

ERRATUM | JUNE 02 2004

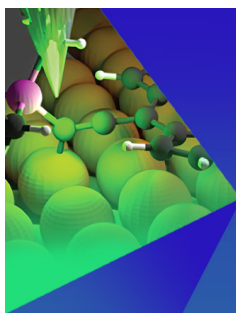
**Erratum: “A Review, Bibliography, and Tabulation of K, L,
and Higher Atomic Shell X-Ray Fluorescence Yields” [J.
Phys. Chem. Ref. Data 23, 339 (1994)]** **FREE**

J. H. Hubbell; P. N. Trehan; Nirmal Singh; B. Chand; D. Mehta; M. L. Garg; R. R. Garg; Surinder Singh; S. Puri



J. Phys. Chem. Ref. Data 33, 621 (2004)

<https://doi.org/10.1063/1.1756152>



Chemical Physics Reviews

Special Topics
Open for Submissions

[Learn more](#)



Erratum: “A Review, Bibliography, and Tabulation of K , L , and Higher Atomic Shell X-Ray Fluorescence Yields” [*J. Phys. Chem. Ref. Data* 23, 339 (1994)]

J. H. Hubbell^{a)}

Ionizing Radiation Division, Physics Laboratory, National Institute of Standards and Technology, Gaithersburg, MD 20899-8463

P. N. Trehan, Nirmal Singh, and B. Chand

Department of Physics and Biophysics, Panjab University, Chandigarh 160014, India

D. Mehta

Physics and Astrophysics Department, University of Delhi, Delhi 110007, India

M. L. Garg, R. R. Garg, Surinder Singh, and S. Puri

Department of Physics and Biophysics, Panjab University, Chandigarh 160014, India

(Published online 2 June 2004)

This review and bibliography, in which Tables 4–7 were contributed by the Indian collaborators, has been found to contain some typographical errors, as kindly pointed out by various readers.

Page 350, in Table 4, for 13 Al, in column 5 (This work, Fitted values), “0.0387” should be “0.0329.”

Page 355, in Table 5, for 83 Bi, in column 4 (Average values), “ 0.328 ± 0.007 ” should be “ 0.382 ± 0.007 .”

Page 356, in Table 6, for 71 Lu, in column 5 (This work, fitted values), “–0.0156” should be “0.0156.”

Page 356, in Table 7, (1) for ω_K , for $Z=20-99$, in column 7, for a_4 , “ -1.8252×10^{-8} ” should be “ $+1.8252$

$\times 10^{-8}$ ” and (2) for ϖ_L , $Z=52-92$, in column 7, for a_4 , “ -1.3564×10^{-7} ” should be “ $+1.3564 \times 10^{-7}$.”

In addition, readers have noted extensive anomalies in the “This work, fitted values” (column 5) throughout Tables 4, 5, and 6, in comparison with other independent evaluations, and it is here suggested that the Table 8 (p. 357) Bambynek/Cohen/Burhop/Hubbell ω_K , ϖ_L , and ϖ_M values, fitted according to Eqs. (12), (14), (18), (19), and (21) as described in the text, be used in preference to the “This work, fitted values” provided in Tables 4–7.

The authors are indebted to many readers, and in particular to Dr. Bhajan Singh, Dr. John Hardy, and Dr. Wolfgang Werner for their special interest and concerns about this paper, and we regret this long delay in providing this erratum.

^{a)}Electronic mail: john.hubbell@nist.gov