Landolt-Börnstein

Group II: Molecules and Radicals

Volume 9

Magnetic Properties of Free Radicals

Subvolume D2

Organic Cation Radicals and Polyradicals. Index of Substances for Volumes II/1 and II/9

	Title Page, Preface		
	General introduction (H. FISCHER)	1	
18	Aromatic hydrocarbon cation radicals (K. ISHIZU, K. WATANABE, H. OHYA-NISHIGUCHI)	5	
18.0	Introduction	5	
18.1	Cation radicals from aromatic hydrocarbon compounds and their alkyl derivatives	6	
18.2	Cation radicals from halogenated aromatic hydrocarbons		
18.3	References for 18.1 and 18.2	21	
19	Cation radicals from nitrogen-containing compounds (S.F. NELSEN)	22	
19.0	Introduction		
19.1	Alkyl and H-substituted amines		
19.2	Aromatic amines		
19.3	Unsaturated amines		
19.4	[N-N] compounds	93	
19.5	[N-O] compounds	116	
19.6	Miscellaneous/uncertain structure	119	
19.7	References for 19	120	
20	Aromatic cation radicals containing O and S atoms (K. ISHIZU, K. WATANABE, H. OHYA-NISHIGUCHI)	124	
20.0	Introduction	124	
20.1	Radicals containing O and/or S atoms substituted into the aryl groups	125	
20.2	Heterocyclic compounds containing O and/or S atoms as ring members		
20.3	References for 20.1 and 20.2	147	
21	Organic C-, O-, and N-centered bi- and polyradicals (G. KOTHE, W. WILKER)	148	
21.0	Introduction	148	
21.1	Carbon-centered polyradicals	151	
21.2	Oxygen-centered polyradicals	160	
21.3	Nitrogen-centered polyradicals	172	
21.4	References for 21.1 - 21.3	188	
22	Organic bis- and polynitroxides (A.R. FORRESTER)	190	
22.0	Introduction	190	
22.1	Bisnitroxides	191	
22.2	Trisnitroxides	293	
22.3	Tetrakisnitroxides	299	

22.4	Pentakis(piperidinyl-1-oxyls)	303
22.5	Hexakis(piperidinyl-1-oxyls)	305
22.6	Phenoxyl nitroxide	308
22.7	References for 22.1 - 22.6	309
	Index of substances for Volumes II/1 and II/9	313