Erratum: Nonrelativistic QED approach to the bound-electron g factor [Phys. Rev. Lett. 93, 150401 (2004)]

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In a recently published letter we have erroneously introduced an overall factor of 2 for the two-loop correction to the bound electron g-factor. Consequently, the right-hand-side of Eqs. (11), (13) and the numerical value of the entry "Binding QED, $\sim (\alpha/\pi)^2\,(Z\,\alpha)^4$" in Table II (both the correction and the uncertainty) should be divided by 2. The total value for the g factor (the last line of Table II) becomes $2.001\,041\,590\,32(6)$ for carbon and $2.000\,047\,020\,75(17)$ for oxygen. The numerical values for the electron mass derived from the g-factor values [Eqs. (14) and (15)] should read

$$m(^{12}\mathrm{C}^{5+}) \;=\; 0.000\,548\,579\,909\,35(29)(2)\,\mathrm{u}\,, \tag{1}$$

$$m(^{16}\mathrm{O}^{7+}) \;=\; 0.000\,548\,579\,909\,72(41)(5)\,\mathrm{u}\,. \tag{2}$$