



# 目 次

1. T. B. Massalski: Relationships between Metallic Glass Formation and Phase Diagrams Proc. 4th Int. Conf. Rapidly Quenched Metals, ed. by T. Masumoto and K. Suzuki (The Japan Institute of Metals, Sendai, Japan, 1982) p. 203-208 .....	1
2. B. G. Lewis and H. A. Davies: The Formation of Amorphous Metallic Phases by Continuous Cooling from the Liquid State Liquid Metals, ed. by R. Evans and D. A. Greenwood, 1976 (The Institute of Physics, Bristol & London, 1977) Conf. Ser. No. 30, p. 274-282 .....	7
3. H. S. Chen: Atomic Transport Behavior in Metallic Glasses Sci. Rep. Res. Inst. of Tohoku Univ. <u>A27</u> (1979) 97-109 .....	16
4. P. Hautojärvi and J. Yli-Kaupila: Positron Annihilation in Amorphous Metals Nucl. Instrum. & Methods <u>199</u> (1982) 75-86 .....	29
5. R. Yamamoto and M. Doyama: The Polyhedron and Cavity Analyses of a Structural Model of Amorphous Iron J. Phys. F: Metal Phys. <u>9</u> (1979) 617-627 .....	41
6. J. L. Finney and J. Wallace: Interstice Correlation Functions in Metallic Glass Alloys: The Universality of Tetrahedra and Octahedra in Packed Structures ? Proc. 4th Int. Conf. Rapidly Quenched Metals, ed. by TY. Masumoto and K. Suzuki (The Japan Institute of Metals, Sendai, Japan, 1982) p. 253-258 .....	52
7. P. H. Gaskell: A New Structural Model for Amorphous Transition Metal Silicides, Borides, Phosphides and Car- bides J. Non-Cryst. Solids <u>32</u> (1979) 207-224 .....	58
8. P. Lamparter, W. Sperl, E. Nold, G. Rainer-Harbach and S. Steeb: Structure of Amorphous Fe-B, Co-B and Ni-B Alloys Proc. 4th Int. Conf. Rapidly Quenched Metals, ed. by TY. Masumoto and K. Suzuki (The Japan Institute of Metals, Sendai, Japan, 1982) p. 343-346 .....	76
9. T. Fukunaga, N. Hayashi, K. Kai, N. Watanabe and K. Suzuki: Chemical Short-Range Structure of $\text{Ni}_x\text{Ti}_{1-x}$ (x=0.26-0.40) Alloy Glasses Physica <u>120B</u> (1983) 352-356 .....	80

10.	H.-B. Suck, H. Rudin, H.-J. Güntherodt, H. Beck, J. Daubert and W. Gläser: Dynamical Structure Factor and Frequency Distribution of the Metallic Glass $\text{Cu}_{46}\text{Zr}_{54}$ at Room Temperature J. Phys. C: Solid State Phys. <u>13</u> (1980) L167-L172 .....	85
11.	J. D. Riley, L. Ley, J. Azoulay and K. Terakura: Partial Densities of States in Amorphous $\text{Pd}_{0.81}\text{Si}_{0.19}$ Phys. Rev. <u>B20</u> (1979) 776-783 .....	91
12.	P. Oelhafen, E. Hauser, H.-J. Guntherodt and K. H. Bennemann: New Type of d-Band-Metal Allowys: The Valence-Band Structure of the Metallic Glasses Pd-Zr and Cu-Zr Phys. Rev. Lett. <u>43</u> (1979) 1134-1137 .....	99
13.	T. Fujiwara: Electronic Structure in Amorphous Fe, $\text{Fe}_x\text{P}_{1-x}$ and $\text{Fe}_x\text{B}_{1-x}$ J. Phys. F: Metal Phys. <u>12</u> (1982) 661-675 ...	103
14.	L. V. Meisel and P. J. Cote: Critical Test of the Diffraction Model in Amorphous and Disordered Metals Phys. Rev. <u>B17</u> (1978) 4652-4659 .....	118
15.	T. Matsuda and U. Mizutani: Electron Transport Properties of Amorphous $\text{Mg}_{80.4}\text{Cu}_{19.6}$ Alloy Solid State Commun. <u>44</u> (1982) 145-149 .....	126
16.	J. M. D. Coey: Amorphous Magnetic Order J. Appl. Phys. <u>49</u> (1978) 1646-1652 .....	131
17.	W. L. Johnson: Superconductivity in Metallic Glasses J. de Physique <u>41</u> -C8 (1980) 731-741 .....	138
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