

REFERENCES

1. C.C. Klick, and J.H. Schulman, Solid State Physics, Edited by F. Seitz and D. Turnbull (Academic Press, 1957) Vol. 5, p. 98
2. F. Seitz, J. Chem. Phys. 6, 150 (1938).
3. F. E. Williams, J. Chem. Phys. 19, 457 (1951).
4. P.D. Johnson, and F.E. Williams, J. Chem. Phys. 20, 124 (1952).
5. P.D. Johnson, and F.E. Williams, J. Chem. Phys. 21, 125 (1953).
6. F.E. Williams, and M.H. Hebb, Phys. Rev. 84, 1181 (1951).
7. F.E. Williams, B. Segall, and P.D. Johnson, Phys. Rev. 108, 46 (1957).
8. R.S. Knox, and D.L. Dexter, Phys. Rev. 104, 1245 (1956).
9. R.V. Joshi, Ph.D. Thesis, University of Leeds, 1958.
10. J. Ewles, and R.V. Joshi, Proc. Roy. Soc. A, 254, 358 (1960).
11. R.W. Gurney, Handbook of Physics, Edited by Condon and Odishaw (McGraw Hill, 1958) 8-45.
12. C.C. Klick, Phys. Rev. 120, 760 (1960).
13. H.G. Van Bueren, Imperfections in Crystals (North-Holland, 1960) p. 61.
14. F. Seitz, Rev. Mod. Phys. 26, 7 (1954).
15. J.H. Schulman, and W.D. Compton, Colour Centres in Solids (Pergamon Press, 1962) p. 103.
16. C.C. Klick, and M.N. Kabler, Phys. Rev. 133, 1079 (1963).
17. C.Z. van Doorn, and Y. Haven, Philips Res. Reports 11, 479 (1956).
18. A.N. Overhauser, and H. Rüchardt, Phys. Rev. 112, 722 (1958).

19. G. Jacobs, J. Chem. Phys. 27, 217 (1957).
20. W.C. Holton, H. Blum, and C.P. Slichter, Phys. Rev. Letters 5, 197 (1960).
21. J. Alexander, and E.E. Schneider, Nature 164, 653 (1949).
22. S. Amelinckx, Radiation Damage in Solids, Edited by D.S. Billington (Academic Press, 1962) p. 441.
23. F. Lüty, J. Phys. Chem. Solids, 23, 677 (1962).
24. J.Z. Damm and F.C. Tompkins, Radiation Effects in Inorganic Solids (The Faraday Soc. 1962) p. 184.
25. J.S. Nadeau, J. Appl. Phys. 35, 1253 (1964).
26. J. H. Schulman, and W.D. Compton, Colour Centres in Solids (Pergamon Press, 1962) pp. 148-150.
27. S. Amelinckx, Radiation Damage in Solids, Edited by D.S. Billington (Academic Press, 1962) p. 449.
28. C.J. Delbecq, B. Smaller, and P.H. Yuster, Phys. Rev. 111, 1235 (1958).
29. H.W. Etzel and D.A. Patterson, Phys. Rev. 112, 1115 (1958).
30. D.A. Patterson, Phys. Rev. 127, 1566 (1962).
31. R. Hilsch, and R.W. Pohl, Trans. Faraday Soc. 34, 883 (1938).
32. R.G. Breckenridge, Imperfections in Nearly Perfect Crystals (Wiley, New York 1952) p. 219.
33. J.H. Schulman, and W.D. Compton, Colour Centres in Solids (Pergamon Press, 1962) p. 172.
34. K. Kojima, J. Phys. Soc. Japan 19, 868 (1964).
35. H. Ohkura, Phys. Rev. 136, A446 (1964).
36. J.H.O. Varley, Nature 174, 886 (1954).

37. D.A. Wiegand, and R. Smoluchowski, Phys. Rev. 116, 1069 (1959).
38. H. Rabin, and C.C. Klick, Phys. Rev. 117, 1005 (1960).
39. P.V. Mitchell, D.A. Wiegand, and R. Smoluchowski, Phys. Rev. 117, 442 (1960).
40. D. Curie, Luminescence in Crystals (Methuen, 1963) p. 34.
41. Quoted by R.S. Knox in Phys. Rev. 115, 1095 (1959).
42. P.D. Johnson, and F.E. Williams, Phys. Rev. 117, 964 (1960).
43. F.E. Williams, Luminescence of Organic and Inorganic Materials, Edited by Kallmann and Spruch (Wiley, 1962) p. 309.
44. K.H. Butler, J. Electrochem. Soc. 103, 508 (1956).
45. D.A. Patterson, and C.C. Klick, Phys. Rev. 105, 401 (1957).
46. R.A. Eppler, and H.G. Drickamer, J. Phys. Chem. Solids 6, 180 (1950).
47. L. Reiffel, Phys. Rev. Letters 3, 215 (1959); Phys. Rev. 114, 1493 (1959).
48. J.T. Randall, and M.H.F. Wilkins, Proc. Roy. Soc. A, 184, 366 (1945).
49. Ch. B. Lushchik, Sov. Phys. JETP, 3, 390 (1956).
50. A. Halperin, A.A. Braner, and E. Alexander, Phys. Rev. 108, 928 (1957).
51. A.A. Braner, and A. Halperin, Phys. Rev. 108, 932 (1957).
52. J.J. Hill, and P. Schwed, J. Chem. Phys. 23, 652 (1955).
53. G. Bonfiglioli, P. Brovetto and C. Cortese, Phys. Rev. 114, 951 (1959).

54. J. Sharma, Phys. Rev. 85, 692 (1952); and Phys. Rev. 101, 1295 (1956).
55. A. Halperin, N. Kristianpoller, and A. Ben-zvi Phys. Rev. 116, 1081 (1959).
56. D. Dutton, and R. Maurer, Phys. Rev. 90, 126 (1953).
57. A.E. Stoddard, Phys. Rev. 120, 114 (1960).
58. A.A. Braner, and M. Israeli, Phys. Rev. 132, 2501 (1963).
59. J. Ewles, and J.C. Stead, Proc. Phys. Soc., B. 69, 392 (1956).
60. W. Spicer, Phys. Rev. 106, 726 (1957).
61. J. Ewles, S. C. Jain, and R.V. Joshi, Proc. Phys. Soc. LXXI, 852 (1958).
62. A. Halperin, and M. Schlesinger, Phys. Rev. 113, 762 (1959).
63. R.V. Joshi, Proc. Phys. Soc. 79, 497 (1962).
64. R.V. Joshi, J. Phys. Chem. Solids, 25, 135 (1964).
65. R.V. Joshi, and A.K. Menon, Z. für Physik, 178, 375 (1964).
66. M.L. Kats, J. Exptl. Theoret. Phys. (USSR) 20, 166 (1950).
67. M. Ueta, H. Sugimoto, and I. Nagasawa, J. Phys. Soc. Japan 17, 1465 (1962).
68. H.N. Hersh, and W.B. Hadley, Phys. Rev. Letters 10, 437 (1963).
69. M. Schlesinger, and A. Halperin, Phys. Rev. Letters 11, 360 (1963).
70. R.W.B. Pearse, and A.G. Gaydon, The Identification of Molecular Spectra (Chapman and Hall, London 1963) p. 64.
71. A. Smakula, Z. für Physik 63, 762 (1930).

72. G. Chiarotti, and N. Inchauspe', Phys. Rev. 109, 345 (1958).
73. L. Apker, and E.A. Taft, Phys. Rev. 79, 964 (1950).
74. J. Parker, Phys. Rev. 124, 703 (1961).
75. P. Pringsheim, Fluorescence and Phosphorescence (Interscience, 1949) p. 580.
76. K. Aoyagi, and G. Kuwabara, J. Phys. Soc. Japan 15, 2334 (1960).
77. R.V. Joshi, Physica 27, 1119 (1961).
78. H. Fesefeld, Z. für Physik 64, 623 (1930).
79. W. Martienssen, J. Phys. Chem. Solids 2, 257 (1957).
80. J.E. Eby, K.J. Teegarden, and D.B. Dutton, Phys. Rev. 116, 1099 (1959).
81. E.A. Taft, and H.R. Philipp, J. Phys. Chem. Solids 3, 1 (1957).
82. A. Glasner, and R. Reisfeld, J. Chem. Phys. 25, 381 (1956).
83. C.C. Klick, and W.D. Compton, J. Phys. Chem. Solids 7, 170 (1958).
84. J.A. Morrison, and R. Rudham, J. Phys. Chem. Solids 6, 402 (1958).
85. G.D. Watkins, Phys. Rev. 113, 79 and 91 (1959).
86. J.S. Cook, and J.S. Dryden, Australian J. Phys. 13, 260 (1960).
87. R.W. Dreyfus, Phys. Rev. 121, 1675 (1961).
88. A.B. Lidiard, J. Phys. Chem. Solids 6, 298 (1958).
89. W. Känzig, and T.O. Woodruff, J. Phys. Chem. Solids 9, 70 (1958).
90. A.B. Lidiard, J. Appl. Phys. 33 (Suppl. 1), 414 (1962).

91. N.F. Mott, and M.J. Littleton, Trans. Faraday Soc. 34, 485 (1938).
92. K. Tharmalingam, and A.B. Lidiard, Phil. Mag. 6, 1157 (1961).
93. D.B. Fishbach, and A.S. Nowick, Phys. Rev. 99, 1333 (1955).
94. D.B. Fishbach, and A.S. Nowick, J. Phys. Chem. Solids 5, 302 (1958).
95. J.D. Eshelby, C.W.A. Newey, P.L. Pratt, and A.B. Lidiard, Phil. Mag. 3, 76 (1958).
96. F. Reuda, and W. Dekeyser, Phil. Mag. 6, 359 (1961).
97. F. Reuda, and W. Dekeyser, J. Appl. Phys. 32, 1799 (1961).
98. M. Ueta, H. Sugimoto, I. Nagasawa, J. Phys. Soc. Japan 18, Suppl. II, 286 (1963).
99. W.E. Bron, Phys. Rev. 119, 1853 (1960).
100. N. Itoh, and T. Suita, J. Phys. Soc. Japan 15, 2364 (1960).
101. N. Itoh, and T. Suita, J. Phys. Soc. Japan 17, 348 (1962).
102. W. Bünger, and W. Flechsig, Z. für Physik 67, 42 (1931).
103. K. Birus, and H. Zierold, Naturwissenschaften 30, 63 (1942).
104. W.W. Antonov-Romanovski, Bull. Acad. Sci. U.S.S.R. 5, 523 (1941).
105. W.W. Antonov-Romanovski, J. Phys. U.S.S.R. 7, 153 (1943).
106. H.O. Albrecht and G.E. Mandeville, J. Franklin Inst. 257, 353 (1954).
107. P. Pringsheim, Rev. Mod. Phys. 14, 133 (1942).
108. Z. Morlin, Nature 180, 89 (1957).

109. P.V. Mitchell, D.A. Wiegand, and R. Smoluchowski, Phys. Rev. 121, 484 (1961).
110. W.H. Duerig, and J.J. Markham, Phys. Rev. 88, 1043 (1952).
111. I.L. Mador, J.J. Markham, and R.T. Platt, Phys. Rev. 91, 1277 (1953).
112. H. Fromherz, and W. Menschik, Naturwissenschaften 17, 274 (1929).
113. H. Fromherz, and W. Menschik, Z. Physik Chem. 3B, 1 (1929).
114. H. Fromherz, Z. für Physik 68, 233 (1931).
115. H. Fromherz, and K.H. Lih, Z. Physik Chem. 153A, 321 (1931).
116. P. Pringsheim, Fluorescence and Phosphorescence (Interscience, 1949) p. 524.
117. R. Hilsch, Proc. Phys. Soc. (Lond.) 49, Extra part No. 274 (1937).
118. D.A. Patterson, Phys. Rev. 119, 962 (1960).
119. S.C. Sen, and H.N. Bose, Z. für Physik 167, 20 (1962).
120. H.N. Hersh, Phys. Rev. 105, 1410 (1957).
121. W. Van Der Vorst, and W. Dekeyser, Phil. Mag. 1, 882 (1956).
122. S. Amelinckx, Dislocations and the Mechanical Properties of Crystals (Wiley, New York 1957) p.3.
123. J.W. Mitchell, and W. Rigden, Phil. Mag. 2, 941 (1957).
124. S. Amelinckx, Acta. Met. 6, 34 (1958).
125. P. Pringsheim, Fluorescence and Phosphorescence (Interscience, 1949) p. 499.
126. A.B. Lidiard, Handbuch der Physik (Springer, Berlin 1957), 20, 246.
127. T.G. Castner and W. Känzig, J. Phys. Chem. Solids 3, 178 (1957).
128. F. Kerkhoff, Z. für Physik 158, 595 (1960).