

分類学と系統学について知るための参考文献リスト（カテゴリー分類）

- [凡例] 1) 原則として過去 10 年間に出版された体系学関連書から、各カテゴリーごとに主要であると私が判断したものをリストアップした。
 2) カテゴリー内の配列はアルファベット順であり、難易度はさまざまである。
 3) 下記リストに挙げた本のほとんどすべては、私の本録 <http://d.hatena.ne.jp/leeswijzer/> において書評または内容紹介と目次を公開しているので参考にされたい。

【1】生物体系学の総合的教科書のような本

- Baum, David and Stacy Smith 2012. *Tree Thinking: An Introduction to Phylogenetic Biology*. Roberts and Company, Greenwood Village, xx+476 pp.
- Schuh, R. T. and A. V. Z. Brower 2009. *Biological Systematics: Principles and Applications, Second Edition*. Cornell University Press, Ithaca, xiv+311pp.
- Vargas, Pablo and Rafael Zardoya (eds.) 2014. *The Tree of Life: Evolution and Classification of Living Organisms*. Sinauer Associates, Sunderland, xxx+713 pp.
- Wägele, J.-W. 2005. *Foundations of Phylogenetic Systematics*. Verlag Dr. Friedlich Pfeil, München, 365 pp.
- Wiley, E. O. and Bruce S. Lieberman 2011. *Phylogenetics: Theory and Practice of Phylogenetic Systematics, Second Edition*. John Wiley & Sons, Hoboken, xvi+406 pp.

【2】統計系統学と計算系統学（主として分子系統学）

- Knowles, L. Lacey and Laura S. Kubatko (eds.) 2010. *Estimating Species Trees: Practical and Theoretical Aspects*. Wiley-Blackwell, Hoboken, xii+215 pp.
- Felsenstein, J. 2004. *Inferring Phylogenies*. Sinauer Associates, Sunderland, xx+664 pp.
- Nei, M. and S. Kumar 2000. *Molecular Evolution and Phylogenetics*. Oxford University Press, New York. (根井正利, S・クマー [大田竜也・竹崎直子訳] 2006. 『分子進化と分子系統学』, 培風館, 東京, xii+410 pp.)
- Rosenberg, Michael S. (ed.) 2009. *Sequence Alignment: Methods, Models, Concepts, and Strategies*. University of California Press, Berkeley, xvi+337 pp.
- Russell, David J. (ed.) 2014. *Multiple Sequence Alignment Methods*. Springer / Humana Press [Series: Methods in Molecular Biology 1079], New York, xii+287 pp.
- Saitou, Naruya 2013. *Introduction to Evolutionary Genomics*. Springer Verlag [Series: Computational Biology, Vol. 17], Berlin, xxiii+461 pp.
- Sober, Elliott 1988. *Reconstructing the Past: Parsimony, Evolution, and Inference*. The MIT Press, Cambridge, xviii+265pp. (エリオット・ソーバー [三中信宏訳] 『過去を復元する：最節約原理・進化論・推論』 2010, 勁草書房, 東京, 336 pp.)

- Yang, Ziheng 2014. *Molecular Evolution: A Statistical Approach*. Oxford University Press, Oxford, xvi+492 pp.
- Wheeler, Ward C. 2012. *Systematics: A Course of Lectures*. Wiley-Blackwell, Hoboken, xx+426 pp.+12 color plates.

【3】 系統推定ソフトウェアの解説書

- Hall, Barry G. 2011. *Phylogenetic Trees Made Easy: A How-to Manual, Fourth Edition*. Sinauer Associates, Sunderland, xiv+282 pp.
- Drummond, Alexei J. and Remco R. Bouckaert 2015. *Bayesian Evolutionary Analysis with BEAST*. Cambridge University Press, Cambridge, xii+249 pp.
- Lemey, Philippe, Marco Salemi, and Anne-Mieke Vandamme (eds.) 2009. *The Phylogenetic Handbook: A Practical Approach to Phylogenetic Analysis and Hypothesis Testing, Second Edition*. Cambridge University Press, Cambridge, xxvi+723 pp.
- Paradis, E. 2012. *Analysis of Phylogenetics and Evolution with R, Second Edition*. Springer-Verlag, Berlin, xvi+386 pp.
- Wheeler, Ward *et al.* 2006. *Dynamic Homology and Phylogenetic Systematics : A Unified Approach Using POY*. American Museum of Natural History, New York, 373 pp.

【4】 数理系統学（離散数学，系統ネットワークとスーパーツリーの理論）

- Bininda-Emonds, O. R. P. (ed.) 2004. *Phylogenetic Supertrees: Combining Information to Reveal the Tree of Life*. Computational Biology Series Volume 4, Kluwer Academic Publishers, Dordrecht, xiv+550 pp.
- Dress, Andreas, Katharina T. Huber, Jacobus Koolen, Vincent Moulton, and Andreas Spillner 2012. *Basic Phylogenetic Combinatorics*. Cambridge University Press, Cambridge, xii+264 pp.
- Gascuel, Oliver (ed.) 2005. *Mathematics of Evolution and Phylogeny*. Oxford University Press, New York, xxvi+416 pp.
- Gascuel, Oliver and Mike Steel (eds.) 2007. *Reconstructing Evolution: New Mathematical and Computational Advances*. Oxford University Press, New York, xxx+318 pp.
- Huson, Daniel H., Regula Rupp, and Celine Scornavacca 2010. *Phylogenetic Networks: Concepts, Algorithms and Applications*. Cambridge University Press, Cambridge, xii+362 pp.
- Morrison, David A. 2011. *Introduction to Phylogenetic Networks*. RJR Productions, Uppsala, vi+216 pp.
- Semple, C. and M. Steel 2003. *Phylogenetics*. Oxford Lecture Series in Mathematics and Its

Applications 24, Oxford University Press, Oxford, xiv+239 pp.

Steel, Mike 2016. *Phylogeny: Discrete and Random Processes in Evolution*. Society for Industrial and Applied Mathematics [CBMS-NSF Regional Conference Series in Applied Mathematics: 89], Philadelphia, xvi+293 pp.

【5】生物体系学・生物地理学・種間比較法・共進化解析の方法論, その他

Cracraft, J. and M. J. Donoghue (eds.) 2004. *Assembling the Tree of Life*. Oxford University Press, New York, xvi+576 pp.

Crisci, J. V., L. Katinas, and P. Posadas 2003. *Historical Biogeography: An Introduction*. Harvard University Press, Cambridge, xii+250 pp.

Garamszegi, László Zsolt (ed.) 2014. *Modern Phylogenetic Comparative Methods and Their Application in Evolutionary Biology: Concepts and Practice*. Springer-Verlag, Berlin, xvi+552 pp.

Hedges, S. Blair and Sudhir Kumar (eds.) 2009. *The Timetree of Life*. Oxford University Press, New York, xxi+551 pp.

Parenti, L. R. and M. C. Ebach 2009. *Comparative Biogeography: Discovering and Classifying Biogeographical Patterns of a Dynamic Earth*. University of California Press, Berkeley, xiv+295 pp.

Wheeler, Q. D. (ed.), 2008. *The New Taxonomy*. CRC Press, Boca Raton, Systematics Association Special Volume Series 76, xii+237 pp.

【6】生物以外の体系学 (言語・写本・文化など)

Forster, Peter and Colin Renfrew (eds.) 2006. *Phylogenetic Methods and the Prehistory of Languages*. The McDonald Institute for Archaeological Research, London, x+198 pp.

Lipo, Carl P., Michael J. O'Brien, Mark Collard, and Stephen J. Shennan (eds.) 2005. *Mapping Our Ancestors: Phylogenetic Approaches in Anthropology and Prehistory*. Transaction Publishers, New Brunswick, xviii+353 pp.

Mace, Ruth, Clare J. Holden, and Stephen Shennan (eds.) 2005. *The Evolution of Cultural Diversity: A Phylogenetic Approach*. UCL Press, London, x+291 pp.

Mesoudi, Alex 2011. *Cultural Evolution: How Darwinian Theory Can Explain Human Culture and Synthesize the Social Sciences*. The University of Chicago Press, Chicago, xvi+264 pp.

(アレックス・メスーディ [野中香方子訳 | 竹澤正哲解説] 2016. 『文化進化論：ダーウィン進化論は文化を説明できるか』 NTT 出版, 東京, viii+404 pp.)

中尾央・三中信宏（編著）2012. 『文化系統学への招待：文化の進化パターンを探る』，勁草書房，東京，x+213+xi pp.

Nunn, Charles L. 2011. *The Comparative Approach in Evolutionary Anthropology and Biology*. The University of Chicago Press, Chicago, x+380 pp.

【7】体系学の科学哲学（科学方法論・歴史科学性・アブダクション）

Ereshefsky, M. 2001. *The Poverty of the Linnaean Hierarchy: A Philosophical Study of Biological Taxonomy*. Cambridge University Press, Cambridge, x+316 pp.

Fitzhugh, Kirk J. 2006. The abduction of phylogenetic hypotheses. *Zootaxa*, **1145**: 1-110.

三中信宏 2006. 『系統樹思考の世界：すべてはツリーとともに』講談社現代新書 1849, 296 pp.

三中信宏 2010. 『進化思考の世界：ヒトは森羅万象をどう体系化するか』NHK Books 1164, 265 pp.

三中信宏 2017. 『思考の体系学：分類と系統から見たダイアグラム論』春秋社，東京，6+316+23 pp.

Richards, Richard 2016. *Biological Classification: A Philosophical Introduction*. Cambridge University Press [Series: Cambridge Introductions to Philosophy and Biology], Cambridge, x+302 pp.

Sober, Elliott 2000. *Philosophy of Biology, Second Edition*. Westview Press, Boulder, xviii+236 pp. (エリオット・ソーバー [松本俊吉・網谷祐一・森元良太訳] 『進化論の射程：生物学の哲学入門』2009, 春秋社，東京)

Sober, Elliott 2008. *Evidence and Evolution: The Logic Behind the Science*. Cambridge University Press, Cambridge, xx + 392 pp. (部分訳：エリオット・ソーバー [松王政浩訳] 『科学と証拠：統計の哲学入門』2012, 名古屋大学出版会, 名古屋)

Tucker, A. 2004. *Our Knowledge of the Past : A Philosophy of Historiography*. Cambridge University Press, Cambridge, x+291 pp.

【8】生物体系学の形而上学（「種」問題とか「分類」問題とか）

Atran, S. 1990. *Cognitive Foundations of Natural History: Towards an Anthropology of Science*. Cambridge University Press, Cambridge, xii+360 pp.

Berlin, B. 1992. *Ethnobiological Classification: Principles of Categorization of Plants and Animals in Traditional Societies*. Princeton University Press, Princeton, xviii+335pp.

Ghiselin, Michael T. 1997. *Metaphysics and the Origin of Species*. State University of New York Press, New York, xii+377pp.

- Hey, Jody 2001. *Genes, Categories, and Species: The Evolutionary and Cognitive Causes of the Species Problem*. Oxford University Press, New York, xviii+217 pp.
- Lima, Manuel 2014. *The Book of Trees: Visualizing Branches of Knowledge*. Princeton Architectural Press, New York, 208 pp. [三中信宏訳 2015 『系統樹：あらゆる知識を可視化するために』 BNN 新社, 東京]
- 三中信宏 2009. 『分類思考の世界：なぜヒトは万物を「種」に分けるのか』 講談社現代新書 2014, 328 pp.
- Wilkins, John S. 2009a. *Species: A History of the Idea*. University of California Press, Berkeley, xiv+306 pp.
- Wilkins, John S. 2009b. *Defining Species: A Sourcebook from Antiquity to Today*. Peter Lang, New York, xiv+224 pp.

【9】生物体系学の科学史（とくに現代史）

- Archibald, J. David 2014. *Aristotle's Ladder, Darwin's Tree: The Evolution of Visual Metaphors for Biological Order*. Columbia University Press, New York, xiv+242 pp.
- Hamilton, Andrew (ed.) 2014. *The Evolution of Phylogenetic Systematics*. University of California Press, Berkeley, viii+309 pp.
- Hine, Christine 2008. *Systematics as Cyberscience: Computers, Change, and Continuity in Science*. The MIT Press [Series: Inside Technology], 320 pp.
- Hull, David L. 1988. *Science as a Process: An Evolutionary Account of the Social and Conceptual Development of Science*. The University of Chicago Press, Chicago, xiv+586 pp.
- 三中信宏（文）・杉山久仁彦（図版） 2012. 『系統樹曼荼羅：チェーン，ツリー，ネットワーク』，NTT 出版，東京.
- Papavero, Nelson and Jorge Llorente Bousquets (eds.) 2007. *Historia de la Biología Comparada, con Especial Referencia a la Biogeografía: del Génesis al Siglo de las Luces (Volumen I - VIII)*. Universidad Nacional Autónoma de México, Ciudad Universitaria, México [CD-ROM].
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- Павлинов, И. Я. and Г. Ю. Любарский 2011. *Биологическая систематика. Эволюция идей*. Труды Зоологического музея МГУ, т.51, Товарищество книжных изданий КМК, Москва, 667 pp. + 1 color plate.
- Pietsch, Theodore W. 2012. *Trees of Life: A Visual History of Evolution*. The Johns Hopkins

- University Press, Baltimore, xiv+358 pp.
- Rieppel, Olivier 2016. *Phylogenetic Systematics: Haeckel to Hennig*. CRC Press [Series: Species and Systematics], Boca Raton, xxii+381 pp.
- Schmitt, Michael 2013. *From Taxonomy to Phylogenetics: Life and Work of Willi Hennig*. Brill, Leiden, xvi+208 pp.
- Williams, David M. and Malthe C. Ebach 2008. *Foundations of Systematics and Biogeography*. Springer-Verlag, Berlin, xviii+309pp.
- David M. Williams, Michael Schmitt, and Quentin D. Wheeler (eds.) 2016. *The Future of Phylogenetic Systematics: The Legacy of Willi Hennig*. Cambridge University Press [The Systematics Association Special Volume Series: 86], Cambridge, xvi+488 pp.
- Yoon, Carol Kaesuk 2009. *Naming Nature: The Clash between Instinct and Science*. W. W. Norton, New York, viii+344 pp. (キャロル・キサク・ヨン [三中信宏・野中香方子訳] 『自然を名づける：なぜ生物分類では直感と科学が衝突するのか』 2013, NTT 出版, 東京)