

**BlackLight Power, Inc. Publications:
Journals, Proceedings and Book**

1. R. L. Mills, Y. Lu, K. Akhtar, "Spectroscopic Observation of Helium-Ion- and Hydrogen-Catalyzed Hydrino Transitions," *Cent. Eur. J. Phys.*, (2009), doi: 10.2478/s11534-009-0106-9.
2. R. Mills, W. Good, P. Jansson, J. He, Stationary Inverted Lyman Populations and Free-Free and Bound-Free Emission of Lower-Energy State Hydride Ion formed by and Exothermic Catalytic Reaction of Atomic Hydrogen and Certain Group I Catalysts, *Cent. Eur. J. Phys.*, (2009), doi: 10.2478/s11534-009-0052-6.
3. K. Akhtar, J. Scharer, R. L. Mills, "Substantial Doppler Broadening of Atomic Hydrogen Lines in DC and Capacitively Coupled RF Plasmas," *J. Physics D: Appl. Phys.*, Vol. 42, Issue 13 (2009), 135207 (12pp).
4. R. Mills, W. Good, J. He, Excess Power and the Product Molecular Hydrino $H_2(1/4)$ Generated in a K_2CO_3 Electrolysis Cell, *Electrochimica Acta*, Vol. 54, (2009), 4229–4236.
5. R.L. Mills, K. Akhtar, "Tests of Features of Field-Acceleration Models for the Extraordinary Selective H Balmer α Broadening in Certain Hydrogen Mixed Plasmas," *Int. J. Hydrogen Energy*, Vol. 34, (2009), 6465–6477.
6. R. L. Mills, G. Zhao, K. Akhtar, Z. Chang, J. He, Y. Lu, W. Good, G. Chu, B. Dhandapani, "Commercializable Power Source from Forming New States of Hydrogen," *Int. J. Hydrogen Energy*, Vol. 34, (2009), 573–614.
7. R.L. Mills, "Physical Solutions of the Nature of the Atom, Photon, and Their Interactions to Form Excited and Predicted Hydrino States," *Physics Essays*, Vol. 20, (2007), 403–460.
8. R. L. Mills, "Exact Classical Quantum Mechanical Solution for Atomic Helium which Predicts Conjugate Parameters from a Unique Solution for the First Time," *Physics Essays*, Vol. 21(2), (2008), 103–141.
9. R. L. Mills, P. C. Ray, R. M. Mayo, M. Nansteel, W. Good, P. Jansson, B. Dhandapani, J. He, "Hydrogen Plasmas Generated Using Certain Group I Catalysts Show Stationary Inverted Lyman Populations and Free-Free and Bound-Free Emission of Lower-Energy State Hydride," *Res. J. Chem Env.*, Vol. 12(2), (2008), 42–72.
10. R. L. Mills, B. Dhandapani, K. Akhtar, "Excessive Balmer α Line Broadening of Water-Vapor Capacitively-Coupled RF Discharge Plasmas," *Int. J. Hydrogen Energy*, Vol. 33, (2008), 802–815.

11. R. L. Mills, J. He, M. Nansteel, B. Dhandapani, "Catalysis of Atomic Hydrogen to New Hydrides as a New Power Source," *International Journal of Global Energy Issues (IJGEI)*. Special Edition in Energy Systems, Vol. 28, issue 2–3, (2007), 304–324.
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13. J. Phillips, C. K. Chen, R. L. Mills, "Evidence of Catalytic Production of Hot Hydrogen in RF-Generated Hydrogen/Argon Plasmas," *Int. J. Hydrogen Energy*, Vol. 32(14), (2007), 3010–3025.
14. R. L. Mills, J. He, Y. Lu, M. Nansteel, Z. Chang, B. Dhandapani, "Comprehensive Identification and Potential Applications of New States of Hydrogen," *Int. J. Hydrogen Energy*, Vol. 32(14), (2007), 2988–3009.
15. R. L. Mills, J. He, Z. Chang, W. Good, Y. Lu, B. Dhandapani, "Catalysis of Atomic Hydrogen to Novel Hydrogen Species $H(1/4)$ and $H_2(1/4)$ as a New Power Source," *Int. J. Hydrogen Energy*, Vol. 32(13), (2007), pp. 2573–2584.
16. R. L. Mills, "Maxwell's Equations and QED: Which is Fact and Which is Fiction," *Physics Essays*, Vol. 19, (2006), 225–262.
17. R. L. Mills, P. Ray, B. Dhandapani, Evidence of an energy transfer reaction between atomic hydrogen and argon II or helium II as the source of excessively hot H atoms in radio-frequency plasmas, *J. Plasma Physics*, Vol. 72, No. 4, (2006), 469–484.
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21. R. L. Mills, B. Dhandapani, J. He, "Highly Stable Amorphous Silicon Hydride from a Helium Plasma Reaction," *Materials Chemistry and Physics*, 94/2–3, (2005), 298–307.
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