



Papers on Radiation, Chemistry (Paperback)

By Smithsonian Institution

Rarebooksclub.com, United States, 2012. Paperback. Book Condition: New. 246 x 189 mm. Language: English . Brand New Book ***** Print on Demand *****. This historic book may have numerous typos and missing text. Purchasers can download a free scanned copy of the original book (without typos) from the publisher. Not indexed. Not illustrated. 1901 Excerpt: . the latter half of Table I (see Differences), is 4.93 X10-10. Now it will be seen from the first observation given in the table that the charge which was originally upon this drop and which was obtained, not from the ions in the air, but from the frictional process involved in blowing the spray, was 34.47 X10-10. This number comes within one-seventh of 1 per cent of being exactly seven times the charge on the positive, or on the negative, ion caught in the observations under consideration. In the interval between December, 1909, and May, 1910, Mr. Harvey Fletcher and myself took observations in this way upon hundreds of drops which had initial charges varying between the limits 1 and 150, and which were upon as diverse substances as oil, mercury, and glycerine and found in every case the original charge on the drop an...



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