REFERENCES

- Standard textbooks
  (1) Knowledge about manifolds: [Lee13] (Chapters 1-5)
  (2) Elementary Riemannian geometry: [dC92], [Gro99]
  (3) More advanced Riemannian geometry (with more technical tools): [Pet16]
  (4) Comparison geometry: [CE08]
- Modern topics in metric Riemannian geometry
  (1) Survey on metric geometry: [Fuk06], [Ron10]
  (2) Geometry of the Ricci curvature: [Che01]
- Textbooks of Elliptic PDEs
  (1) Fast-going [HL11]
  (2) Thick book [GT01]

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[CE08]   Jeff Cheeger and David G. Ebin, *Comparison theorems in Riemannian geometry*, AMS Chelsea Publishing, Providence, RI, 2008, Revised reprint of the 1975 original.

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[Fuk06] Kenji Fukaya, *Metric Riemannian geometry*, Handbook of differential geometry. Vol. II, Elsevier/North-Holland, Amsterdam, 2006, pp. 189–313.

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