

## **CURRICULUM VITAE**

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### **Education**

1973 B.S. (Zoology) San Diego State University.  
1980 M.S. (Biology) San Diego State University.  
1984 Ph.D. (Paleontology) University of California, Berkeley.

### **Academic Positions**

1983-84 Herpetology Fellow, California Academy of Sciences.  
1984-87 NSF Postdoctoral Associate, "Ontogeny and Squamate Phylogeny," Dr. Arnold Kluge, University of Michigan.  
1987-88 Assistant Curator of Herpetology, California Academy of Sciences.  
1989-96 Associate Curator of Herpetology, California Academy of Sciences.  
1993-96 Adjunct Professor, San Francisco State University.  
1996- Professor, Geology and Geophysics, Yale University.  
1996- Head Curator of Vertebrate Paleontology  
1996- Curator of Vertebrate Zoology  
1996-2005 Acting Curator of Ornithology  
2000-2009 Adjunct Professor, Ecology and Evolutionary Biology, Yale University

### **Awards and Honors**

1976-77 Regent's Fellowship, U.C. Berkeley.  
1977-78 Regent's Fellowship, U.C. Berkeley.  
1979-80 Annie M. Alexander Fellowship in Paleontology, U.C. Berkeley.  
1984 Romer Prize, Society of Vertebrate Paleontology.  
1990- Fellow, California Academy of Sciences.  
1992 Langston Centennial Lecturer, University of Texas.  
1995 Visiting Professor, Spring Semester, Universite Paris 7, France

### **Grants**

1977 Dean's Grant in Aid of Research, U.C. Berkeley.  
1977 Paleontology Research Grant, U.C. Berkeley.  
1978 Paleontology Research Grant, U.C. Berkeley.  
1978-79 Curriculum Development Grant, U.C. Berkeley.

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| 1979 | Theodore Roosevelt Memorial Fund, American Museum of Natural History.                                                                                                                        |
| 1987 | Research Fund, "A morphometric analysis of <u>Archaeopteryx</u> ," California Academy of Sciences.                                                                                           |
| 1988 | Geraldine Lindsay Fund, fieldwork in South Africa, California Academy of Sciences.                                                                                                           |
| 1988 | National Science Foundation, three year grant for "Phylogenetic Analysis of Early Ornithosuchian Archosaurs," California Academy of Sciences.                                                |
| 1989 | Geraldine Lindsay Fund, fieldwork in USSR, California Academy of Sciences.                                                                                                                   |
| 1989 | Geraldine Lindsay Fund, fieldwork in Argentina, California Academy of Sciences.                                                                                                              |
| 1990 | Research Fund, "European Dinosaurs," California Academy of Sciences.                                                                                                                         |
| 1990 | Theodore Roosevelt Memorial Fund, American Museum of Natural History.                                                                                                                        |
| 1991 | Research Fund, "An Early Cretaceous Troodontid from China," California Academy of Sciences.                                                                                                  |
| 1991 | NSF Biological Research Resources Program, two year grant for "Verification of Computerized Records of the Collections of the Department of Herpetology, California Academy of Sciences."    |
| 1992 | Research Fund, " <u>Archaeopteryx</u> and Other Fossil Reptiles in the Humboldt Museum, Berlin, Germany," California Academy of Sciences.                                                    |
| 1992 | Geraldine Lindsay Fund, fieldwork in Texas, California Academy of Sciences.                                                                                                                  |
| 1993 | Research Fund, fieldwork in Texas, California Academy of Sciences.                                                                                                                           |
| 1999 | NSF Biological Research Collection Grant (DBI-9876815): "Collection Improvement for O.C. Marsh's Dinosaurs at Yale Peabody Museum" 2yrs (M. Fox Co-PI)                                       |
| 1999 | Moore Fund, Curriculum Development, Yale University (2yrs)                                                                                                                                   |
| 2001 | NSF, three-year grant for "Total Evidence Phylogeny for Xantusiidae, and its Relationships Among Scleroglossa."                                                                              |
| 2002 | CT Dept Environmental Protection, 2 year grant for "CT Amphibian Diversity & Distribution Changes: A Study Based on Historic Samples of Amphibian Larvae, Including Eastern Spade-foot Toads |
| 2003 | NSF Biological Research Collection Grant, 5 year grant for "HerpNet: Development of a Distributed Information Network of North American Herpetological Databases, Yale Peabody Museum        |
| 2004 | NSF, 5 year grant for "AToL: The Deep Scaly Project: Resolving Squamate Phylogeny Using Genomic and Morphological Approaches                                                                 |
| 2004 | NSF Biological Research Collection Grant, a 5 five grant for "ORNIS: A Community Effort to Build an Integrated, Distributed, Enriched, and Error-free ORNithological Information System      |
| 2004 | NSF Biological Research Collections Grant, 3 year grant for "Conservation Of the Princeton Collection and Oversize Fossils at the Yale Peabody Museum                                        |

## **Teaching**

|      |                                                                  |
|------|------------------------------------------------------------------|
| 1981 | Teaching Assistant, "Animal Diversity" (Zoology), U.C. Berkeley. |
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| 1981-82 | Teaching Assistant, "General Biology" (Biology), U.C. Berkeley.                                                                        |
| 1982    | Teaching Associate, "Evolution of Dinosauria" (Paleontology), U.C. Berkeley.                                                           |
| 1987-96 | Numerous invited lectures at academic institutions, and public lectures and docent training courses at California Academy of Sciences. |
| 1988    | Short Course Lecturer, "Evolution of Dinosauria," California Academy of Sciences.                                                      |
| 1991    | Short Course Lecturer, "Origin of Birds," Extension Course, U. C. Berkeley.                                                            |
| 1992    | Short Course Lecturer, "California Desert Climatology and Herpetology," California Academy of Sciences.                                |
| 1993    | Short Course Lecturer, "Tetrapod Phylogeny," California Academy of Sciences.                                                           |
| 1994    | Short Course Lecturer, "California Desert Lizards" California Academy of Sciences.                                                     |
| 1994    | Short Course Lecturer, "The Diversification of the Amniotes," GSA short course #7, Seattle, Wa                                         |
| 1996-   | Instructor, "Systematics Discussion Group," Yale University                                                                            |
| 1996    | Instructor, "The Phylogenetic System," Yale University (Fall)                                                                          |
| 1997-   | Instructor, "The History of Life," Yale University (Spring)                                                                            |
| 1999-   | Instructor, "Vertebrate Paleontology," Yale University (Fall)                                                                          |
| 2003    | Instructor, "Lizard Evolution," Yale University (Spring)                                                                               |

### **Symposia** (Invited Speaker)

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| 1982 | "Phylogenetic Relationships of the Lizard Families," American Society of Zoologist's, Louisville, Kentucky.                        |
| 1984 | "International <u>Archaeopteryx</u> Conference," Eichstatt, Germany.                                                               |
| 1984 | "The Origin of Birds and the Evolution of Flight," American Association for the Advancement of Science, San Francisco, California. |
| 1985 | "Amniote Phylogeny," Hennig Society, Miami, Florida.                                                                               |
| 1986 | "The Phylogeny and Classification of the Tetrapods," Linnean Society, London, England.                                             |
| 1988 | "Chinese Fossils," American Museum of Natural History, New York, New York.                                                         |
| 1988 | "The Hierarchy of Life: Molecules and Morphology in Phylogenetic Analysis," Nobel Symposium, Karlskoga, Sweden.                    |
| 1990 | "Paleontology and Phylogeny Reconstruction," Society of Vertebrate Paleontology, Lawrence, Kansas.                                 |
| 1991 | "Phylogenetic Analysis and Macroevolutionary Issues," Geological Society of America, San Diego, California.                        |
| 1992 | "Missing Data in Phylogenetic Inference," Hennig Society, Paris, France.                                                           |
| 1994 | "Major Features of Vertebrate Evolution," Geological Society of America, Seattle, Washington.                                      |
| 1999 | "Special Symposium Honoring Richard Etheridge" American Society of Ichthyologists and Herpetologists, Penn State University.       |
| 1999 | "New Perspectives in the Origin and Evolution of Birds," Yale Peabody Museum & Dept Geology and Geophysics, Yale University.       |
|      | Organizer/Host                                                                                                                     |

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| 2002 | "Recent Advances in Lepidosaurian Evolution and Systematics" Society of Vertebrate Paleontology, University of Oklahoma. |
| 2004 | "International PhyloCode Conference," Paris, France                                                                      |
| 2010 | "Armand de Ricqlès' Symposium," College de France, Paris, France                                                         |

### **Professional Services and Organizations**

- Society of Systematic Biology
  - Agenda 2000: Co-Chair of Public Education Committee
  - Councilor, 1996-1998
- Willi Hennig Society
  - Councilor, 1988-91; 1998-00
- Society of Vertebrate Paleontology
  - Chair, Romer Prize Committee, 1987-90
  - Richard Estes Memorial Fund Committee, 1992-2001
- American Society of Ichthyologists and Herpetologists
  - Board of Governors, 1991-1996.
- International Society of Phylogenetic Nomenclature
  - Councilor, 2004-2007
  - President Elect 2006
- Royal Society
  - Editorial Board, Biology Letters, 2006-

### **Publications**

#### Abstracts

- Greene, H. and J. Gauthier, 1979. The adaptive zone of beaded lizards (Helodermatidae). Abstract In: Joint Annual Meeting of the Herpetologist's League (26th) and Society for the Study of Amphibians and Reptiles (21st). University of Tennessee, Knoxville.
- Gauthier, J., 1981. The origin of lizards. Abstract In: 61<sup>st</sup> Annual Meeting of the American Society of Ichthyologists and Herpetologists. Oregon State University, Corvallis.
- Rowe, T., J. Gauthier and A. Kluge, 1988. Computer-assisted tests of the role of fossils in phylogeny reconstruction. Abstract In: Geological Society of America, Annual Meeting Program, 20(7).
- Clark, J. and J. Gauthier, 1989. An unusual new, small, burrowing diapsid from the Jurassic of Mexico. Abstract In: Journal of Vertebrate Paleontology, 9(3):17A.
- Kluge, A.G. and J. Gauthier, 1993. Total evidence vs taxonomic congruence. Abstract In: Hennig Society Meeting, Copenhagen.
- Padian, K., J. Gauthier and N. Fraser, 1995. *Scleromochlus taylori* and the early evolution of pterosaurs. Abstract In: Journal of Vertebrate Paleontology, 15(3):47A.
- Maisano, J. A. and J. A. Gauthier, 1997. Timing and sequence of ossification of *Xantusia vigilis vigilis*, *Klauberina riversiana*, and *Lepidophyma gaigeae* (Squamata: Xantusiidae), and its implications for xantusiid phylogeny. Abstract In: American Society of Ichthyologists and Herpetologists (77th). University of Washington, Seattle.
- Gauthier, J. and G. Wagner, 1998. I,II,III or II, III, IV or both? A solution to the problem of avian digit homology. Abstract In: Journal of Vertebrate Paleontology 18(3):45A-46A.

- Gauthier, J. and G. Wagner, 1999. 1-2-3 or 2-3-4 or both: A solution to the problem of avian digit homology. Abstract In: American Society of Ichthyologists and Herpetologists (79th). Pennsylvania State University, State College.
- Gauthier, J.A., and A. D. Gishlick, 2000. Re-examination of the manus of *Compsognathus* and its relevance to the original morphology of the coelurosaurian manus. *Journal of Vertebrate Paleontology* 20(3):43A.
- Bell, C.J., and J.A. Gauthier, 2001. Phylogenetic systematics and Quaternary paleontology. *Journal of Vertebrate Paleontology* 21(3):33A.
- Clarke, J. A., and J.A. Gauthier. 2001. The origin and significance of a propatagium in flying Dinosaurs. *Journal of Vertebrate Paleontology* 21(3):41A.
- Bell, C.J. and J. Gauthier, 2002. North American Quaternary Squamata: Re-evaluation of the stability hypothesis. *Journal of Vertebrate Paleontology* 22(3):35A.
- Gauthier, J.A and C.J. Bell, 2002. Constraint, homoplasy, and informativeness in the evolution of the medial aperture of the recessus scalae tympani in lizards. *Journal of Vertebrate Paleontology* 22(3):57A.
- Smith, K.T. and J. Gauthier, 2002. Squamate diversity across the Eocene/Oligocene boundary: new data and the applicability of phylogeny. *Journal of Vertebrate Paleontology* 22(3):109A.
- Bell, Christopher and J. Gauthier, 2003. North American Quaternary Squamata: re-evaluation of the stability hypothesis. Ecological Society of America, 88<sup>th</sup> annual meeting, p.26.
- deQueiroz, K. and J Gauthier, 2004. Toward an integrated system of phylogenetically defined names. First International Phylogenetic Nomenclature Meeting. Paris, Museum National d'Histoire Naturelle, July 6-9.
- Rowe, T., JA Gauthier, K. de Queiroz, W.G. Joyce, J. F. Parham & J. Clarke, 2004. A Phylogenetic Nomenclature for the Major Clades of Amniota Haeckel 1866, with Emphasis on Mammalia Linnaeus 1758. First International Phylogenetic Nomenclature Meeting. Paris, Museum National d'Histoire Naturelle, July 6-9.
- Gauthier, J.A , K. de Queiroz, W.G. Joyce, J. F. Parham, T. Rowe & J. Clarke, 2004. Phylogenetic Nomenclature for the Major Clades of Amniota Haeckel 1866, with Emphasis on Non-Avian Reptilia Laurentus 1768. First International Phylogenetic Nomenclature Meeting. Paris, Museum National d'Histoire Naturelle, July 6-9.
- Clarke, J., JA Gauthier, K. de Queiroz, W.G. Joyce, J. F. Parham & T. Rowe, 2004. A Phylogenetic Nomenclature for the Major Clades of Amniota Haeckel 1866, with Emphasis on Aves Linnaeus 1758. First International Phylogenetic Nomenclature Meeting. Paris, Museum National d'Histoire Naturelle, July 6-9.
- Joyce, W. and J. Gauthier, 2006. A nearly complete skeleton of *Poposaurus gracilis* from the late Triassic of Utah. *Journal of Vertebrate Paleontology*, 26(3). 83A
- Peterson, K J, T R Lyson, A M Heimberg, E Sperling, J A Gauthier & P. C. J. Donoghue 2010. microRNAs and vertebrate evolution. *Geological Society of America Programs* 42(5)
- Peterson, K J, T R Lyson, E Sperling, A M Heimberg, J A Gauthier & P. C. J. Donoghue 2010. microRNAs and vertebrate phylogenetics. *Journal of Vertebrate Paleontology* 28(3):145A

#### Popular Publications

- Gauthier, J., 1989. Advances in science: A Nobel symposium on the hierarchy of life. *Academy Newsletter, CAS*, 3(1):3.

- Gauthier, J., 1992. Lifemap. Animals (Vertebrate, Mammal and Reptile stations). CD-ROM. California Academy of Sciences and Warner New Media, San Francisco and Burbank.
- Gauthier, J. 1998. Foreword to: The Mistaken Extinction: Dinosaur Evolution and the Origin of Birds. W.H. Freeman & Co., New York.
- Gauthier, J.A., 1999. China's feathered dinosaurs. Yale Peabody Museum of Natural History, 18pp.
- Gauthier, J.A., 2007. The Deep Scaly Project. Geology & Geophysics NEWS, Spring 2007:7-8

## Reviews

- Graham, R., J. Gauthier, R. Hook and D. Prothero, 1988. Vertebrate paleontology. Geotimes, 33(2):59-60.
- Graham, R., J. Gauthier, D. Prothero and H.-P. Schultze, 1989. Vertebrate paleontology. Geotimes, 34(2):46-47.
- Gauthier, J., D. Prothero, R. Cloutier and H.-P. Schultze, 1990. Vertebrate paleontology. Geotimes, 35(2):45-46.

## Research

- Gauthier, J., 1980. *Anniella* (Sauria: Anguidae) from the Miocene of California. Paleobios. 31:1-7.
- Gauthier, J., 1982. Fossil xenosaurid and anguid lizards from the early Eocene of Wyoming, and a revision of the Anguioidea. Contributions to Geology, University of Wyoming, 21(1):7-54.
- Gauthier, J., 1984. A cladistic analysis of the higher systematic categories of the Diapsida. University Microfilms International, Ann Arbor, #85-12825, vii + 564 pp.
- Gauthier, J. and K. Padian, 1985. Phylogenetic, functional, and aerodynamic analyses of the origin of birds and their flight. Pp. 185-197 In: M.K. Hecht, J.H. Ostrom, G. Viohl and P. Wellnhofer (eds.). Proceedings International *Archaeopteryx* Conference, Eichstatt. Freunde des Jura Museums, Eichstatt.
- Gauthier, J., 1986. Saurischian monophyly and the origin of birds. Pp. 1-55 In: K. Padian (ed.), The Origin of Birds and the Evolution of Flight. Memoirs California Academy of Sciences, No. 8.
- Pregill, G., J. Gauthier and H. Greene, 1986. The evolution of helodermatid squamates, with descriptions of new taxa and an overview of Varanoidea. Transactions San Diego Natural History Society, 21(11):167-202.
- Gauthier, J., R. Estes and K. de Queiroz, 1988. A phylogenetic analysis of Lepidosauromorpha. Pp. 15-98 In: R. Estes and G. Pregill (eds.), The Phylogenetic Relationships of the Lizard Families. Stanford University Press, Palo Alto.
- Estes, R., K. de Queiroz and J. Gauthier, 1988. Phylogenetic relationships within Squamata. Pp. 119-281 In: R. Estes and G. Pregill (eds.), The Phylogenetic Relationships of the Lizard Families. Stanford University Press, Palo Alto.
- Gauthier, J., 1988. Evolution of archosaur ankle joints: A reply to Cruickshank and Benton. Nature, 331:218.
- Gauthier, J., A. Kluge and T. Rowe, 1988. Amniote phylogeny and the importance of fossils. Cladistics, 4(2):105-209.

- Gauthier, J., A. Kluge and T. Rowe, 1988. The early evolution of the Amniota. Pp. 103-155 In: M.J. Benton (ed.), The Phylogeny and Classification of the Tetrapods, Volume I: Amphibians, Reptiles and Birds. Systematics Association Special Volume #35A. Clarendon Press, Oxford.
- Gauthier, J., D. Cannatella, K. de Queiroz, A. Kluge and T. Rowe, 1989. Tetrapod phylogeny. Pp. 337-353 In: B. Fernholm, K. Bremer and H. Jornvall (eds.), The Hierarchy of Life: Proceedings of the 70th Nobel Symposium. Elsevier Science Publishers B.V., Amsterdam.
- Gauthier, J. and K. Padian, 1989. The origin of birds and the evolution of flight. Pp. 121-133 In: K. Padian (ed.), The Age of Dinosaurs: Short Courses in Paleontology #2. Paleontological Society.
- Donoghue, M., J. Doyle, J. Gauthier, A. Kluge and T. Rowe, 1989. The importance of fossils in phylogeny reconstruction. Annual Review of Ecology and Systematics, 20:431-460.
- Houck, M., J. Gauthier, R. Strauss, 1990. Allometric scaling in the earliest fossil bird, *Archaeopteryx lithographica*. Science, 247:195-198.
- Rowe, T. and J. Gauthier, 1990. Ceratosauria. Pp. 151-168 In: D. Weishample, P. Dodson and H. Osmolska (eds.), The Dinosauria. University of California Press, Berkeley.
- de Queiroz, K. and J. Gauthier, 1990. Phylogeny as a central principle in taxonomy: Phylogenetic definitions of taxon names. Systematic Zoology, 39(4):307-322.
- de Queiroz, K. and J. Gauthier, 1992. Phylogenetic taxonomy. Annual Review of Ecology and Systematics, 23:449-480.
- Rowe, T. and J. Gauthier, 1992. Ancestry, paleontology, and the definition of the name Mammalia. Systematic Biology, 41(3): 372-378.
- Clark, J., J. Welman, J. Gauthier and M. Parish, 1993. The laterosphenoid bone of early archosauriforms. Journal of Vertebrate Paleontology, 13(1):48-57.
- de Queiroz, K. and J. Gauthier, 1994. Toward a phylogenetic system of biological nomenclature. Trends in Research in Ecology and Evolution, 9(1):27-31.
- Gauthier, J.A., 1994. The diversification of the amniotes. Pp. 129-159 In: D. Prothero (ed.), Major Features of Vertebrate Evolution: Short Courses in Paleontology. Paleontological Society.
- Britt, B., P. Makovicky, J. Gauthier and N. Bonde, 1998. Postcranial pneumaticity in *Archaeopteryx*. Nature, 395:374-376.
- Wagner, G.P. and J. A. Gauthier, 1999. 1,2,3 = 2,3,4: A solution to the problem of the homology of the digits in the avian hand. Proceedings of the National Academy of Sciences, 96:5111-5116.
- Nydam, R.L., J.A. Gauthier, and J.J. Chiment, 2000. The mammal-like teeth of the late Cretaceous lizard *Peneteius aquilonius* Estes 1969 (Squamata, Teiidae). Journal of Vertebrate Paleontology 20(3):628-631.
- Laurin, M., and J.A. Gauthier, 2000. Diapsida. In Maddison, D. and Maddison, W. (eds) The Tree of Life. <http://phylogeny.arizona.edu/tree/eukaryotes/animals/chordata/diapsida.html>
- Laurin, M., and J.A. Gauthier, 2000. Diapsid phylogeny. In Maddison, D. and Maddison, W. (eds) The Tree of Life. [http://phylogeny.arizona.edu/tree/eukaryotes/animals/chordata/diapsid\\_lichen/diapsid\\_phylogeny.html](http://phylogeny.arizona.edu/tree/eukaryotes/animals/chordata/diapsid_lichen/diapsid_phylogeny.html)
- Laurin, M., and J.A. Gauthier, 2000. Autapomorphies of diapsid clades. In Maddison, D. and Maddison, W. (eds) The Tree of Life. [http://phylogeny.arizona.edu/tree/eukaryotes/animals/chordata/diapsid\\_lichen/diapsid\\_autapomorphies.html](http://phylogeny.arizona.edu/tree/eukaryotes/animals/chordata/diapsid_lichen/diapsid_autapomorphies.html)

- Gauthier, J. and L.F. Gaul, (eds.) 2001. New perspectives on the origin and early evolution of birds: proceeding of the international symposium in honor of John H. Ostrom. Special Publication of the Peabody Museum of Natural History, Yale University, New Haven, CT. 613pp.
- Gauthier, J. and K. de Queiroz, 2001. Feathered dinosaurs, flying dinosaurs, crown Dinosaurs, and the name "Aves." Pp. 7-41 In: J. Gauthier and L.F. Gall (eds.), "New Perspectives on the Origin and early Evolution of Birds: Proceeding of the International Symposium in Honor of John H. Ostrom." Spec. Pub. Peabody Mus. Nat. Hist., New Haven, CT. 613pp.
- Gauthier, J. 2001. Introduction. Pp. 3-4 In: J. Gauthier and L.F. Gall (eds.), "New Perspectives on the Origin and early Evolution of Birds: Proceeding of the International Symposium in Honor of John H. Ostrom." Spec. Pub. Peabody Mus. Nat. Hist., New Haven, CT. 613pp.
- Gauthier, J. 2001. Acknowledgments. P. xi In: J. Gauthier and L.F. Gall (eds.), "New Perspectives on the Origin and early Evolution of Birds: Proceeding of the International Symposium in Honor of John H. Ostrom." Spec. Pub. Peabody Mus. Nat. Hist., New Haven, CT. 613pp.
- Maisano, J.A., C.J. Bell, J. Gauthier and T. Rowe. 2002. The osteoderms and palpebral in *Lanthanotus borneensis* (Squamata: Anguimorpha). *Journal of Herpetology*. 36(4):678-682.
- Vicario, S., A. Caccone, and J. Gauthier, 2003. Xantusiid "Night" lizards: a puzzling phylogenetic problem revisited using Likelihood-based Bayesian methods on mtDNA sequences. *Journal of Molecular Phylogenetics and Evolution*. 26: 243-261.
- Joyce, W. and J. Gauthier, 2004. Paleoecology of Triassic stem turtles sheds new light on turtle origins. *Transactions of Royal Society of London B*. 271:1-5.
- Donoghue, M.J. and J.A. Gauthier, 2004. Implementing the PhyloCode. *Trends in Ecology & Evolution* 19(6):281-282.
- Joyce, W.G., J.F. Parham, J.A. Gauthier, 2004. Developing a protocol for the conversion of rank-based taxon names to phylogenetically defined clade names, as exemplified by turtles. *Journal of Paleontology* vol 78(5):989-1013.
- Parker, W.G., D.L. Brinkman, M. Fox, J.A. Gauthier, W.G., Joyce, L.K. Murray, 2006. New additions to the fauna of the Upper Triassic Chinle Formation of Utah. *Museum of Northern Arizona Bulletin* 62:166-167.
- Gishlick, A. and J.A. Gauthier. 2007. On the manual morphology of *Compsognathus longipes*. *Zoological Journal of the Linnean Society* 149:569-581.
- Rieppel, O., J. Gauthier, and J. Maisano. 2008. Comparative morphology of the dermal palate in squamate reptiles, with comments on phylogenetic implications. *Zoological Journal of the Linnean Society* 152:131-152
- Gauthier, J., M. Kearney, and R. L. Bezy. 2008. Homology of cephalic scales in xantusiid lizards, with comments on Night Lizard phylogeny and morphological evolution. *Journal of Herpetology* 42:708-722.
- Raselimanana, A. P., B. Noonan, K. Praveen Karanth, J. Gauthier and A. Yoder, 2009. Phylogeny and evolution of Malagasy plated lizards. *Molecular Phylogenetics and Evolution* 50:336-344.
- Vargas, A.O., G.P. Wagner and J. A. Gauthier. 2009. *Limusaurus* and bird digit identity. *Nature Precedings* <http://hdl.handle.net/10101/npre.2009.3828.1>
- Bell, C.J., J.A. Gauthier and G.S. Bever. 2010. Covert biases, circularity, and apomorphies: A critical look at the North American Quaternary Herpetofaunal Stability Hypothesis. *Quaternary International* 217:30-36.

- Lyson, T.R., G.S. Bever, B.-A. Bhullar, W.G. Joyce, and J.A. Gauthier. 2010. Transitional fossils and the origin of turtles. *Biology Letters* 6:830-833.
- Lyson, T.R., E.A. Sperling, A.M. Heimberg, J.A. Gauthier, B.L. King and K.J. Peterson. 2011. MicroRNAs support a turtle + lizard clade. *Biology Letters*. doi: 1098/rsbl.2011.0477
- Gauthier, J.A., S.J. Nesbitt, E.R. Schachner, G.S. Bever, W.G. Joyce. 2011. The bipedal stem crocodilian *Poposaurus gracilis*: inferring function in fossils and innovation in archosaur locomotion. *Bulletin of the Peabody Museum of Natural History* 52(1):107-126.