

Year	Author(s)	Title	Cat.	Link	DOI
1996	Bisikalo, D. V., Shematovich, V. I., Gérard, J.-C., Gladstone, G. R., & Waite, J. H.	The distribution of hot hydrogen atoms produced by electron and proton precipitation in the Jovian aurora. <i>JGR</i> , 101, 21157-21168.	Theory	http://hdl.handle.net/2268/27467	
2001	Cowley, S.W.H. , E.J. Bunce	Origin of the main auroral oval in Jupiter's coupled magnetosphere-ionosphere system, <i>Planet. Space Sci.</i> 49 1067–1088	Theory		
2001	Grodent, D., J.-C. Gérard, J. H. Waite Jr.	A self-consistent model of the Jovian auroral thermal structure, <i>JGR</i> , 106, 12,933-12,95	Theory	http://onlinelibrary.wiley.com/doi/10.1029/2000JA900129/abstract	10.1029/2000JA900129
2002	George Millward, Steve Miller, Tom Stallard, Alan D. Aylward, Nicholas Achilleos	On the Dynamics of the Jovian Ionosphere and Thermosphere: III. The Modelling of Auroral Conductivity, <i>Icarus</i> , 160, 95–107	Theory		doi:10.1006/icar.2002.6951
2003	Abel, B., R M. Thorne	Relativistic charged particle precipitation into Jupiter's sub-auroral atmosphere, <i>Icarus</i> 166, 311–319	Theory		doi:10.1016/j.icarus.2003.08.017
2003	Delamere, P. A., Bagenal, F., Ergun, R., Su, Y.-J.	Momentum transfer between the Io plasma wake and Jupiter's ionosphere, <i>JGRSP</i> , 108, A6, CiteID 1241	Theory	http://adsabs.harvard.edu/abs/2003JGRA..108.1241D	10.1029/2002JA009530
2003	Saur et al.	An acceleration mechanism for the generation of the main auroral oval on Jupiter	Theory	http://onlinelibrary.wiley.com/doi/10.1029/2002GL015761/abstract	
2004	Bunce, E. J., S. W. H. Cowley, and T. K. Yeoman	Jovian cusp processes: Implications for the polar aurora, <i>JGR</i> , 109, A09S13	Theory		doi:10.1029/2003JA010280
2005	George Millward, Steve Miller, Tom Stallard, Nicholas Achilleos, Alan D. Aylward	On the Dynamics of the Jovian Ionosphere and Thermosphere: IV. Ion-neutral coupling, <i>Icarus</i> , 173, 200-211	Theory		doi:10.1016/j.icarus.2004.07.027
2009	Ergun et al.	Generation of parallel electric fields in the Jupiter-Io torus wake region	Theory	http://onlinelibrary.wiley.com/doi/10.1029/2008JA013968/full	
2009	Hess, S., Zarka, P., Mottez, F., Ryabov, V. B.	Electric potential jumps in the Io-Jupiter flux tube, <i>P&SS</i> , 57, 1, 23-33	Theory	http://adsabs.harvard.edu/abs/2009P%26SS...57...23H	10.1016/j.pss.2008.10.006
2009	Majeed, T., J. H. Waite, S. W. Bougher, and G. R. Gladstone	Processes of auroral thermal structure at Jupiter: Analysis of multispectral temperature observations with the Jupiter Thermosphere General Circulation Model, <i>JGR</i> , 114, E07005	Theory		doi:10.1029/2008JE003194
2009	Ray et al.	Current-voltage relation of a centrifugally confined plasma	Theory	http://onlinelibrary.wiley.com/doi/10.1029/2008JA013969/abstract	
2010	Hess, S. L. G., Delamere, P., Dols, V., Bonfond, B., & Swift, D.	Power transmission and particle acceleration along the Io flux tube, <i>JGR</i> , 115.	Theory	http://hdl.handle.net/2268/71418	
2010	Ray et al.	Magnetosphere-ionosphere coupling at Jupiter: Effect of field-aligned potentials on angular momentum transport	Theory	http://onlinelibrary.wiley.com/doi/10.1029/2010JA015423/abstract	
2013	Hess, S., Bonfond, B., & Delamere, P.	How could the Io footprint disappear? <i>Planet. Space Sci.</i> , 89, 102-110.	Theory	http://hdl.handle.net/2268/155567	doi:10.1016/j.pss.2013.08.014
2015	Ray et al.	The effect of including field-aligned potentials in the coupling between Jupiter's thermosphere, ionosphere, and magnetosphere	Theory	http://onlinelibrary.wiley.com/doi/10.1002/2015JA021319/abstract	