

Publication List

Dr. Bengt Eliasson

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Articles in refereed journals

The published papers are distributed as follows

| Journal | # publ. |
|-------------------------------------------------------------|---------|
| Physics of Plasmas | 37 |
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| Philosophical Transactions of the Royal Society A | 1 |
| Journal Scientific Computing | 1 |
| Optics Communications | 1 |
| Nonlinear Processes in Geophysics | 1 |
| The Astrophysical Journal | 1 |
| Monthly Notices of the Royal Astronomical Society | 1 |
| Baltic Astronomy | 1 |
| Plasma and Fusion Research | 1 |
| Total: | 170 |

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Conference and Workshop contributions (The presenting author is underlined)

1. X. Shao, T.-C. Liu, C.-S. Liu, B. Eliasson, J. Wang, and S.-H. Chen: Generation of whistler waves by continuous HF heating of the upper ionosphere. Bulletin of the APS, 55th Annual Meeting of the APS Division of Plasma Physics Volume 58, Number 16 (2013). Monday-Friday, November 11-15, 2013; Denver, Colorado. Abstract GP8.00097. Poster presentation.
2. G. M. Milikh, B. Eliasson, X. Shao, B. Djordjevic, E. V. Mishin, K. Zawdie, and K. Papadopoulos: Geometric Aspects of artificial ionospheric layers driven by high-power HF-heating. AGU Fall Meeting, San Francisco, 9-13 December 2013. Abstract SA21A-2006. Poster presentation.
3. A. Vartanyan, G. M. Milikh, B. E. Eliasson, A. S. Sharma, C.-L. Chang, M. Parrot, and K. Papadopoulos: Generation of whistler waves by continuous HF heating of the upper ionosphere. AGU Fall Meeting, San Francisco, 9-13 December 2013. Abstract SA21A-2013. Poster presentation.
4. B. Eliasson, X. Shao, K. Papadopoulos, and G. M. Milikh, Modeling ELF wave injection and propagation into the magnetosphere by the ionospheric current drive, AGU Fall Meeting, San Francisco, Calif. 3-7 December 2012. Abstract SA12A-04. Talk.
5. G. M. Milikh, B. Eliasson, X. Shao, E. V. Mishin, and K. Papadopoulos, Numerical modeling of artificial ionospheric layers driven by high-power HF-heating. AGU Fall Meeting, San Francisco, Calif. 3-7 December 2012. Abstract SA13A-2150. Poster presentation.
6. A. Vartanyan, B. Eliasson, G. M. Milikh, X. Shao, and K. Papadopoulos, Modeling of wave dynamics following modulated ionospheric heating. AGU Fall Meeting, San Francisco, Calif. 3-7 December 2012. Abstract SA13A-2157. Poster presentation.
7. B. Eliasson, Relativistic X-ray quantum free electron lasers: a collective Klein-Gordon model. Joint 39th European Physical Society Conference on Plasma Physics and 16th International Congress on Plasma Physics, Stockholm, Sweden, 2-6 July 2012. Invited talk I3.212.
8. P. K. Shukla, B. Eliasson, and L. Stenflo, Hydromagnetic solitary and shocks waves in a magnetoplasma, Joint 39th European Physical Society Conference on Plasma Physics and 16th International Congress on Plasma Physics, Stockholm, Sweden, 2-6 July 2012. Poster presentation P4.180.
9. M. Holmström and B. Eliasson, Modeling the Lunar Plasma wake. Joint 39th European Physical Society Conference on Plasma Physics and 16th International Congress on Plasma Physics, Stockholm, Sweden, 2-6 July 2012. Oral presentation O5.409.
10. C. S. Liu, X. Shao, T. C. Liu, J. J. Su, M. Q. He, B. Eliasson, V. K. Tripathi, G. Dudnikova, R. Z. Sagdeev, S. Wilks, C. D. Chen, and Z. M. Sheng, Laser radiation pressure accelerator for quasi-monoenergetic proton generation and its medical implications. In K. Yamanouchi, M. Nisoli, and W. T. Hill III (Editors) Progress in Ultrafast Intense Laser Science VIII Springer Series in Chemical Physics, Vol. 103, doi:10.1007/978-3-642-28726-8_9. (Springer-Verlag, Berlin Heidelberg, 2012). Chapter 9, pp. 177-193. ISBN-10: 3642287255, ISBN-13: 978-3642287251.
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