

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

1. 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.
2. R.L. Mills, "Physical Solutions of the Nature of the Atom, Photon, and Their Interactions to Form Excited and Predicted Hydrino States," in press.
3. 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.
4. 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.
5. R. L. Mills, P. Ray, B. Dhandapani, "Excessive Balmer α Line Broadening of Water-Vapor Capacitively-Coupled RF Discharge Plasmas," *Int. J. Hydrogen Energy*, Vol. 33, (2008), 802–815.
6. 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.
7. R.L. Mills, H. Zea, J. He, B. Dhandapani, "Water Bath Calorimetry on a Catalytic Reaction of Atomic Hydrogen," *Int. J. Hydrogen Energy*, Vol. 32, (2007), 4258–4266.
8. 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.
9. 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.
10. 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.
11. R. L. Mills, "Maxwell's Equations and QED: Which is Fact and Which is Fiction," *Physics Essays*, Vol. 19, (2006), 225–262.

12. 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.
13. R. L. Mills, “Exact Classical Quantum Mechanical Solutions for One- through Twenty-Electron Atoms,” *Physics Essays*, Vol. 18, (2005), 321–361.
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15. R. L. Mills, “The Fallacy of Feynman’s Argument on the Stability of the Hydrogen Atom According to Quantum Mechanics,” *Ann. Fund. Louis de Broglie*, Vol. 30, No. 2, (2005), pp. 129–151.
16. 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.
17. R. L. Mills, J. He, Z. Chang, W. Good, Y. Lu, B. Dhandapani, “Catalysis of Atomic Hydrogen to Novel Hydrides as a New Power Source,” *Prepr. Pap.—Am. Chem. Soc. Conf., Div. Fuel Chem.*, Vol. 50, No. 2, (2005).
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