August 15, 2015

MAIN REFERENCES ON HADRONIC CHEMISTRY

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The R. M. Santilli Foundation
http://www.santilli-foundation.org/
http://www.world-lecture-series.org/
http://www.world-lecture-series.org/santilli-cv

Introductory presentation

[1] R. M. Santilli, An Introduction to Hadronic Chemistry
Prof. Santilli's Keynote Lecture at the 2013 Conference on hadronic Chemistry, Nagpur University, India
http://www.santilli-foundation.org/Santilli-India-2013.php

The main reference of hadronic chemistry is given by Prof. Santilli monograph

[2] R. M. Santilli, <i>Foundations of Hadronic Chemistry, with Applications to New Clean Energies and Fuels, Kluwer Academic Publishers (2001),
http://www.santilli-foundation.org/docs/Santilli-113.pdf
Russian translation
http://i-b-r.org/docs/Santilli-Hadronic-Chemistry.pdf

that has been reviewed in the publication

[3] E. Trell, "Review of Santilli's Foundations of Hadronic Chemistry," Intern. J. Hydrogen Energy Vol. 28, 251 (2003),
http://www.santilli-foundation.org/docs/Trell-review-HC.pdf

with a recent summary available from the paper

[4] V. M. Tandge, Advances in hadronic chemistry and its applications, Foundation of Physics, DOI 10.1007/s10698-015-9218-z (March 24, 2015)
http://www.santilli-foundation.org/docs/hadronic-chemistry-FC.pdf

Important papers showing that hadronic chemistry and its new formulation of valence isobonds (isoelectronium) permit exact representations of the binding energy and other features of the Hydrogen and water molecule

[5] R. M. Santilli and D. D. Shillady,, "A new isochemical model of the hydrogen molecule," Intern. J. Hydrogen Energy Vol. 24, pages 943-956 (1999)
http://www.santilli-foundation.org/docs/Santilli-135.pdf

[6] R. M. Santilli and D. D. Shillady, , "A new isochemical model of the water molecule," Intern. J. Hydrogen Energy Vol. 25, 173-183 (2000)
http://www.santilli-foundation.org/docs/Santilli-39.pdf

Papers on the exact analytic solution of the hydrogen molecule approximated as a restricted three-body problem by Prof. Santilli strong valence isobond

[7] R. Perez-Enriquez and R. Riera, "Exact analytic solution of the restricted three-body Santilli-Shillady model of the hydrogen molecule, " Progress in Physics Vol. 2, 34-41 (2007) (physics/0001056)
www.santilli-foundation.org/docs/3body2.pdf

[8] A. K. Aringazin and M.G. Kucherenko, "Exact variational solution of the restricted three-body Santilli-Shillady model of the hydrogen molecule," Hadronic J. Vol. 23, 1-56 (2000) (physics/0001056)
www.santilli-foundation.org/docs/3body.pdf

The mathematical structure of quantum chemistry ins outlined in the paper

[9] R. Anderson, Outline of Hadronic Mathematics, Mechanics and Chemistry as Conceived by R. M. Santilli, American Journal of Modern Physics, Vol., 4(5), 1-16 (2015)
http://www.santilli-foundation.org/docs/hadronic-math-mec-chem.pdf

Various other papers are in print or under finalization, including the continuation of papers [5,6] for a new model of the Helium with a strong valence isobond. Additional papers are available from the Archive of the R. M. Santilli Foundation
http://www.santilli-foundation.org/news.html

Open Nobel Nomination of Prof. R. M. Santilli for the Nobel Prize in Physics and Chemistryhttp://nobelprizeweb.com/