TABLE II: Comparison of Calculated Values of r_w by Means of Formula 3 with Commonly Accepted Values[e]

	r_w (Å)					r_w (Å)					r_w (Å)			
			rec					rec					rec	
	calcd (3)	ref[b] (1)	P[c]	B[d]		calcd (3)	ref[b] (1)	P[c]	B[d]		calcd (3)	ref[b] (1)	P[c]	B[d]
H	**1.11**	1.10	1.2	1.0–1.2	C	**1.68**	1.69		1.70	Si	**2.04**	2.10		2.10
He	**1.49**	1.49[a]		1.40	N	**1.53**	1.53	1.5	1.55–1.60	P	**1.85**	1.84	1.9	1.80
					O	**1.50**	1.51	1.40	1.50	S	**1.82**	1.80	1.85	1.85
					F	**1.51**	1.50	1.35	1.50	Cl	**1.84**	1.77	1.80	1.75
					Ne	**1.55**	1.55[a]		1.54	Ar	**1.88**	1.88[a]		1.88
Ge	**2.17**	(2.15)		2.19	Sn	**2.36**	(2.40)		2.27	Pb	**2.52**	(2.53)		2.02
As	**1.97**	1.98	2.0	1.85	Sb	**2.15**	2.18	2.2		Bi	**2.29**	(2.24)		
Se	**1.94**	1.94	2.00	1.87	Te	**2.11**	2.14	2.20	2.06	Po	**2.25**	(2.24)		
Br	**1.96**	1.92	1.95	1.85	I	**2.13**	2.11	2.15	1.96	At	**2.27**	(2.23)		
Kr	**2.00**	2.00[a]		2.02	Xe	**2.18**	2.18[a]		2.16	Rn	**2.33**			

[a] Values collected in ref 14. [b] Mean values of Bondi's and Pauling's correlations with covalent radius (eq 1). [c] Values recommended by Pauling from ionic radii with a precision less than ±0.05 Å.[8a] [d] Values recommended by Bondi.[9] [e] Data in brackets are merely obtained by extrapolation from eq 1.