paolicchi, Eds.), pp. 33–39, published by Alenia Spazio S.p.A. (1996).
- 103(r). **P. Farinella**: *Delivering asteroid fragments to Earth*, in **Planetary Science — First Italian Meeting** (A. Manara, F. Migliorini & P. Paolicchi, Eds.), pp. 75–80, published by Alenia Spazio S.p.A. (1996).
- 104(c). D.R. Davis & **P. Farinella**: *Short period comets: Primordial bodies or collisional fragments?*, in **Planetary Science — First Italian Meeting** (A. Manara, F. Migliorini & P. Paolicchi, Eds.), pp. 123–127, published by Alenia Spazio S.p.A. (1996).
- 105(r*). **P. Farinella**, D.R. Davis & F. Marzari: *Asteroid families, old and young*, in **Completing the Inventory of the Solar System** (T.W. Rettig & J.M. Hahn, eds.), Astronomical Society of the Pacific Conference Series, Vol. 107, pp. 45–55 (1996).
- 106(c). D.R. Davis, **P. Farinella** & F. Marzari: *Small body tales: A comparison among three populations*, **Lunar and Planetary Science XXVIII**, pp. 287–288 (1997).
- 107(c). W.K. Hartmann, **P. Farinella**, S.J. Weidenschilling, E.V. Ryan, D. Vokrouhlický, F. Marzari, D. Spaute & D.R. Davis: *Yarkovsky effects: Consequences on meteorites and asteroids*, **Lunar and Planetary Science XXVIII**, pp. 517–518 (1997).

- 108(c). **P. Farinella**, F. Marzari, D. Vokrouhlický, W.K. Hartmann, D.R. Davis & S.J. Weidenschilling: *Meteorite delivery through Yarkovsky orbital drift*, **Bulletin of the American Astronomical Society** **29**, p. 1045 (1997).
- 109(c*). L. Anselmo, A. Cordelli, **P. Farinella**, C. Pardini & A. Rossi: *Modelling the evolution of the space debris population: Recent research work in Pisa*, Proceedings of the Second European Conference on Space Debris (ESOC, Darmstadt, 17–19 March 1997), ESA–SP–393, pp. 339–344 (1997).
- 110(c*). A. Cordelli & **P. Farinella**: *Numerical simulation of fragmentation processes*, Proceedings of the Second European Conference on Space Debris (ESOC, Darmstadt, 17–19 March 1997), ESA–SP–393, pp. 459–464 (1997).
- 111(c*). A. Rossi, C. Pardini, L. Anselmo, A. Cordelli & **P. Farinella**: *Effects of the RORSAT NaK drops on the long term evolution of the space debris population*, paper IAA-97-IAA.6.4.07, presented at the 48th International Astronautical Congress (Torino, Italy, October 1997).
- 112(c*). C. Pardini, L. Anselmo, A. Rossi, A. Cordelli & **P. Farinella**: *The 1997.0 CNUCE orbital debris reference model*, Paper AAS 98–173 presented at the AAS/AIAA Space Flight Mechanics Meeting (Monterey, California, February 1998), in **Spaceflight Mechanics 1998**, Vol. 99, *Advances in the Astronautical Sciences* (J.W. Middour, L.L. Sackett, L.A. D’Amario & D.V. Byrnes, Eds.), pp. 1041–1057, Univelt, San Diego, 1998.
- 113(r). **P. Farinella**: *Collisional disruption of natural satellites*, in **Impacts on Earth** (D. Benest & C. Froeschlé, Eds.), Lecture Notes in Physics vol. 505, pp. 67–76, Springer–Verlag, Berlin/Heidelberg 1998.
- 114(r). A. Campo Bagatin, A. Montanari & **P. Farinella**: *Impact energy flux on Earth in the last 150 My as inferred from the cratering record*, in **Impacts on Earth** (D. Benest & C. Froeschlé, Eds.), Lecture Notes in Physics vol. 505, pp. 184–198, Springer–Verlag, Berlin/Heidelberg 1998.
- 115(r). A. Rossi & **P. Farinella**: *Earth-orbiting debris cloud and its collisional evolution*, in **Impacts on Earth** (D. Benest & C. Froeschlé, Eds.), Lecture Notes in Physics vol. 505, pp. 199–223, Springer–Verlag, Berlin/Heidelberg 1998.
- 116(c). D.R. Davis & **P. Farinella**: *Collisional erosion of a massive Edgeworth–Kuiper belt: Constraints on the initial population*, **Lunar and Planetary Science XXIX**, Abstract n. 1437 (pp. 1437–1438), Lunar and Planetary Institute, Houston (CD-ROM), 1998.
- 117(c). D.R. Davis & **P. Farinella**: *Evolution of an initial massive Edgeworth–Kuiper belt: Accretion and collisional history*, **Bulletin of the American Astronomical Society** **30**, p. 1112 (1998).
- 118(c). Ch. Froeschlé, P. Michel & **P. Farinella**: *Dynamics of Eros*, **Bulletin of the American Astronomical Society** **30**, p. 1037 (1998).
- 119(c*). A. Rossi, L. Anselmo, C. Pardini, **P. Farinella** & A. Cordelli: *Interaction of the satellite constellations with the low Earth orbit debris environment*, in **Mission Design and Implementation of Satellite Constellations** (J.C. van der Ha, Ed.), pp. 327–335, International Astronautical Federation, 1998.
- 120(c). D.R. Davis, **P. Farinella** & S.J. Weidenschilling: *Accretion of a massive Edgeworth–Kuiper belt*, **Lunar and Planetary Science XXX**, Abstract n. 1883, Lunar and Planetary Institute, Houston (CD-ROM), 1999.

Popular science: books

1. P. Farinella, P. Paolicchi & V. Zappalà: **Gli Asteroidi**, Ed. Il Castello, Milano 1984.
2. E. Dilaghi Pestellini, P. Farinella & N. Lanciano: **Il Sole e l’Energia Solare**, Giunti Marzocco, Firenze 1991.

Popular science: articles

1. P. Farinella: *Voyager: incontro ravvicinato con Giove*, **L'Astronomia** **1**, pp. 27–34 (1979).
2. P. Farinella: *Gli enigmi di Plutone*, **L'Astronomia** **5**, pp. 9–13 (1980).
3. P. Farinella, P. Paolicchi, F. Ferrini, A. Milani & A.M. Nobili: *Risonanze e anelli nel sistema solare*, **Giornale di Astronomia** **6**, pp. 253–264 (1980).
4. P. Farinella: *Voyager da Saturno: le prime foto*, **L'Astronomia** **8**, pp. 28–29 (1981).
5. P. Farinella: *Urano, due secoli dopo*, **L'Astronomia** **10**, pp. 16–21 (1981).
6. P. Farinella, A. Milani & A.M. Nobili: *Mille anelli*, **L'Astronomia** **14**, pp. 19–26 (1982).
7. P. Farinella: *Il clima di Marte*, **L'Astronomia** **18**, pp. 18–23 (1982).
8. P. Farinella: *Le orbite risonanti e la catastrofe di Iperione*, **Orione** **6**, pp. 234–240 (1983).
9. P. Farinella: *Autogravità, forze di stato solido e piccoli corpi del sistema solare*, **Giornale di Astronomia** **8**, pp. 349–359 (1983).
10. P. Farinella: *Gli anelli di Urano*, **Astronomia 2000** **1**, pp. 38–42 (1983).
11. P. Farinella: *L'infanzia della Terra*, **L'Astronomia** **27**, pp. 4–10 (1983).
12. P. Farinella: *Io ed Europa, ghiaccio e fuoco*, **Astronomia 2000** **3**, pp. 38–43 (1983).
13. P. Farinella: *Ganimede e Callisto*, **Astronomia 2000** **4**, pp. 26–31 (1984).
14. P. Farinella: *Missione Galileo*, **Astronomia 2000** **5**, pp. 38–43 (1984).
15. P. Farinella, A. Milani & A.M. Nobili: *Un pioniere italiano dell'esplorazione spaziale*, **L'Astronomia** **32**, pp. 26–29 (1984).
16. P. Farinella: *Il perché del clima*, **Astronomia 2000** **6**, pp. 18–23 (1984).
17. P. Farinella: *Plutone e Caronte*, **Astronomia 2000** **8**, pp. 36–41 (1984).
18. P. Farinella: *La riscoperta dei piccoli mondi*, **L'Astronomia** **34**, pp. 21–27 (1984).
19. P. Farinella: *I pianeti delle altre stelle*, **Astronomia 2000** **10**, pp. 25–30 (1984).
20. P. Farinella & L. Anselmo: *Urano è vicino! Fra pochi mesi l'incontro col Voyager 2*, **L'Astronomia** **45**, pp. 30–35 (1985).
21. P. Farinella e V. Zappalà: *Paperino e gli asteroidi*, **L'Astronomia** **49**, pp. 20–25 (1985).
22. P. Farinella, A. Milani & A.M. Nobili: *Ricordo di Giuseppe Colombo*, **Giornale di Astronomia** **12**, **n.1**, pp. 3–5 (1986).
23. P. Farinella: *Gli Asteroidi*, **Sapere** **52**, **7**, pp. 33–41 (1986).
24. P. Farinella: *A che punto è l'astronomia ?*, **Insegnare** **2**, **2**, pp. 25–31 (1986).
25. P. Farinella: *Orbite e masse dei satelliti di Urano*, **L'Astronomia** **53**, pp. 34–35 (1986).
26. P. Farinella: *Dirottato da un raggio di sole*, **L'Astronomia** **56**, pp. 30–36 (1986).
27. P. Farinella, P. Paolicchi, V. Zappalà: *Massa mancante nel sistema solare*, **L'Astronomia** **62**, pp. 22–26 (1986).

28. P. Farinella: *Un itinerario particolare*, **L'Astronomia** **65**, pp. 15–16 (1987).
29. P. Farinella: *I paradossi della gravitazione*, **L'Astronomia** **65**, pp. 26–34 (1987).
30. P. Farinella: *L'Esplorazione del Sistema Solare*, **Scuola e Didattica** **16**, 15 maggio 1988, pp. 40–71.
31. P. Farinella: *Un altro LAGEOS darà ragione a Mach?*, **L'Astronomia** **76**, pp. 15–17 (1988).
32. P. Farinella: *L'astronomia, come e perchè*, **Nuova Secondaria** 15 ottobre 1988, pp. 82–83.
33. P. Farinella: *Proprietà fisiche degli asteroidi*, **Giornale di Astronomia**, **n.4**, pp. 11–22 (1988).
34. P. Farinella & C. Guaita: *Plutone e Caronte, nascondersi per scoprirsi*, **L'Astronomia** **87**, pp. 4–19 (1989).
35. P. Farinella: *La luna vent'anni dopo, cosa resta da capire*, **L'Astronomia** **90**, pp. 17–26 (1989).
36. P. Farinella, E. Molinari & M. Bossi: *Astronomia: dai moti apparenti degli astri alla scala delle distanze astronomiche*, inserto a **Scuola e Didattica**, **n.8**, 15 gennaio 1989.
37. P. Farinella & C. Guaita: *Nettuno prima del Voyager*, **L'Astronomia** **91**, pp. 7–21 (1989).
38. P. Farinella: *La Luna: un museo di archeologia planetaria*, **Scuola e Didattica**, **n. 10**(15 febbraio 1990), p. 47.
39. P. Farinella: *La Luna: moti orbitali e maree*, **Scuola e Didattica**, **n. 12** (15 marzo 1990), p. 48.
40. P. Farinella: *Spazio inquinato*, **Arancia Blu n.5**, pp. 65–68, maggio 1990.
41. P. Farinella: *Preferisco i robot*, **L'Astronomia** **108**, pp. 31–36 (1991).
42. P. Farinella: *La scienza e il caos*, **L'Astronomia** **114**, pp. 16–19 (1991).
43. P. Farinella: *Non era un LTP*, **L'Astronomia** **115**, pp. 69–70 (1991).
44. P. Farinella & C. Guaita: *Faccia a faccia con Gaspra*, **L'Astronomia** **117**, pp. 4–11 (1992).
45. P. Farinella & F. Turone: *Urti contro la Terra*, **Sapere** **58**, **1**, pp. 16–23, gennaio 1992.
46. P. Farinella: *Anche Nereide in rotazione caotica?*, **L'Astronomia** **121**, pp. 71–72 (1992).
47. P. Farinella: *Un'eruzione di Io osservata da Terra*, **L'Astronomia** **133**, pp. 5–6 (1993).
48. P. Farinella: *Una cometa spezzata*, **L'Astronomia** **133**, pp. 8–9 (1993).
49. P. Farinella: *Come si è spezzata la Shoemaker-Levy*, **L'Astronomia** **137**, pp. 9–10 (1993).
50. P. Farinella: *Risonanze e lacune*, **L'Astronomia** **137**, p. 35 (1993).
51. P. Farinella: *Chi produce le condriti?*, **L'Astronomia** **137**, p. 38 (1993).
52. P. Farinella: *Un asteroide sospetto*, **L'Astronomia** **142**, pp. 8–9 (1994).
53. P. Farinella: *Asteroidi "ubriachi"*, **L'Astronomia** **143**, pp. 7–8 (1994).
54. P. Farinella & Ch. Froeschlé: *À la découverte des astéroïdes*, in **Universalis** **1994**, pp. 189–196, Enciclopedia Universalis Éditeur, Paris (1994).
55. P. Farinella: *L'esplorazione del sistema solare*, in **Quaderno del Ventennale 1972–1992**, pp. 67–78, Liceo Scientifico Statale "G. Galilei", Manduria, 1994.
56. P. Farinella: *Pianetini visti da vicino*, **L'Astronomia** **150**, pp. 14–23 (1995).
57. D. Benest, P. Farinella & C. Froeschlé, *L'esprit de famille chez les astéroïdes*, **La Recherche** **275**, vol. 26, pp. 394–401, avril 1995.
58. P. Farinella: *Da Keplero a Newton*, **Nuova Secondaria** n. 6, anno XII, pp. 72–74, 15 febbraio 1995.
59. P. Farinella: *Newton, mago o scienziato?*, **Nuova Secondaria** n. 8, anno XII, pp. 75–76, 15 aprile 1995.

60. P. Farinella: *Gocce radioattive nello spazio*, **L'Astronomia** **156**, pp. 8–9 (1995).
61. P. Farinella: *Asteroidi sull'orlo del precipizio?*, **L'Astronomia** **156**, pp. 12–13 (1995).
62. P. Farinella: *Spazzatura cosmica*, **Sapere**, pp. 91–93, agosto 1995.
63. P. Farinella: *Giove, un anno dopo*, **Sapere**, pp. 48–52, dicembre 1995.
64. P. Farinella: *Chaotic routes between the asteroid belt and Earth*, **Meteorite!**, Vol. **2**, no. 2, pp. 8–10,
65. P. Farinella: *Paura di Eros?*, **Sapere**, pp. 88–90, agosto 1996.
66. P. Farinella: *La planetologia a congresso*, **L'Astronomia** **172**, pp. 4–5 (1996).
67. P. Farinella: *La fascia di Edgeworth–Kuiper*, **Il Cielo** **6**, pp. 30–32 (gennaio 1997).
68. P. Farinella: *Houston: Focus on Vesta and the HEDs*, **Meteorite!**, Vol. **3**, no. 1, pp. 32–33, February 1997.
69. P. Farinella: *Troiani fuggitivi*, **L'Astronomia** **174**, pp. 9–11 (1997).
70. P. Farinella: *Un satellite tra i satelliti*, **Sapere** **63**, **1**, pp. 81–85, febbraio 1997.
71. P. Farinella & A. Morbidelli: *Al di là di Nettuno*, **L'Astronomia** **176**, pp. 16–25 (1997).
72. P. Farinella: *L'origine della Terra e del Sistema Solare*, in “*La Terra nel Sistema Solare*”, pp. 9–23, Istituto Lombardo di Scienze e Lettere, Milano 1997.
73. P. Farinella: *La fine del Sistema Solare*, in “*La Terra nel Sistema Solare*”, pp. 111–124, Istituto Lombardo di Scienze e Lettere, Milano 1997.
74. P. Farinella: *Ai confini del Sistema Solare*, **Sapere**, pp. 9–12, agosto 1997.
75. P. Farinella & F. Marzari: *Titano e Iperione, una strana coppia*, **Coelum**, pp. 32–37, novembre 1997.
76. P. Farinella: *Planetas Jovianos calientes en torno a estrellas de tipo solar: Un desafío a nuestros modelos de formación planetaria*, **Universo** **31**, pp. 45–47, novembre 1997.
77. P. Farinella: *JAM (Joint Astrodynamacists & Meteoriticists) session report*, **Meteorite!**, novembre 1997, pp. 26–27.
78. P. Farinella: *Scienziati per il disarmo*, **Coelum**, gennaio 1998, pp. 54–55.
79. P. Farinella: *En su noventa aniversario — Tunguska: el enigma permanece*, **Universo** **38**, pp. 18–20, Junio 1998.
80. P. Farinella & A. Morbidelli: *Au-delà de Neptune: la ceinture d'Edgeworth–Kuiper*, **Ciel et Terre** **114**, n. 1, pp. 3–14, janvier–février 1998.
81. P. Farinella: *El origen de los cóndrulos* **Universo** **38**, pp. 20–24, Septiembre 1998.
82. L. Anselmo, B. Bertotti & P. Farinella: *Uno spazio affollato di detriti*, **Le Scienze** **361**, pp. 48–55, settembre 1998.
83. P. Farinella & G. Longo: *Il cratere che non c'è*, **Scienza Nuova**, pp. 36–37, settembre 1998.
84. P. Farinella: *Un reattore in orbita*, **Sapere**, pp. 78–81, ottobre 1998.
85. P. Farinella: *Plutone in serie B?*, **Coelum**, marzo 1999, pp. 54–55.

Papers on disarmament and international security

1. L. Anselmo, B. Bertotti & P. Farinella: *Security in space*, in **The Arms Race at a Time of Decision: Annals of Pugwash 1983** (J. Rotblat & A. Pascolini, Eds.), pp. 25–35, Macmillan, London (1984).
2. P. Farinella: *Armi antisatellite*, **SE – Scienza Esperienza** 16, pp. 16–18 (1984).
3. B. Bertotti, P. Farinella, E. Polacco, V.F. Polcaro & E. Jacchia: **Difese Antimissilistiche nello Spazio**, Studi e Ricerche del Centro di Studi Strategici, L.U.I.S.S., Rome, Novembre 1985.
4. P. Farinella: *Armi nello spazio: alta frontiera o ultima trincea?*, **L’Astronomia** 40, pp. 6–13 (1985).
5. P. Farinella: *Anche in Italia la ricerca si militarizza*, **Rinascita** n.50, pp. 30–31, 27 dic. 1986.
6. P. Farinella: *Informarsi sulle “Guerre Stellari”*, **Giornale di Astronomia** 12, n.2, pp. 38–40 (1986).
7. P. Farinella: *Gli astronomi italiani e le armi spaziali*, **L’Astronomia** 63, pp. 72–73 (1987).
8. D. Batani & P. Farinella: *Una costellazione minacciosa*, **Sapere** 53, n.3, pp. 7–17 (1987).
9. **P. Farinella: Il trattato ABM**, **Sapere** 53, n.8, pp. 9–15 (1987).
10. P. Farinella (Ed.): *Proceedings Meeting S.A.It. on “Scientific community vs. military uses of space”* (Rome, December 4, 1986), **Giornale di Astronomia** n.1-2, pp. 25–46 (1987).
11. B. Bertotti & P. Farinella: *Space weapons and arms control*, in **The Arms Race in the Era of Star Wars** (D. Carlton & C. Schaerf Eds.), pp. 257–271, Macmillan, London (1988).
12. P. Farinella & B. Bertotti: *Orbital mechanics and military satellites*, in **The Arms Race in the Era of Star Wars** (D. Carlton & C. Schaerf Eds.), pp. 272–283, Macmillan, London (1988).
13. P. Farinella & P. Miggiano: *Il peso degli interessi della difesa nella situazione italiana*, in “Dossier: L’Ipoteca Militare sulla Scienza”, **Politica Internazionale**, n. 4–5, pp. 112–122 (Aprile/Maggio 1988).
14. P. Farinella: *Satelliti militari e armi antisatellite*, **Orione**, Gennaio/Febbraio 1988, pp. 10–20.
15. P. Farinella & M.C. Spreafico: *The debate on alternative defence policies in Italy*, in **Perspectives on the Arms Race** (D. Carlton & C. Schaerf, Eds.), pp. 310–327, Macmillan, London (1989).
16. P. Farinella: *Difesa non nucleare e non offensiva sul fronte nordorientale italiano*, in **La Sicurezza dell’Italia — Problemi e Alternative** (R. Ragionieri, Ed.), pp. 141–161, Ed. Marietti, Genova 1989.
17. M.C. Spreafico & P. Farinella: *Difesa territoriale e difesa civile in Italia: I precedenti di un dibattito da riaprire*, in **La Sicurezza dell’Italia — Problemi e Alternative** (R. Ragionieri, Ed.), pp. 213–227, Ed. Marietti, Genova 1989.
18. F. Calogero, M. De Andreis, G. Devoto & P. Farinella: *Le idee di difesa alternativa ed il ruolo dell’Italia*, suppl. of **Rivista Militare**, Roma 1990.
19. P. Farinella: *Anders Boserup e il pacifismo degli anni 80*, **Giano – Ricerche per la Pace**, n. 6, pp. 103–109, 1990.
20. P. Farinella: *Il caso Mordechai Vanunu*, **Giano – Ricerche per la Pace**, n. 6, pp. 135–137, 1990.
21. P. Farinella: *La Conferenza sulla Sicurezza e la Cooperazione in Europa e le sfide del futuro*, **Giano – Ricerche per la Pace**, n. 7, pp. 113–120, 1991.
22. P. Farinella & V. Journé: *Justice for Vanunu*, **Bulletin of Atomic Scientists**, p. 14, Gennaio/Febbraio 1991.

23. D. Batani & P. Farinella: *The conventional balance in Europe: "Bean Count" or complex assessment?*, in **The Arms Race in an Era of Negotiations** (D. Carlton & C. Schaerf, Eds.), pp. 199–222, Macmillan, London 1991.
24. L. Anselmo, B. Bertotti & P. Farinella: *International surveillance of outer space for security purposes*, **Space Policy**, pp. 184–198, Agosto 1991.
25. P. Farinella & A. Castagnola (a cura di), **Guerre Stellari — Armi e Strategie per un'Apocalisse**, Ed. Sapere 2000, 1991.
26. P. Farinella: *Il disarmo convenzionale in Europa e le trattative di Vienna*, in **Il Disarmo in Europa** (G. Devoto, Ed.), pp. 41–61, Franco Angeli, Milano 1991.
27. P. Farinella: *Pax verdis*, **Sapere**, pp. 23–24, Novembre 1991.
28. P. Farinella & A. Cordelli: *The proliferation of orbiting fragments: A simple mathematical model*, **Science & Global Security 2**, pp. 365–378 (1991).
29. G. Devoto & P. Farinella: *Armamenti*, **Storia dell'Oggi** n.26, suppl. of **L'Unità**, 12 gennaio 1992.
30. P. Farinella & L. Anselmo: *Monitoring and regulating dangerous space activities*, in **Space and Nuclear Weaponry in the 1990s** (C. Schaerf, G. Longo & D. Carlton, Eds.), pp. 47–70, Macmillan, London 1992.
31. P. Farinella: *Il rischio nucleare continua*, **Giano – Ricerche per la Pace**, n. 16, pp. 11–26, 1994.
32. G. Catalano, M. Dassù, M. De Andreis, G. Devoto, P. Farinella, G. Nardulli & R. Ragionieri: *Italian military policy after the cold war: A reform proposal*, in **Shaping our Common Future: Dangers and Opportunities**, Proceedings of the Forty-second Pugwash Conference on Science and World Affairs (Berlin, 11–17 September 1992), Vol. I, pp. 332–346, World Scientific, Singapore 1994.
33. P. Farinella: *Energia nucleare nello spazio: necessari nuovi accordi internazionali*, **Monitoraggio della Proliferazione** n. 2, Novembre/Dicembre 1994.
34. G. Devoto, P. Farinella & G. Nardulli: *La proliferazione nucleare in Asia*, in **Controllo o disordine: Il futuro della proliferazione nucleare** (M. Primicerio, Ed.), pp. 98–125, Franco Angeli Editore, Milano 1995.
35. P. Farinella: *Quattro libri sulla bomba*, **Sapere**, pp. 70–73, Dicembre 1995.
36. P. Farinella: *Artificial satellites and space debris: Current Stocks, orbital distribution and monitoring activities*, in **Building Confidence in Outer Space Activities: CSBMs and Earth-to-Space Monitoring** (P. Gasparini Alves, Ed.), pp. 43–57, UNIDIR/Dartmouth Publ. Co., Aldershot 1996.
37. P. Farinella: *The Vanunu case and the Israeli nuclear arsenal*, in **Fifty Years of Nuclear Weapons — Castiglioncello 1995**, Proceedings of the 6th Castiglioncello conference (P. Cotta Ramusino, Ed.), pp. 149–153, USPID, Milano 1996.
38. P. Farinella: *Scienziati per il disarmo*, **Coelum**, pp. 54–55, gennaio 1998.
39. P. Farinella: *In via di sviluppo, nucleare*, **Scienza Nuova**, pp. 32–33, luglio 1998.