

Refereed papers in scientific journals

1. H. Rickman, L. Jorda: "Comet 46P/Wirtanen, The Target of the Rosetta Mission", *Adv. Space Res.* **21**, (11)1491–(11)1504, 1998
2. N. Thomas, H.U. Keller, E. Arijs, C. Barbieri, M. Grande, P. Lamy, H. Rickman, R. Rodrigo, K.-P. Wentzel, M.F. A'Hearn, F. Angrilli, M. Bailey, M.A. Barucci, J.-L. Bertaux, K. Brieff, J.A. Burns, G. Cremonese, W. Curdt, H. Deceuninck, R. Emery, M. Festou, M. Fulle, W.-H. Ip, L. Jorda, A. Korth, D. Koschny, J.-R. Kramm, E. Kührt, L.M. Lara, A. Llebaria, J.J. Lopez-Moreno, F. Marzari, D. Moreau, C. Muller, C. Murray, G. Naletto, D. Nevejans, R. Ragazzoni, L. Sabau, A. Sanz, J.-P. Sivan, G. Tondello: "OSIRIS – The Optical, Spectroscopic and Infrared Remote Imaging System for the Rosetta Orbiter", *Adv. Space Res.* **21**, (11)1505–(11)1515, 1998
3. Yu. Skorov, H. Rickman: "Simulation of Gas Flow in a Cometary Knudsen Layer", *Planet. Space Sci.* **46**, 975–996, 1998
4. M.J. Valtonen, J.Q. Zheng, S. Mikkola, P. Nurmi, H. Rickman: "Monte Carlo Simulations of Comet Capture from the Oort Cloud", *Cel. Mech. & Dyn. Astron.* **69**, 89–102, 1998
- * 5. Yu.V. Skorov, H. Rickman: "Gas Flow and Dust Acceleration in a Cometary Knudsen Layer", *Planet. Space Sci.* **47**, 935–949, 1999
- * 6. J.A. Fernández, G. Tancredi, H. Rickman, J. Licandro: "The Population, Physical Properties, and Sizes of Jupiter Family Comets" *Astron. Astrophys.* **352**, 327–340, 1999
7. J. Licandro, G. Tancredi, M. Lindgren, H. Rickman, R. Gil Hutton: "CCD Photometry of Cometary Nuclei I: Observations from 1990–1995", *Icarus* **147**, 161–179, 2000
- * 8. C. Mileikowsky, F.A. Cucinotta, J.W. Wilson, B. Gladman, G. Horneck, L. Lindegren, J. Melosh, H. Rickman, M. Valtonen, J.Q. Zheng: "Natural Transfer of Viable Microbes in Space. Part I: From Mars to Earth and Earth to Mars", *Icarus* **145**, 391–427, 2000
- * 9. G. Tancredi, J.A. Fernández, H. Rickman, J. Licandro: "A catalog of observed nuclear magnitudes of Jupiter family comets", *Astron. Astrophys. Suppl.* **146**, 73–90, 2001
- * 10. H. Rickman, G.B. Valsecchi, Cl. Froeschlé: "From the Oort Cloud to Observable Short-Period Comets. I. The Initial Stage of Cometary Capture", *Mon. Not. R. astron. Soc.* **325**, 1303–1311, 2001
11. M.C. Festou, M. Gunnarsson, H. Rickman, A. Winnberg, G. Tancredi: "The Activity of Comet 29P/Schwassmann-Wachmann 1 Monitored Through its CO J=2-1 Radio Line", *Icarus* **150**, 140–150, 2001
- * 12. M. Gunnarsson, H. Rickman, M.C. Festou, A. Winnberg, G. Tancredi: "An Extended CO Source around Comet 29P/Schwassmann-Wachmann 1", *Icarus* **157**, 309–322, 2002
13. M. Gunnarsson, D. Bockelée-Morvan, A. Winnberg, H. Rickman, J. Crovisier, N. Biver, P. Colom, J.K. Davies, D. Despois, F. Henry, L.E.B. Johansson, R. Moreno, G. Paubert, F.T. Rantakyro, H. Rauer: "Production and Kinematics of CO in Comet C/1995 O1 (Hale-Bopp) at Large Post-Perihelion Distances", *Astron. Astrophys.* **402**, 383–393, 2003

- ** 14. P. Nurmi, M.J. Valtonen, J.Q. Zheng, H. Rickman: "Long-term evolution of Oort cloud comets: Capture of comets", *Mon. Not. R. astron. Soc.* **333**, 835–846, 2002
- 15. 58 authors including H. Rickman: "Highlights from the first year of Odin observations", *Astron. Astrophys.* **402**, L39–L46, 2003
- * 16. 22 authors including H. Rickman: "Observations of water in comets with Odin", *Astron. Astrophys.* **402**, L55–L58, 2003
- ** 17. H. Rickman, Ch. Froeschlé, Cl. Froeschlé, G.B. Valsecchi: "Stellar perturbations on the scattered disk", *Astron. Astrophys.* **428**, 673–681, 2004
- 18. G. Tancredi, J.A. Fernández, H. Rickman, J. Licandro: "Nuclear Magnitudes and Size Distribution of Jupiter Family Comets", *Icarus*, submitted 2005

Refereed conference publications, including invited papers

- * 1. H. Rickman: "Composition and Physical Properties of Comets", in *Solar System Ices*, eds. B. Schmitt *et al.*, pp. 395–417, 1998
- 2. M. Pätzold, F.M. Neubauer, A. Wennmacher, K. Aksnes, J.D. Anderson, S.W. Asmar, M. Tinto, B.T. Tsurutani, D.K. Yeomans, J.-P. Barriot, M.K. Bird, H. Boehnhardt, E. Gill, O. Montenbruck, E. Grün, B. Häusler, W.-H. Ip, N. Thomas, E.A. Marouf, H. Rickman, M.K. Wallis, N.C. Wickramasinghe: "Rosetta Radio Science Investigations", in *Dynamics and Astrometry of Natural and Artificial Celestial Bodies*, eds. I.M. Wytrzyszczak *et al.*, pp. 141–148, 1997
- 3. H. Rickman, J.M. Greenberg: "Tidal Splitting of Comets in Earth's Vicinity", *Highl. Astron.*, ed. J. Andersen, vol. **11A**, pp. 262–265, 1998
- * 4. D. Bockelée-Morvan, H. Rickman: "C/1995 O1 (Hale-Bopp): Gas Production Curves and their Interpretation", *Earth, Moon & Planets* **79**, 55–77, 1999
- 5. N. Biver, D. Bockelée-Morvan, P. Colom, J. Crovisier, B. Germain, E. Lellouch, J.K. Davies, W.R.F. Dent, R. Moreno, G. Paubert, J. Wink, D. Despois, D.C. Lis, D. Mehringer, D. Benford, M. Gardner, T.G. Phillips, M. Gunnarsson, H. Rickman, A. Winnberg, P. Bergman, L.E.B. Johansson, H. Rauer, "Long-term evolution of the outgassing of comet Hale-Bopp from Radio Observations", *Earth, Moon & Planets* **78**, 5–11, 1999
- 6. P. Nurmi, M.J. Valtonen, J.Q. Zheng, S. Mikkola, H. Rickman: "Monte Carlo Simulations of Oort Cloud Comets: The Influence of Mantle Blow-off on the Inclination Distribution of the Jupiter Family", *Earth, Moon & Planets* **77**, 239–244, 1999
- 7. G. Possnert, J. Lagerros, H. Rickman: "Radiation damage in OSIRIS filter substrates", in *Advances in Optical Interference Coatings*, SPIE Proceedings Series, Vol. 3738, pp. 428–435, 1999
- ** 8. H. Rickman: "Current questions in cometary dynamics", in *Comets II*, eds. M.C. Festou *et al.*, Univ. Arizona Press, pp. 205–208, 2005
- ** 9. H. Rickman: "Transport of comets to the inner Solar System", proc. of IAU Coll. 197, eds. Z. Knezevic & A. Milani, Cambridge Univ. Press, pp. 277–288, 2005

Books

1. *Collisional Processes in the Solar System*, eds. M.Ya. Marov and H. Rickman, Kluwer ASSL, Vol. **261**, 2001 (357 pp.)
2. Trans. IAU Vol. XXIVB, Proc. of the XXIVth GA, Manchester 2000, ed. H. Rickman, ASP, 2001 (872 pp.)
3. Highl. of Astron. Vol. **12**, ed. H. Rickman, ASP, 2002 (800 pp.)
4. Trans. IAU Vol. XXVA, Reports on Astron., ed. H. Rickman, ASP, 2003 (457 pp.)

Popular articles

1. H. Rickman: "En gång forsade vattnet på Mars", *Forskning & Framsteg*, No. 5, pp. 10–14, 1997
2. H. Rickman: "Tack och farväl, Hale-Bopp!", *Astron. Tidsskr.* **30/2**, 17–23, 1997
3. H. Rickman: "Stjärnkatalog med suverän precision", *Astron. Tidsskr.* **30/3**, 8–11, 1997
4. H. Rickman: "Mer resurser – så klarar vi kometkrocken", *Natur & Vetenskap* Nr. 9, p. 82, 1998
5. H. Rickman: "La formation du Système Solaire", in *Invitation aux planètes*, eds. D. Benest and C. Froeschlé, pp. 103–158, 1999
6. H. Rickman: "Hur stora är kometerna?", *Astronomisk Tidskrift*, No. 3, pp. 8–10, 2000
7. C.-I. Lagerkvist, H. Rickman: "På besök hos Eros", *Forskning & Framsteg*, No. 2, pp. 34–39, 2001
8. H. Rickman, C. Mileikowsky, L. Lindegren: "Livets vägar genom rymden", *Populär Astronomi*, No. 3, pp. 19–22, 2001
9. H. Rickman: "Måltavlan jorden", *Populär Astronomi*, No. 1, pp. 28–31, 2002
10. H. Rickman: "Rosetta och jakten på vårt ursprung", *Populär Astronomi*, No. 1, pp. 6–13, 2004
11. H. Rickman: "Rosetta – On the hunt for our origin", *Nordic Space Activities*, No. 4, p. 15, 2003
12. H. Rickman: "Vattnets historia", *Forskning & Framsteg*, in press 2005
13. H. Rickman: "Siktet inställt på 2029!", *Populär Astronomi*, No. 1, p. 14, 2005