

Phase Diagram Evaluations

The *Journal* contains provisional evaluated phase diagrams (together with associated data) of systems that are of principal interest to those in metallurgy and metals-related fields, including metal-metal, metal-metalloid, and metal-gas systems; the various forms of presentation can include pressure-temperature, metastable, and multicomponent diagrams.

All evaluations are contributed to the *Journal* by Category Editors, Contributing Editors, and their co-investigators. To enhance the value of the list of references accompanying each evaluation, the editors are providing some additional specific information in parentheses following each reference. These annotations will include indication of: (a) key papers, by an asterisk placed in front of the reference designation (*e.g.*, *1983Abc); (b) nature of the data available (*i.e.*, Equilibrium Diagram, Metastable Phases, Crystal Structure, Thermodynamics, and Pressure); (c) document classification (*i.e.*, Experimental, Theory, Review, or Compilation); and (d) presence of an accepted phase diagram, or portion of one, by a number sign (#) at the end of the annotation. References frequently cited in evaluations that follow are cited by author name rather than by number; these general references are listed below.

General References

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- [**Moffatt**]: W.G. Moffatt, *Handbook of Binary Phase Diagrams*, Genium Publishing, Schenectady, NY, 1978 and Supplements
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- [**Pearson2**]: W.B. Pearson, *Handbook of Lattice Spacings and Structures of Metals and Alloys*, Vol 2, Pergamon, New York, 1967
- [**Pearson3**]: P. Villars and L.D. Calvert, *Pearson's Handbook of Crystallographic Data for Intermetallic Phases*, Vol 1, 2, and 3, American Society for Metals, Metals Park, OH, 1985
- [**Pearson4**]: P. Villars and L.D. Calvert, *Pearson's Handbook of Crystallographic Data for Intermetallic Phases*, 2nd ed., Vol 1, 2, 3, and 4, ASM International, Materials Park, OH, 1991
- [**Shunk**]: F.A. Shunk, *Constitution of Binary Alloys, Second Supplement*, originally published by McGraw-Hill, reprinted and available from Genium Publishing, Schenectady, NY, 1969