



ZOOTAXA

3735

Nomenclatural and taxonomic problems related to the electronic publication of new nomina and nomenclatural acts in zoology, with brief comments on optical discs and on the situation in botany

Alain DUBOIS¹, Pierre-André CROCHET², Edward C. DICKINSON³, André NEMÉSIO⁴, Erna AESCHT⁵, Aaron M. BAUER⁶, Vladimir BLAGODEROV⁷, Roger BOUR¹, Marcelo R. DE CARVALHO⁸, Laure DESUTTER-GRANDCOLAS⁹, Thierry FRÉTEY¹⁰, Peter JÄGER¹¹, Victoire KOYAMBA¹, Esteban O. LAVILLA¹², Ivan LÖBL¹³, Antoine LOUCHART¹⁴, Valéry MALÉCOT¹⁵, Heinrich SCHATZ¹⁶ & Annemarie OHLER¹

¹ Reptiles & Amphibiens, UMR 7205 OSEB, Département Systématique & Evolution, Muséum national d'Histoire naturelle, CP 30, 25 rue Cuvier, 75005 Paris, France <adubois@mnhn.fr>, <bour@mnhn.fr>, <bibrept@mnhn.fr>, <annemarie.ohler@mnhn.fr>

² CNRS-UMR5175 CEFE, Centre d'Ecologie Fonctionnelle et Evolutive, 1919 route de Mende, 34293 Montpellier Cedex, France <pierre-andre.crochet@cefe.cnrs.fr>

³ Trust for Avian Systematics, Flat 3, 19 Bolsover Road, Eastbourne, East Sussex BN20 7JG, U.K. <edward@asiaorn.org>

⁴ Instituto de Biologia, Universidade Federal de Uberlândia, Rua Ceará, S/N, Uberlândia, MG, 38400-902, Brazil <andre.nemesio@gmail.com>

⁵ Biology Centre of the Upper Austrian Museums, J.-W.-Klein-Straße 73, 4040 Linz, Austria <e.aescht@landesmuseum.at>

⁶ Department of Biology, Villanova University, 800 Lancaster Avenue, Villanova, Pennsylvania 19085, USA <aaron.bauer@villanova.edu>

⁷ Department of Life Sciences, The Natural History Museum, Cromwell Road, London, SW7 5BD, UK <vblago@gmail.com>

⁸ Departamento de Zoologia, Instituto de Biociências, Universidade de São Paulo, Rua do Matão, Trav. 14, no. 101, São Paulo, SP, 05508-900, Brazil <mrcarvalho@ib.usp.br>

⁹ Muséum national d'Histoire naturelle, Département Systématique et Evolution, UMR 7205 CNRS, Origine, Structure et Evolution de la Biodiversité (OSEB), 57 rue Cuvier, CP 50 (Entomologie), 75231 Paris Cedex 05, France <desutter@mnhn.fr>

¹⁰ Association RACINE, 5, allée des cygnes, 35750 Saint Maugan, France <fretey.thierry@wanadoo.fr>

¹¹ Arachnology, Senckenberg Research Institute, Senckenberganlage 25, 60325 Frankfurt, Germany <peter.jaeger@senckenberg.de>

¹² Instituto de Herpetología, Fundación Miguel Lillo, CONICET, Miguel Lillo 251, 4000 Tucumán, Argentina <eolavilla@gmail.com>

¹³ Muséum d'Histoire naturelle, route de Malagnou 1, 1208 Genève, Switzerland <ivan@loebli.ch>

¹⁴ IGFL, équipe "Evo-dévo de la denture chez les vertébrés", Centre National de la Recherche Scientifique, ENS de Lyon, 46 allée d'Italie, 69364 Lyon Cedex 07, France <antoine.louchart@ens-lyon.fr>

¹⁵ UMR 1345 IRHS, Agrocampus Ouest, Centre d'Angers, 2 rue Le Nôtre, 49000 Angers, France <valery.malecot@inh.fr>

¹⁶ Institut für Zoologie, Leopold-Franzens-Universität Innsbruck, Technikerstraße 25, 6020 Innsbruck, Austria <heinrich.schatz@uibk.ac.at>



Magnolia Press
Auckland, New Zealand

Alain DUBOIS, Pierre-André CROCHET, Edward C. DICKINSON, André NEMÉSIO, Erna AESCHT, Aaron M. BAUER, Vladimir BLAGODEROV, Roger BOUR, Marcelo R. DE CARVALHO, Laure DESUTTER-GRANDCOLAS, Thierry FRÉTEY, Peter JÄGER, Victoire KOYAMBA, Esteban O. LAVILLA, Ivan LÖBL, Antoine LOUCHART, Valéry MALÉCOT, Heinrich SCHATZ & Annemarie OHLER.

Nomenclatural and taxonomic problems related to the electronic publication of new nomina and nomenclatural acts in zoology, with brief comments on optical discs and on the situation in botany
(*Zootaxa* 3735)

94 pp.; 30 cm.

11 November 2013

ISBN 978-1-77557-296-1 (paperback)

ISBN 978-1-77557-297-8 (Online edition)

FIRST PUBLISHED IN 2013 BY

Magnolia Press

P.O. Box 41-383

Auckland 1346

New Zealand

e-mail: zootaxa@mapress.com

<http://www.mapress.com/zootaxa/>

© 2013 Magnolia Press

reliability of nomenclatural works, steps might have to be taken in due time to cancel these new Rules and to replace them by better ones. Despite the fact that the previous Rules, until the 1999 *Code*, where only paper publications were nomenclaturally available, had largely stood the test of time, being only minimally technology-dependent and as such much less fragile than are potentially electronic publications, communication and archiving, it is quite unlikely that scientific publication will come back to pre-electronic times. The best course of action will then be perfecting the *Code* to adapt to the new situation and cope with its problems, some of which are likely to appear only after a certain period of practice of the new Rules.

Acknowledgements

For useful advice and comments on previous versions of this work or discussion of its content, we are very grateful to Mohamed Berkani, Thierry Deuve, Daniel L. Geiger, Philippe Grandcolas, Mark Judson and Zhi-Qiang Zhang. For their help regarding bibliography, we sincerely thank Myriamne Brival, Jean-Paul Fructus and Michèle Lenoir. We thank Alessandro Minelli and an anonymous reviewer for their constructive comments on a previous version of this paper.

References

Note. In this reference list, a work that has been first published under a paper version (whether accompanied by an online version bearing a different ISSN/ISBN, or not) is just cited without further mention, but a work that was first distributed as an online document is indicated as such, and additional information about it is provided at the end of the reference: (1) before 2012, whether paper printed facsimiles are known to have been deposited in five major libraries; (2) after 2011, whether the work was preregistered in *ZooBank* before online distribution, thus qualifying as an **online publication** available for zoological nomenclature, or not, thus qualifying as an **online document** unpublished in the sense of the zoological *Code*. The precise dates (day, month) given for some references between brackets after the year are those indicated on the PDF of the work itself, but may be different from the actual date of publication in the sense of the *Code* (see text for details).

- Anonymous [International Commission on Zoological Nomenclature] (1985) *International Code of Zoological Nomenclature*. Third edition. International Trust for zoological Nomenclature, London, xx + 338 pp.
- Anonymous [Systematics Agenda 2000] (1994) *Charting the Biosphere: a Global Initiative to Discover, Describe and Classify the World's Species. Technical Report*. American Museum of Natural History, American Society of Plant Taxonomy, Society of Systematic Biologists and the Willi Hennig Society, New York, 34 pp.
- Anonymous [International Commission on Zoological Nomenclature] (1999) *International code of zoological nomenclature*. Fourth edition. International Trust for zoological Nomenclature, London, xxix + 306 pp.
- Anonymous (2005a) Turkey renames “foreign” animals. *Daily Times*, 8 March 2005. Online document available from: http://www.dailytimes.com.pk/default.asp?page=story_8-3-2005_pg9_6 [Accessed 28 Oct. 2013].
- Anonymous (2005b) Paging George Orwell. *Foreign Dispatches*, 17 March 2005. Online document available from: http://foreigndispatches.typepad.com/dispatches/2005/03/paging_george_o.html [Accessed 28 Oct. 2013].
- Anonymous [International Commission on Zoological Nomenclature] (2008a) Proposed amendment of the *International Code of Zoological nomenclature* to expand and refine methods of publication. *Zootaxa*, 1908, 57–67.
- Anonymous [The Buffon Symposium] (2008b) *The Buffon Declaration. Natural History Institutions and the Environmental Crisis. Concluding Message from the Buffon Symposium – October 18th and 19th, 2007*. Muséum National d’Histoire Naturelle, Paris. [http://www.mnhn.fr/museum/front/medias/pdf/13696_The_Buffon_Declaration_CBDmay08_Eng.pdf] [Accessed 28 Oct. 2013].
- Anonymous [Special Committee on Electronic Publication] (2010) 203–213. Proposals to permit electronic publications to be effectively published under specified conditions. *Taxon*, 59 (6), 1907–1908.
- Anonymous [International Commission on Zoological Nomenclature] (2012a) Amendment of Articles 8, 9, 10, 21 and 78 of the *International Code of Zoological nomenclature* to expand and refine methods of publication. *Zootaxa*, 3450, 1–7.
- Anonymous [International Commission on Zoological Nomenclature] (2012b) Amendment of Articles 8, 9, 10, 21 and 78 of the *International Code of Zoological nomenclature* to expand and refine methods of publication. *ZooKeys*, 219, 1–10. <http://dx.doi.org/10.3897/zookeys.219.3944>
- Anonymous (2012c) The name game. *Nature*, 489, 178. <http://dx.doi.org/10.1038/489178a>
- Anonymous [International Commission on Zoological Nomenclature] (2012d) Amendment of Articles 8, 9, 10, 21 and 78 of the *International Code of Zoological nomenclature* to expand and refine methods of publication. *Bulletin of zoological*

- Abella, J., Alba, D.M., Robles, J.M., Valenciano, A., Rotgers, C., Carmona, R., Montoya, P. & Morales, J. (2012) *Kretzoiarctos* gen. nov., the oldest member of the giant panda clade. *PLoS One*, 7 (11) [e48985], 1–7 + online supporting information (Tables S1–S2, Text S1). Online publication preregistered in *ZooBank*, available from: <http://www.plosone.org/article/doi/10.1371/journal.pone.0048985> [Accessed 28 Oct. 2013].
- Ahmed, M.A. (2010) *The Legal Status of the Kurds in the Middle East: the Twenty-first Century Policies of Turkey, Iran, Syria and Iraq Towards the Kurds*. PhD, University of Exeter, 278 pp.
- Allcock, L. & Polaszek, A. (2010) Contributions to the discussion on electronic publication VI. *Bulletin of zoological Nomenclature*, 67 (4), 278.
- Andrade Filho, J.D., Lamy Serra e Meira, P.C., de Castilho Sanguinette, C. & Peçanha Brazil, R. (2009) Description of a new species, *Pintomyia dissimilis* nov. sp., a phlebotomine fossil from Dominican Republic amber (Diptera: Psychodidae: Phlebotominae). *Parasites & Vectors*, 2 (25), 1–4. Online document available from: <http://www.parasitesandvectors.com/content/pdf/1756-3305-2-25.pdf> [Accessed 28 Oct. 2013]; facsimiles deposited in libraries on 12 June 2009. <http://dx.doi.org/10.1186/1756-3305-2-25>
- Andriaholinirina, N., Fausser, J.-L., Roos, C., Zinner, D., Thalmann, U., Rabarivola, C., Ravoarimanana, I., Ganzhorn, J.U., Meier, B., Hilgartner, R., Walter, L., Zaramody, A., Langer, C., Hahn, T., Zimmermann, E., Radespiel, U., Craul, M., Tomiuk, J., Tattersall, I. & Rumpfer, Y. (2006) Molecular phylogeny and taxonomic revision of the sportive lemurs (*Lepilemur*, Primates). *BMC evolutionary Biology*, 6 (17), 1–13 + 8 additional online files. <http://dx.doi.org/10.1186/1471-2148-6-17>
- Bargues, M.D., Artigas, P., Khoubbane, M. & Mas-Coma, S. (2011) [12 July] DNA sequence characterisation and phylogeography of *Lymnaea cousini* and related species, vectors of fascioliasis in northern Andean countries, with description of *L. meridensis* n. sp. (Gastropoda: Lymnaeidae). *Parasites & Vectors*, 4 (132), 1–22. Online document available from: <http://www.parasitesandvectors.com/content/pdf/1756-3305-4-132.pdf> [Accessed 28 Oct. 2013]; facsimiles deposited in libraries on unknown date. <http://dx.doi.org/10.1186/1756-3305-4-132>
- Beck, J. (2012) Taxonomy on the fast track. *Frontiers of Biogeography*, 4, 52–53.
- Béthoux, O., Cui, Y., Kondratieff, B., Stark, B. & Ren, D. (2011) At last, a Pennsylvanian stem-stonefly (Plecoptera) discovered. *BMC evolutionary Biology*, 11 (248), 1–12. Online document available from: <http://www.biomedcentral.com/content/pdf/1471-2148-11-248.pdf> [Accessed 28 Oct. 2013]. <http://dx.doi.org/10.1186/1471-2148-11-248>
- Biju, S.D., Van Bocxlaer, I., Giri, V.B., Loader, S.P. & Bossuyt, F. (2009) Two new endemic genera and a new species of toad (Anura, Bufonidae) from the Western Ghats of India). *BMC Research Notes*, 2 (241), 1–6. Online document available from: <http://www.biomedcentral.com/content/pdf/1756-0500-2-241.pdf> [Accessed 28 Oct. 2013]; facsimiles deposited in libraries on unknown date. <http://dx.doi.org/10.1186/1756-0500-2-241>
- Bilandžija, H., Morton, B., Podnar, M. & Četković, H. (2013) [6 February] Evolutionary history of relict *Congerina* (Bivalvia: Dreissenidae): unearthing the subterranean biodiversity of the Dinaric Karst. *Frontiers in Zoology*, 10 (5), 1–17 + 2 additional online files. Online document not preregistered in *ZooBank*, available from: <http://www.biomedcentral.com/content/pdf/1742-9994-10-5.pdf> [Accessed 28 Oct. 2013]. <http://dx.doi.org/10.1186/1742-9994-10-5>
- Boero, F. (2010) The study of species in the era of biodiversity: a tale of stupidity. *Diversity*, 2, 115–126. <http://dx.doi.org/10.3390/d2010115>
- Bohannon, J. (2013) Who's afraid of peer review? *Science*, 342, 60–65. <http://dx.doi.org/10.1126/science.342.6154.60>
- Bour, R. (2003) Previously unrecognized original type specimens of American turtles collected by John Le Conte in 1828. *Chelonian Conservation & Biology*, 4 (3), 537–547.
- Bour, R. & Dubois, A. (1984) Nomenclatural availability of *Testudo coriacea* Vandelli, 1761: a case against a rigid application of the Rules to old, well-known zoological works. *Journal of Herpetology*, 17 (4), 356–361.
- Brochu, C.A., Njau, J., Blumenschine, R.J. & Densmore, L.D. (2010) A new horned crocodile from the Plio-Pleistocene hominid sites at Olduvai Gorge, Tanzania. *PLoS One*, 5 (2) [e9333], 1–13 + online supporting information (Appendix S1). Online document available from: <http://www.plosone.org/article/doi/10.1371/journal.pone.0009333> [Accessed 28 Oct. 2013]. <http://dx.doi.org/10.1371/journal.pone.0009333>
- Brown, L.E., Dubois, A. & Shepard, D.B. (2008) Inefficiency and bias of search engines in retrieving references containing scientific names of fossil amphibians. *Bulletin of Science, Technology & Society*, 28 (4), 279–288. <http://dx.doi.org/10.1177/0270467608320197>
- Carlos, C.J. & Voisin, J.-F. (2009) A few remarks on the proposed amendment of the *International Code of Zoological Nomenclature* to expand and refine methods of publication. *Zootaxa*, 2198, 67–68.
- Carnevale, R.J. & Aronsky, D. (2005) The life and death of URLs in five biomedical informatics journals. *International Journal of medical Informatics*, 76, 269–273. <http://dx.doi.org/10.1016/j.ijmedinf.2005.12.001>
- Carvalho, G.M.L., Brazil, R.P., Sanguinette, C.C. & Andrade Filho, J.D. (2011) Description of *evandromyia spelunca* [sic], a new phlebotomine species of the *cortezii* complex, from a cave in Minas Gerais State, Brazil (Diptera: Psychodidae:

- Phlebotominae). *Parasites & Vectors*, 4 (158), 1–8. Online document available from: <http://www.parasitesandvectors.com/content/pdf/1756-3305-4-158.pdf> [Accessed 28 Oct. 2013].
<http://dx.doi.org/10.1186/1756-3305-4-158>
- Chantangsi, C., Esson, H.J. & Leander, B.S. (2008) [22 July] Morphology and molecular phylogeny of a marine interstitial tetraflagellate with putative endosymbionts: *Auranticordis quadriverberis* n. gen. et sp. (Cercozoa). *BMC Microbiology*, 8 (123), 1–16. Online document available from: <http://www.biomedcentral.com/content/pdf/1471-2180-8-123.pdf> [Accessed 28 Oct. 2013].
<http://dx.doi.org/10.1186/1471-2180-8-123>
- Chapman, A.D., Turland, N.J. & Watson, M.F. (2010) Report of the special committee on electronic publication. *Taxon*, 56 (6), 1853–1862.
<http://dx.doi.org/10.2307/4135588>
- China, W. E. (1962) Amendment to the proposal to validate under the plenary powers the specific name *Trombidium akamushi* Brumpt, 1910. Z.N.(S.) 400. *Bulletin of zoological Nomenclature*, 19 (2), 155.
- Clerck, C. (“1758”) *Aranei Svecici, descriptionibus et figures aeneis illustrati, ad genera subalterna redacti, speciebus ultra LX determinati, auspiciis Regiae Societatis Scientiarum upsaliensis*. Laurentii Salvii, Stockholmiae, 1757, [i–xvi] + 1–154, pl. 1–6.
- Correa, A.C., Escobar, J.S., Durand, P., Renaud, F., David, P., Jame, P., Pointier, J.-P. & Hurtrez-Boussès (2010) [9 December] Bridging gaps in the molecular phylogeny of the Lymnaeidae (Gastropoda: Pulmonata), vectors of fascioliasis. *BMC evolutionary Biology*, 10 (381), 1–12. Online document available from: <http://www.biomedcentral.com/content/pdf/1471-2148-10-381.pdf> [Accessed 28 Oct. 2013].
<http://dx.doi.org/10.1186/1471-2148-10-381>
- Craul, M., Zimmermann, E., Rasoloharijaona, S., Randrianambinina & Radespiel, U. (2007) Unexpected species diversity of Malagasy primates (*Lepilemur* spp.) in the same biogeographical zone: a morphological and molecular approach with the description of two new species. *BMC evolutionary Biology*, 7 (83), 1–15 + 3 additional online files. Online document available from: <http://www.biomedcentral.com/content/pdf/1471-2148-7-83.pdf> [Accessed 28 Oct. 2013].
<http://dx.doi.org/10.1186/1471-2148-7-83>
- Crisci, J.V. (2006a) One-dimensional systematist: perils in a time of steady progress. *Systematic Botany*, 31 (1), 217–221.
<http://dx.doi.org/10.1600/036364406775971859>
- Crisci, J.V. (2006b) Making taxonomy visible. *Systematic Botany*, 31 (2), 439–440.
<http://dx.doi.org/10.1600/03636440677585829>
- Crochet, P.-A. (2007) Nomenclature of European plethodontid salamanders: *Speleomantes* Dubois, 1984 has precedence over *Atylodes* Gistel, 1868. *Amphibia-Reptilia*, 28, 170–172.
<http://dx.doi.org/10.1163/156853807779799063>
- David, N. & Dubois, A. (2011) The original spellings of *Thryothorus* Vieillot, 1816 (Vertebrata, Aves): a correction. *Zootaxa*, 2918, 68.
- Dayrat, B. (2005) Towards integrative taxonomy. *Biological Journal of the Linnean Society*, 85, 407–415.
<http://dx.doi.org/10.1111/j.1095-8312.2005.00503.x>
- De Carvalho, M.R., Bockmann, F.A., Amorim, D. S. & Brandão, C.R.F. (2008) Systematics must embrace comparative biology and evolution, not speed and automation. *Evolutionary Biology*, 35, 150–157.
<http://dx.doi.org/10.1007/s11692-008-9018-7>
- De Carvalho, M.R., Bockmann, F.A., Amorim, D.S., Brandão, C.R.F., de Vivo, M., de Figueiredo, J.L., Britski, H.A., de Pinna, M.C. C., Menezes, N.A., Marques, F.P.L., Papavero, N., Canello, E.M., Crisci, J.V., McEachran, J.D., Schelly, R.C., Lundberg, J.G., Gill, A.C., Britz, R., Wheeler, Q.D., Stiassny, M.L.J., Parenti, L.R., Page, L.M., Wheeler, W.C., Faivovich, J., Vari, R.P., Grande, L., Humphries, C.J., DeSalle, R., Ebach, M.C. & Nelson, G. (2007) Taxonomic impediment or impediment to taxonomy? A commentary on systematics and the cybertaxonomic-automation paradigm. *Evolutionary Biology*, 34, 140–143.
<http://dx.doi.org/10.1007/s11692-007-9011-6>
- De Carvalho, M.R., Bockmann, F.A., Amorim, D.S., de Vivo, M., de Toledo-Piza, M., Menezes, N.A., de Figueiredo, J.L., Castro, R. M.C., Gill, A.C., McEachran, J.D., Compagno, L.J.V., Schelly, R.C., Britz, R., Lundberg, J.G., Vari, R.P. & Nelson, G. (2005) Revisiting the taxonomic impediment. *Science*, 307, 353.
- De Carvalho, M.R., Ebach, M.C., Williams, D.M., Nihei, S.S., Rodrigues, M.T., Grant, T., Silveira, L.F., Zaher, H., Gill, A.C., Schelly, R. C., Sparks, J. S., Bockmann, F. A., Séret, B., Ho, H.-C., Grande, L., Rieppel, O., Dubois, A., Ohler, A., Faivovich, J., Assis, L. C.S., Wheeler, Q.D., Goldstein, P.Z., de Almeida, E.A.B., Valdecasas, A.G. & Nelson, G. (2013) Does counting species count as taxonomy? On misrepresenting systematics, yet again. *Cladistics*, in press. [Published online on 28 June 2013].
<http://dx.doi.org/10.1111/cla.12045>
- Dellavalle, R. P., Hester, E. J., Heilig, L. F., Drake, A. L., Kuntzman, J. W., Graber, M. & Schilling, L. M. (2003) Going, going, done: lost internet references. *Science*, 302, 787–788.
<http://dx.doi.org/10.1126/science.1088234>
- Depaquit, J., Muller, F. & Léger, N. (2009) *Phlebotomus (Euphlebotomus) barguesae* n. sp. from Thailand (Diptera – Psychodidae). *Parasites & Vectors*, 2 (5), 1–6. Online document available from: <http://www.parasitesandvectors.com/content/pdf/1756-3305-2-5.pdf> [Accessed 28 Oct. 2013].
<http://dx.doi.org/10.1186/1756-3305-2-5>
- Dickinson, E.C. (ed.) (2003) *The Howard & Moore complete checklist of the birds of the world*. Revised and enlarged third edition. Christopher Helm, London, 1039 pp.
- Dickinson, E.C., Overstreet, L., Dowsett, R.J. & Bruce, M.D. (2011) *Priority! The Dating of Scientific Names in Ornithology*. Aves Press Limited, Northampton, 319 pp.

- Dimitrova, D.V. & Bugeja, M. (2007) The half-life of internet references cited in communication journals. *New Media and Society*, 9, 811–826.
<http://dx.doi.org/10.1177/1461444807081226>
- Donaire Barroso, D. & Bogaerts, S. (2003) A new subspecies of *Salamandra algira* Bedriaga, 1883 from northern Morocco. *Podarcis*, 4 (3), 84–100. Online document available from: http://vipersgarden.at/PDF_files/PDF-1367-gb.pdf [Accessed 28 Oct. 2013].
- Dubois, A. (1984) La nomenclature supragénérique des Amphibiens Anoures. *Mémoires du Muséum national d'Histoire naturelle*, (A), 131, 1–64.
- Dubois, A. (1988) The genus in zoology: a contribution to the theory of evolutionary systematics. *Mémoires du Muséum national d'Histoire naturelle*, (A), 140, 1–123.
- Dubois, A. (1997) An evolutionary biologist's view on the science of biology. *Alytes*, 15 (3), 133–136.
- Dubois, A. (1999) Miscellanea nomenclatorica batrachologica. 19. Notes on the nomenclature of Ranidae and related groups. *Alytes*, 17 (1–2), 81–100.
- Dubois, A. (2000) Synonymies and related lists in zoology: general proposals, with examples in herpetology. *Dumerilia*, 4 (2), 33–98.
- Dubois, A. (2003a) The relationships between taxonomy and conservation biology in the century of extinctions. *Comptes rendus Biologies*, 326 (suppl. 1), S9–S21.
[http://dx.doi.org/10.1016/s1631-0691\(03\)00022-2](http://dx.doi.org/10.1016/s1631-0691(03)00022-2)
- Dubois, A. (2003b) Editorial. Should internet sites be mentioned in the bibliographies of scientific publications? *Alytes*, 21 (1–2), 1–2.
- Dubois, A. (2004) Editorial. *Alytes*, a different journal. *Alytes*, 21 (3–4), 105–110.
- Dubois, A. (2005) Proposed Rules for the incorporation of nomina of higher-ranked zoological taxa in the *International Code of Zoological Nomenclature*. 1. Some general questions, concepts and terms of biological nomenclature. *Zoosystema*, 27 (2), 365–426.
- Dubois, A. (2006a) Proposed Rules for the incorporation of nomina of higher-ranked zoological taxa in the *International Code of Zoological Nomenclature*. 2. The proposed Rules and their rationale. *Zoosystema*, 28 (1), 165–258.
- Dubois, A. (2006b) Naming taxa from cladograms: a cautionary tale. *Molecular Phylogenetics & Evolution*, 42, 317–330.
<http://dx.doi.org/10.1016/j.ympev.2006.06.007>
- Dubois, A. (2006c) Editorial. *Alytes* as a forum. *Alytes*, 24 (1–4), 1–5.
- Dubois, A. (2007) Naming taxa from cladograms: some confusions, misleading statements, and necessary clarifications. *Cladistics*, 23, 390–402.
<http://dx.doi.org/10.1111/j.1096-0031.2007.00151.x>
- Dubois, A. (2008a) Zoological nomenclature: some urgent needs and problems. In: *Future trends of taxonomy*, EDIT Symposium, Carvoeiro (Portugal), 21–23 January 2008, 15–18.
- Dubois, A. (2008b) Identifying some major problems and their possible solutions. In: *Future trends of taxonomy*, EDIT Symposium, Carvoeiro (Portugal), 21–23 January 2008, 38–42.
- Dubois, A. (2008c) A partial but radical solution to the problem of nomenclatural taxonomic inflation and synonymy load. *Biological Journal of the Linnean Society*, 93, 857–863.
<http://dx.doi.org/10.1111/j.1095-8312.2007.00900.x>
- Dubois, A. (2008d) Should we care about taxonomic journals? A plea for *Biotaxa*, a new kind of online subscription package. *Newsletter (European Distributed Institute of Taxonomy)*, 9, 12–14.
- Dubois, A. (2010a) Contributions to the discussion on electronic publication IV. (6) Registration as a fourth floor of the nomenclatural process. *Bulletin of zoological Nomenclature*, 67 (1), 11–23.
- Dubois, A. (2010b) Retroactive changes should be introduced in the *Code* only with great care: problems related to the spellings of nomina. *Zootaxa*, 2426, 1–42.
- Dubois, A. (2010c) Nomenclatural rules in zoology as a potential threat against natural history museums. *Organisms, Diversity & Evolution*, 10, 81–90.
<http://dx.doi.org/10.1007/s13127-010-0015-1>
- Dubois, A. (2010d) Zoological nomenclature in the century of extinctions: priority vs. “usage”. *Organisms, Diversity & Evolution*, 10, 259–274.
<http://dx.doi.org/10.1007/s13127-010-0021-3>
- Dubois, A. (2010e) Editorial. Taxonomy in the century of extinctions: taxonomic gap, taxonomic impediment, taxonomic urgency. *Taprobanica*, 2 (1), 1–5.
<http://dx.doi.org/10.4038/tapro.v2i1.2702>
- Dubois, A. (2010f) Describing new species. *Taprobanica*, 2 (1), 6–24.
<http://dx.doi.org/10.4038/tapro.v2i1.2703>
- Dubois, A. (2011a) The *International Code of Zoological Nomenclature* must be drastically improved before it is too late. *Bionomina*, 2, 1–104.
<http://dx.doi.org/10.11646/bionomina.2.1.1>
- Dubois, A. (2011b) A zoologist's viewpoint on the *Draft BioCode*. *Bionomina*, 3, 45–62.
<http://dx.doi.org/10.11646/bionomina.3.1.4>
- Dubois, A. (2012a) The distinction between introduction of a new nomen and subsequent use of a previously introduced nomen in zoological nomenclature. *Bionomina*, 5, 57–80.
<http://dx.doi.org/10.11646/bionomina.5.1.2>
- Dubois, A. (2012b) New synonymies in the order Urodela Duméril, 1805 (Amphibia, Batrachia), with comments on the use of the formula “new taxon” to designate new nomina. *Zootaxa*, 3563, 65–68.
- Dubois, A. (2013a) Zygoidy, a new nomenclatural concept. *Bionomina*, 6, 1–25.

<http://dx.doi.org/10.11646/bionomina.6.1.1>

- Dubois, A. (2013b) Crossodactylodinae Fouquet, Blotto, Maronna, Verdade, Juncá, de Sá & Trefaut Rodrigues, 2013 is an invalid junior synonym of Paratelmatobiinae Ohler & Dubois, 2012 (Amphibia, Anura). *Zootaxa*, 3700 (3), 499–500.
<http://dx.doi.org/10.11646/zootaxa.3700.3.10>
- Dubois, A., Crombie, R. I. & Glaw, F. (2005) *Amphibia Mundi*. 1.2. Recent amphibians: generic and infrageneric taxonomic additions (1981–2002). *Alytes*, 23 (1–2), 25–69.
- Dubois, A., Minelli, A. & Zhang, Z.-Q. (2011) Recommendations about nomenclature for papers submitted to *Zootaxa*. *Zootaxa*, 2943, 58–62.
- Dubois, A. & Nemésio, A. (2007) Does nomenclatural availability of nomina of new species or subspecies require the deposition of vouchers in collections? *Zootaxa*, 1409, 1–22.
- Dubois, A. & Ohler, A. (1995) Catalogue of names of frogs of the subgenus *Pelophylax* (Amphibia, Anura, genus *Rana*): a few additions and corrections. *Zoologica Polonica*, “1994”, 39 (3–4), 205–208.
- Dubois, A. & Ohler, A. (1997) Early scientific names of Amphibia Anura. I. Introduction. *Bulletin du Muséum national d’Histoire naturelle*, (4), 18 (3–4), 297–320.
- Dubois, A., Ohler, A. & Biju, S.D. (2001) A new genus and species of Ranidae (Amphibia, Anura) from south-western India. *Alytes*, 19 (2–4), 53–79.
- Dubois, A. & Raffaëlli, J. (2009) A new ergotaxonomy of the family Salamandridae Goldfuss, 1820 (Amphibia, Urodela). *Alytes*, 26 (1–4), 1–85.
- Dubois, A. & Raffaëlli, J. (2012) A new ergotaxonomy of the order Urodela Duméril, 1805 (Amphibia, Batrachia). *Alytes*, 28 (3–4), 77–161.
- Ducroz, J.-F., Volobouev, V. & Granjon, L. (2001) An assessment of systematics of arvicanthine rodents using mitochondrial DNA sequences: evolutionary and biogeographical implications. *Journal of mammalian Evolution*, 8 (3), 173–206.
- Duellman, W. E. (1977) Liste der rezenten Amphibien und Reptilien. Hylidae, Centrolenidae, Pseudidae. *Das Tierreich*, 95, i–xix + 1–225.
- Durante, A. (2012) New genera and problematic species in African Lithosiinae (Lepidoptera, Arctiidae, Lymantriidae). *European Journal of Taxonomy*, 22, 1–16. Online document not preregistered in *ZooBank*.
<http://dx.doi.org/10.5852/ejt.2012.22>
- Ellis, J. (2002) Why impact factors don’t work for taxonomy. *Nature*, 415, 957.
<http://dx.doi.org/10.1038/415957a>
- Evans, H.C., Elliot, S.L. & Hughes, D.P. (2011) Hidden diversity behind the zombie-ant fungus *Ophiocordyceps unilateralis*: Four new species described from carpenter ants in Minas Gerais, Brazil. *PLoS One*, 6 (3) [e17024], 1–9. Online document available from: <http://www.plosone.org/article/fetchObject.action?uri=info%3Adoi%2F10.1371%2Fjournal.pone.0017024&representation=PDF> [Accessed 28 Oct. 2013].
<http://dx.doi.org/10.1371/journal.pone.0017024>
- Faivovich, J., Haddad, C. F. B., Garcia, P. C. A., Frost, D. R., Campbell, J. A. & Wheeler, W. C. (2005) Systematic review of the frog family Hylidae, with special reference to Hylinae: phylogenetic analysis and taxonomic revision. *Bulletin of the American Museum of natural History*, 294, 1–240.
[http://dx.doi.org/10.1206/0003-0090\(2005\)294\[0001:srotff\]2.0.co;2](http://dx.doi.org/10.1206/0003-0090(2005)294[0001:srotff]2.0.co;2)
- Fisher, B.L. & Smith, M.A. (2008) A revision of Malagasy species of *Anochetus* Mayr and *Odontomachus* Latreille (Hymenoptera: Formicidae). *PLoS One*, 3 (5) [e1787], 1–23 + online supporting information (Appendices S1–S2). Online document available from: <http://www.plosone.org/article/fetchObject.action?uri=info%3Adoi%2F10.1371%2Fjournal.pone.0001787&representation=PDF> [Accessed 28 Oct. 2013].
<http://dx.doi.org/10.1371/journal.pone.0001787>
- Fontaine, B., van Achtenberg, K., Alonso-Zarazaga, M.A., Araujo, R., Asche, M., Aspöck, H., Aspöck, U., Audisio, P., Aukema, B., Bailly, N., Balsamo, M., Bank, R.A., Belfiore, C., Bogdanowicz, W., Boxshall, G., Burckhardt, D., Chylarecki, P., Deharveng, L., Dubois, A., Enghoff, H., Fochetti, R., Fontaine, C., Gargominy, O., Gomez Lopez, M.S., Goujet, D., Harvey, M.S., Heller, K.-G., van Helsdingen, P., Hoch, H., De Jong, Y., Karsholt, O., Los, W., Magowski, W., Massard, J.A., McInnes, S.J., Mendes, L.F., Mey, E., Michelsen, V., Minelli, A., Nieto Nafria, J.M., van Nieuwerkerken, E.J., Pape, T., De Prins, W., Ramos, M., Ricci, C., Roselaar, C., Rota, E., Segers, H., Timm, T., van Tol, J. & Bouchet, P. (2012) New species in the Old World: Europe as a frontier in biodiversity exploration, a test bed for 21st century taxonomy. *PLoS One*, 7 (5) [e36881], 1–7 + online supporting information (Figure S1). Online document available from: <http://www.plosone.org/article/fetchObject.action?uri=info%3Adoi%2F10.1371%2Fjournal.pone.0036881&representation=PDF> [Accessed 28 Oct. 2013].
<http://dx.doi.org/10.1371/journal.pone.0036881>
- Franzen, J.L., Gingerich, P.D., Habersetzer, J., Hurum, J.H., von Koenigswald, W. & Smith, B.H. (2009) Complete primate skeleton from the Middle Eocene of Messel in Germany: morphology and paleobiology. *PLoS One*, 4 (5) [e5723], 1–27 + online supporting information (Figures S1–S7, Appendix S1). Online document available from: <http://www.plosone.org/article/fetchObject.action?uri=info%3Adoi%2F10.1371%2Fjournal.pone.0005723&representation=PDF> [Accessed 28 Oct. 2013].
<http://dx.doi.org/10.1371/journal.pone.0005723>
- Freeman, M.A., Kasper, J.M. & Kristmundsson, Á. (2013) [27 February] *Nucleospora cyclopteri* n. sp., an intranuclear microsporidian infecting wild lumpfish, *Cyclopterus lumpus* L., in Icelandic waters. *Parasites & Vectors*, 6 (49), 1–13. Online publication preregistered in *ZooBank*, available from: <http://www.parasitesandvectors.com/content/pdf/1756-3305-6-49.pdf> [Accessed 28 Oct. 2013].
<http://dx.doi.org/10.1186/1756-3305-6-49>
- Freeman, M.A. & Shinn, A.P. (2011) [24 November] Myxosporean hyperparasites of gill monogeneans are basal to the

- Multivalvulida. *Parasites & Vectors*, 4 (220), 1–11 + 2 additional online files. Online document available from: <http://www.parasitesandvectors.com/content/pdf/1756-3305-4-220.pdf> [Accessed 28 Oct. 2013].
<http://dx.doi.org/10.1186/1756-3305-4-220>
- Freeman, M. A. & Sommerville, C. (2010) [27 November] *Desmozoön lepeophtherii* n. gen., n. sp., (Microsporidia: Enterocytozoonidae) infecting the salmon louse *Lepeophtheirus salmonis* (Copepoda: Caligidae). *Parasites & Vectors*, “2009”, 2 (58), 1–15. Online document available from: <http://www.parasitesandvectors.com/content/pdf/1756-3305-2-58.pdf> [Accessed 28 Oct. 2013].; facsimiles deposited in libraries on 15 January 2010.
<http://dx.doi.org/10.1186/1756-3305-2-58>
- Fregin, S., Haase, M., Olsson, U. & Alström, P. (2012) New insights into family relationships within the avian superfamily Sylvioidea (Passeriformes) based on seven molecular markers. *BMC evolutionary Biology*, 12 (157), 1–12 + 1 additional online file. Online publication preregistered in *ZooBank*, available from: <http://www.biomedcentral.com/content/pdf/1471-2148-12-157.pdf> [Accessed 28 Oct. 2013].
<http://dx.doi.org/10.1186/1471-2148-12-157>
- Frost, D.R. (1985) (Ed.) *Amphibian species of the world. A taxonomic and geographical reference* Allen Press, Inc. & The Association of Systematics Collections, Lawrence, Kansas, USA, v + 732 pp.
- Frost D.R., Grant, T., Faivovich, J., Bazin, R.H., Haas, A., Haddad, C.F.B., de Sá, R.O., Channing, A., Wilkinson, M., Donnellan, S.C., Raxworthy, C.J., Campbell, J.A., Blotto, B.L., Moler, P., Drewes, R.C., Nussbaum, R.A., Lynch, J.D., Green, D.M. & Wheeler, W.C. (2006) The amphibian tree of life. *Bulletin of the American Museum of natural History*, 297, 1–370.
[http://dx.doi.org/10.1206/0003-0090\(2006\)297\[0001:tatol\]2.0.co;2](http://dx.doi.org/10.1206/0003-0090(2006)297[0001:tatol]2.0.co;2)
- Funk, V.A., Hoch, P.C., Prather, L. A. & Wagner, W.L. (2005) The importance of vouchers. *Taxon*, 54, 127–129.
<http://dx.doi.org/10.2307/25065309>
- Gee, H. (2000) Online naming of species opens digital age for taxonomy. *Nature*, 408, 278.
- Gingerich, P.D., ul-Haq, M., von Koenigswald, W., Sanders, W.J., Smith, B.H. & S. Zalmout, I.S. (2009) New protocetid whale from the Middle Eocene of Pakistan: birth on land, precocial development, and sexual dimorphism. *PLoS One*, 4 (2) [e4366], 1–20. Available from: <http://www.plosone.org/article/fetchObject.action?uri=info%3Adoi%2F10.1371%2Fjournal.pone.0004366&representation=PDF> [Accessed 28 Oct. 2013].
<http://dx.doi.org/10.1371/journal.pone.0004366>
- Giraldo, N., Salazar, C., Jiggins, C.D., Bermingham, E. & Linares, M. (2008) Two sisters in the same dress: *Heliconius* cryptic species. *BMC evolutionary Biology*, 8 (324), 1–11 + 4 additional online files. Online document available from: <http://www.biomedcentral.com/content/pdf/1471-2148-8-324.pdf> [Accessed 28 Oct. 2013].
<http://dx.doi.org/10.1186/1471-2148-8-324>
- Glaw, F., Köhler, J., Townsend, T.M. & Vences, M. (2012) Rivalring the world’s smallest Reptiles: discovery of miniaturized and microendemic new species of leaf chamaeleons (*Brookesia*) from northern Madagascar. *PLoS One*, 7 (2) [e31314], 1–20 + online supporting information (Tables S1–S4, Figures S1–S5). Online publication preregistered in *ZooBank*, available from: <http://www.plosone.org/article/fetchObject.action?uri=info%3Adoi%2F10.1371%2Fjournal.pone.0031314&representation=PDF> [Accessed 28 Oct. 2013].
<http://dx.doi.org/10.1371/journal.pone.0031314>
- González-Oreja, J.A. (2008) *The encyclopedia of life vs. The brochure of life: exploring the relationships between the extinction of species and the inventory of life on earth*. *Zootaxa*, 1965, 61–68.
- Gould, T.H.P. (2009) A baker’s dozen of issues facing online academic journal start-ups. *Web Journal of Mass Communication Research*, 14. Online document available from: <http://www.scripps.ohiou.edu/wjmcr/vol14> [Accessed 28 Oct. 2013].
- Grant, T., Frost, D.R., Caldwell, J.P., Gagliardo, R., Haddad, C.F.B., Kok, P.J.R., Means, D.B., Noonan, B.P., Schargel, W.E. & Wheeler, W.C. (2006) Phylogenetic systematics of dart-poison frogs and their relatives (Amphibia: Athesphatanura: Dendrobatidae). *Bulletin of the American Museum of natural History*, 299, 1–262.
[http://dx.doi.org/10.1206/0003-0090\(2006\)299\[1:psodfa\]2.0.co;2](http://dx.doi.org/10.1206/0003-0090(2006)299[1:psodfa]2.0.co;2)
- Grohé, C., Morlo, M., Chaimanee, Y., Blondel, C., Coster, P., Valentin, X., Salem, M., Awad A. Bilal, A.A., Jaeger, J.-J. & Brunet, M. (2012) New Apterodontinae (Hyaenodontida) from the Eocene locality of Dur At-Talah (Libya): systematic, paleoecological and phylogenetical implications. *PLoS One*, 7 (11) [e49054], 1–19 + online supporting information (Figure S1, Table S1). Online publication preregistered in *ZooBank*, available from: <http://www.plosone.org/article/fetchObject.action?uri=info%3Adoi%2F10.1371%2Fjournal.pone.0049054&representation=PDF> [Accessed 28 Oct. 2013].
<http://dx.doi.org/10.1371/journal.pone.0049054>
- Gündüz, I., Jaarola, M., Tez, C., Yenyurt, C., Polly, P. D. & Searle, J. B. (2007a) Multigenic and morphometric differentiation of ground squirrels (*Spermophilus*, Scuriidae [sic], Rodentia) in Turkey, with a description of a new species. *Molecular Phylogenetics & Evolution*, 43, 916–935 + online supplementary data.
<http://dx.doi.org/10.1016/j.ympev.2007.02.021>
- Gündüz, I., Jaarola, M., Tez, C., Yenyurt, C., Polly, P. D. & Searle, J. B. (2007b) *Spermophilus torosensis* Özkurt et al., 2007 (Scuriidae, Rodentia) is a subjective synonym of *Spermophilus taurensis* Gündüz et al., 2007, a newly described ground squirrel from the Taurus Mountains of southern Turkey. *Zootaxa*, 1663, 67–68.
- Haug, J.T., Haug, C., Maas, A., Kutschera, V. & Waloszek, D. (2010) [21 September] Evolution of mantis shrimps (Stomatopoda, Malacostraca) in the light of new Mesozoic fossils. *BMC evolutionary Biology*, 10 (290), 1–17 + 3 additional online files. Online document available from: <http://www.biomedcentral.com/content/pdf/1471-2148-10-290.pdf> [Accessed 28 Oct. 2013].
<http://dx.doi.org/10.1186/1471-2148-10-290>
- Hawksworth, D.L. (Ed.) (2009) Registration of scientific names of plants, fungi, bacteria, cultivated plants, and animals: approaches and experiences across disciplines. *Bulletin of zoological Nomenclature*, 66 (2), 109–124.

- Herrmann, M., Mayer, W.E. & Sommer, R.J. (2006) [12 September] Sex, bugs and Haldane's rule: the nematode genus *Pristionchus* in the United States. *Frontiers in Zoology*, 3 (14), 1–15. Online document available from: <http://www.frontiersinzoology.com/content/pdf/1742-9994-3-14.pdf> [Accessed 28 Oct. 2013].
<http://dx.doi.org/10.1186/1742-9994-3-14>
- Holyński, R.B. (2003) Obligatory “peer-reviewing”: can cosmetics really help? *Antenna*, 27, 251–256.
- Hourcade, J.C., Laloë, F. & Spitz, E. (2010) *Longévité de l'information numérique: les données que nous voulons garder vont-elles s'effacer?*, EDP Sciences, Les Ulis, France.
- Hu, M.-J., Cox, K.D., Schnabel, G. & Luo C.-X. (2011) *Monilinia* species causing brown rot of peach in China. *PLoS One*, 6 (9) [e24990], 1–14 + online supporting information (Table S1). Online document available from: <http://www.plosone.org/article/ fetchObject.action?uri=info%3Adoi%2F10.1371%2Fjournal.pone.0024990&representation=PDF> [Accessed 28 Oct. 2013].
<http://dx.doi.org/10.1371/journal.pone.0024990>
- Inderbitzin, P., Bostock, R.M., Davis, R. M., Usami, T, Platt H.W. & Subbarao, K.V. (2011) Phylogenetics and taxonomy of the fungal vascular wilt pathogen *Verticillium*, with the descriptions of five new species. *PLoS One*, 6 (12) [e28341], 1–22 + online supporting information (Figures S1–S5, Table S1). Online document available from: <http://www.plosone.org/article/ fetchObject.action?uri=info%3Adoi%2F10.1371%2Fjournal.pone.0028341&representation=PDF> [Accessed 28 Oct. 2013].
<http://dx.doi.org/10.1371/journal.pone.0028341>
- Insera, R.N, Stanley, J.D., Troccoli, A., Chitambar, J. & Subbotin, S.A. (2013) Disregarding *ZooBank* registration results in the unavailability of *Hemicaloosia graminis* Zeng *et al.*, 2012 (Nematoda, Tylenchida) under the ICZN Code. *ZooKeys*, 309, 71–73.
<http://dx.doi.org/10.3897/zookeys.309.5532>
- Iversen, C., Lehner, A., Mullane, N., Bidlas, E., Cleenwerck, I., Marugg, J., Fanning, S., Stephan, R. & Joosten, H. (2007) [17 April] The taxonomy of *Enterobacter sakazakii*: proposal of a new genus *Cronobacter* gen. nov. and descriptions of *Cronobacter sakazakii* comb. nov., *Cronobacter sakazakii* subsp. *sakazakii*, comb. nov., *Cronobacter sakazakii* subsp. *malonaticus* subsp. nov., *Cronobacter turicensis* sp. nov., *Cronobacter mytjensii* sp. nov., *Cronobacter dublinensis* sp. nov. and *Cronobacter* genomospecies I. *BMC evolutionary Biology*, 7 (64), 1–11 + 1 additional online file. Online document available from: <http://www.biomedcentral.com/content/pdf/1471-2148-7-64.pdf> [Accessed 28 Oct. 2013].
<http://dx.doi.org/10.1186/1471-2148-7-64>
- Johnson, S.B., Won, Y.-J., Harvey, J.B.J. & Vrijenhoek, R.C. (2013) [24 January] A hybrid zone between *Bathymodiolus* mussel lineages from eastern Pacific hydrothermal vent. *BMC evolutionary Biology*, 13 (21), 1–18 + 4 additional online files. Online publication preregistered in *ZooBank*, available from: <http://www.biomedcentral.com/content/pdf/1471-2148-13-21.pdf> [Accessed 28 Oct. 2013].
<http://dx.doi.org/10.1186/1471-2148-13-21>
- Kadej, M. & Háva, J. (2013) [8 August] Key to species of the genus *Cryptorhopalum* (Coleoptera: Dermestidae) occurring in the Greater Antilles with description of six new species from Hispaniola. *Zoological Studies*, 52 (5), 1–15. Online document not preregistered in *ZooBank*, available from: <http://www.parasitesandvectors.com/content/pdf/1810-522X-52-5.pdf> [Accessed 28 Oct. 2013].
<http://dx.doi.org/10.1186/1810-522X-52-5>
- Klass, K.-D., Zompro, O., Kristensen, N.P. & Adis, J. (2002a) Mantophasmatodea: a new insect order with extant members in the Afrotropics. *Scienceexpress*, 18 April 2002, 1–3, 2 pl. Online document available from: <http://www.sciencexpress.org/18 April 2002/> [Accessed 28 Oct. 2013].
- Klass, K.-D., Zompro, O., Kristensen, N.P. & Adis, J. (2002b) Mantophasmatodea: a new insect order with extant members in the afrotropics. *Science*, 296 (5572), 1456–1458.
<http://dx.doi.org/10.1126/science.1069397>
- Knapp, S. (2010) Four new vining species of *Solanum* (dulcamaroid clade) from montane habitats in tropical America. *PLoS One*, 5 (5) [e10502], 1–8. Online document available from: <http://www.plosone.org/article/ fetchObject.action?uri=info%3Adoi%2F10.1371%2Fjournal.pone.0010502&representation=PDF> [Accessed 28 Oct. 2013].
<http://dx.doi.org/10.1371/journal.pone.0010502>
- Knapp, S., McNeill, J. & Turland, N.J. (2011) Changes to publication requirements made at the XVIII International Botanical Congress in Melbourne – what does e-publication mean for you? *BMC evolutionary Biology*, 11 (251), 1–4. Online document available from: <http://www.biomedcentral.com/content/pdf/1471-2148-11-251.pdf> [Accessed 28 Oct. 2013].
<http://dx.doi.org/10.1186/1471-2148-11-251>
- Krell, F.-T. (2009) *ZooBank* and the next edition of the Code – challenges and new developments in the 250th year of zoological nomenclature. *Aquatic Insects*, 31 (suppl. 1), 269–282.
<http://dx.doi.org/10.1080/01650420903083393>
- Krell, F.-T. (2012) Electronic publication of new animal names – An interview with Frank-T. Krell, Commissioner of the International Commission on Zoological Nomenclature and Chair of the ICZN *ZooBank* Committee. *BMC evolutionary Biology*, 12 (184), 1–4. Online document available from: <http://www.biomedcentral.com/content/pdf/1471-2148-12-184.pdf> [Accessed 28 Oct. 2013].
<http://dx.doi.org/10.1186/1471-2148-12-184>
- LaBarca, J.E. (2010) Image storage and permanence considerations in the long-term preservation of photographic images – update 2010. *Journal of Physics*, (Conference Series), 231, 012008.
<http://dx.doi.org/10.1088/1742-6596/231/1/012008>
- Lamsdell, J. C. & Selden, P. A. (2013) [10 May] Babes in the wood – a unique window into sea scorpion ontogeny. *BMC evolutionary Biology*, 13 (98), 1–46 + 1 additional online file. Online document available from: not preregistered in *ZooBank*, available from: <http://www.biomedcentral.com/content/pdf/1471-2148-13-98.pdf> [Accessed 28 Oct. 2013].
<http://dx.doi.org/10.1186/1471-2148-13-98>
- Le Conte, J. (1824) Description of a new species of *Siren*, with some observations on animals of similar nature. *Annals of the Lyceum*

- of natural History of New York, 1 (1), 52–58, pl. 4.
<http://dx.doi.org/10.1111/j.1749-6632.1824.tb00216.x>
- Le Conte, J. (1825) Remarks on the American species of the genera *Hyla* and *Rana*. *Annals of the Lyceum of natural History of New York*, 1 (2), 278–282.
<http://dx.doi.org/10.1111/j.1749-6632.1825.tb00012.x>
- Le Conte, J. (1828) Description of a new species of *Siren*. *Annals of the Lyceum of natural History of New York*, 2, 133–134, pl. 1.
<http://dx.doi.org/10.1111/j.1749-6632.1826.tb00242.x>
- Le Conte, J. (1830) Description of the species of North American tortoises. *Annals of the Lyceum of natural History of New York*, 3, 91–131.
<http://dx.doi.org/10.1111/j.1749-6632.1828.tb00090.x>
- Le Conte, J. (1854) Description of four new species of *Kinosternum*. *Proceedings of the Academy of natural Sciences of Philadelphia*, 7, 180–190.
- Le Conte, J. (1855) Descriptive catalogue of the Ranina of the United States. *Proceedings of the Academy of natural Sciences of Philadelphia*, 7, 423–431, pl. 5.
- Le Conte, J. (1860) Description of two new species of tortoises. *Proceedings of the Academy of natural Sciences of Philadelphia*, 11, 4–7.
- Lecompte, E., Aplin, K., Denys, C., Catzeflis, F., Chades, M. & Chevret, P. (2008) Phylogeny and biogeography of African Murinae based on mitochondrial and nuclear gene sequences, with a new tribal classification of the subfamily. *BMC evolutionary Biology*, 8 (199), 1–21 + 4 additional online files. Online document available from: <http://www.biomedcentral.com/content/pdf/1471-2148-8-199.pdf> [Accessed 28 Oct. 2013].
<http://dx.doi.org/10.1186/1471-2148-8-199>
- Lee, C.-F. & Bezděk, J. (2013) [10 September] The genus *Cneorane* Baly, 1865 from Taiwan (Coleoptera: Chrysomelidae: Galerucinae), with notes on sexual dimorphism and its life history. *Zoological Studies*, 52 (9), 1–14. Online document stated to be preregistered in *ZooBank* but absent on this application, available from: <http://www.zoologicalstudies.com/content/pdf/1810-522X-52-9.pdf> [Accessed 28 Oct. 2013].
<http://dx.doi.org/10.1186/1471-2148-8-199>
- Lima, L., Espinosa-Álvarez, O., Hamilton, P.B., Neves, L., Takata, C.S.A., Campaner, M., Attias, M., de Souza, W., Carnago, E.P. & Teixeira, M.M.G. (2013) [3 August] *Trypanosoma livingstonei*: a new species from African bats supports the bad seeding hypothesis for the *Trypanosoma cruzi* clade. *Parasites & Vectors*, 6 (221), 1–17. Online document stated to be preregistered in *ZooBank* but absent on this application, available from: <http://www.parasitesandvectors.com/content/pdf/1756-3305-6-221.pdf> [Accessed 28 Oct. 2013].
<http://dx.doi.org/10.1186/1756-3305-6-221>
- Lin, H.-C. & Hastings, P.A. (2013) [25 September] Phylogeny and biogeography of a shallow water fish clade (Teleostei: Blenniiformes). *BMC evolutionary Biology*, 13 (210), 1–18 + 4 additional online files. Online document not preregistered in *ZooBank*, available from: <http://www.biomedcentral.com/content/pdf/1471-2148-13-210.pdf> [Accessed 28 Oct. 2013].
<http://dx.doi.org/10.1186/1471-2148-13-210>
- Linnaeus, C. (1758) *Systema Naturae per regna tria naturae, secundum classes, ordines, genera, species, cum characteribus, differentiis, synonymis, locis*. Editio decima, reformata. Tomus I. Laurentii Salvii, Holmiae, iv + 824 pp.
<http://dx.doi.org/10.5962/bhl.title.68927>
- Liu, S.-Y. V., Ho, H.-C. H. & Dai, C.-F. (2013) [16 August] A new species of *Pomacentrus* (Actinopterygii: Pomacentridae) from Micronesia, with comments on its phylogenetic relationships. *Zoological Studies*, 52 (6), 1–8. Online document not preregistered in *ZooBank*, available from: <http://www.parasitesandvectors.com/content/pdf/1810-522X-52-6.pdf> [Accessed 28 Oct. 2013].
<http://dx.doi.org/10.1186/1810-522X-52-6>
- Liu, Z.-J., Chen, L.-J., Chen, S.-C., Cai, J., Tsai, W.-C., Hsiao, Y.-Y., Rao, W.-H., Ma, X.-Y. & Zhang, G.-Q. (2011) *Paraholcoglossum* and *Tsiorchis*, two new orchid genera established by molecular and morphological analyses of the *Holcoglossum* alliance. *PLoS One*, 6 (10) [e24864], 1–12 + online supporting information (Figures S1–S22). Available from: <http://www.plosone.org/article/doi/10.1371/journal.pone.0024864> [Accessed 28 Oct. 2013].
<http://dx.doi.org/10.1371/journal.pone.0024864>
- Livezey, B.C. (2010) Phylogenetics of modern shorebirds (Charadriiformes) based on phenotypic evidence: analysis and discussion. *Zoological Journal of the Linnean Society*, 160, 567–618.
<http://dx.doi.org/10.1111/j.1096-3642.2010.00635.x>
- Llewellyn, R.D., Pellack, L.J. & Shonrock, D.D. (2002) The use of electronic-only journals in scientific research. *Issues in Science and Technology Librarianship*, 32. Available from: <http://www.istl.org/02-summer/refereed.html> [Accessed 28 Oct. 2013].
- Löbl, I. (2009) Contributions to the discussion on electronic publication III. (4). *Bulletin of zoological Nomenclature*, 66 (4), 307–308.
- Löbl, I. & Leschen, R. A. B. (2005) Demography of coleopterists and their thoughts on DNA barcoding and the Phylocode, with commentary. *The Coleopterists Bulletin*, 59, 284–292.
<http://dx.doi.org/10.1649/850.1>
- Löbl, I. & Smetana, A. (Eds) (2011) *Catalogue of Palaearctic Coleoptera*, Volume 7, *Curculionoidea I*. Apollo Books, Stenstrup, 373 pp.
- Malm, T. & Johanson, K.A. (2011) A new classification of the long-horned caddisflies (Trichoptera: Leptoceridae) based on molecular data. *BMC evolutionary Biology*, 11 (10), 1–17 + 1 additional online file. Online document available from: <http://www.biomedcentral.com/content/pdf/1471-2148-11-10.pdf> [Accessed 28 Oct. 2013]; facsimiles deposited in libraries on unknown date.
<http://dx.doi.org/10.1186/1471-2148-11-10>
- Martel, A., Spitzen-van der Sluijs, A., Blooi, M., Bert, W., Ducatelle, R., Fisher, M.C., Woeltjes, A., Bosman, W., Chiers, K., Bossuyt,

- F. & Pasmans, F. (2013) *Batrachochytrium salamandrivorans* sp. nov. causes lethal chytridiomycosis in amphibians. *Proceedings of the national Academy of Sciences of the USA*, published online before print 3 September 2013, 1–5 + supporting information online. Online document not preregistered in *ZooBank*, available from: <http://www.pnas.org/content/early/2013/08/28/1307356110.full.pdf+html> [Accessed 28 Oct. 2013].
<http://dx.doi.org/10.1073/pnas.1307356110>
- Martín, C., Alonso-Zarazaga, M. A. & Sanchíz, B. (2012) Nomenclatural notes on living and fossil amphibians. *Graellsia*, 68 (1), 159–180.
<http://dx.doi.org/10.3989/graellsia.2012.v68.056>
- Martín, C. & Sanchíz, B. (2012) *Lisanfos KMS. Version 1.2*. Madrid, Museo Nacional de Ciencias Naturales (MNCN-CSI). Online document available from: <http://www.lisanfos.mncn.csic.es/> [Accessed 28 Oct. 2013].
- Martof, B.S. (1973) *Siren lacertina* Le Conte. *Catalogue of American Amphibians and Reptiles*, SSAR, 128.1–128.2.
- May, R.M. (2004) Tomorrow's taxonomy: collecting new species in the field will remain the rate-limiting step. *Philosophical Transactions of the royal Society of London*, (B), 359, 733–734.
<http://dx.doi.org/10.1098/rstb.2003.1455>
- Mayr, G. (2008) The phylogenetic affinities of the parrot taxa *Agapornis*, *Loriculus* and *Melopsittacus* (Aves: Psittaciformes): hypotarsal morphology supports the results of molecular analyses. *Emu*, 108, 23–27.
<http://dx.doi.org/10.1071/mu07059>
- Mayr, G. (2011) Metaves, Mirandornithes, Strisores and other novelties – a critical review of the higher-level phylogeny of neornithine birds. *Journal of zoological Systematics & evolutionary Research*, 49, 58–76.
<http://dx.doi.org/10.1111/j.1439-0469.2010.00586.x>
- McNeill, J., Barrie, F.R., Burdet, H.M., Demoulin, V., Hawksworth, D.L., Marhold, K., Nicolson, D.H., Prado, J., Silva, P.C., Skog, J. E., Wiersema, J.H. & Turland, N.J. (Eds) (2006) *International Code of Botanical Nomenclature (Vienna Code) Adopted by the Seventeenth International Botanical Congress, Vienna, Austria, July 2005*. Koeltz, Königstein, viii + 568 pp.
- McNeill, J., Barrie, F.R., Buck, W.R., Demoulin, V., Greuter, W., Hawksworth, D.L., Herendeen, P.S., Knapp, S., Marhold, K., Prado, J., Prud'homme van Reine, W.F., Smith, G.F., Wiersema, J.H. & Turland, N.J. (ed.) (2012) *International Code of nomenclature for algae, fungi and plants (Melbourne Code) adopted by the Eighteenth International Botanical Congress, Melbourne, Australia, July 2011*. Gantner Verlag, Ruggel, xxx + 240 pp.
- Melic, A. (2002) [April] Un nuevo orden de Insectos. *Boletín de la Sociedad entomológica aragonesa*, 30, 234–239.
- Melville, R.V. (1995) *Towards Stability in the Names of Animals*. International Trust for Zoological Nomenclature, London, xi + 92 pp.
- Michel, E., Nikolaeva, S., Dale-Skey, N. & Tracey, S. (ed.) (2009a) Contributions to the discussion on electronic publication. *Bulletin of zoological Nomenclature*, 66 (1), 4–19.
- Michel, E., Nikolaeva, S., Dale-Skey, N. & Tracey, S. (ed.) (2009b) Contributions to the discussion on electronic publication II. *Bulletin of zoological Nomenclature*, 66 (3), 205–224.
- Michel, E., Nikolaeva, S., Dale-Skey, N. & Tracey, S. (ed.) (2009c) Contributions to the discussion on electronic publication III. *Bulletin of zoological Nomenclature*, 66 (4), 301–311.
- Michel, E., Nikolaeva, S., Dale-Skey, N. & Tracey, S. (ed.) (2010a) Contributions to the discussion on electronic publication IV. *Bulletin of zoological Nomenclature*, 67 (1), 4–23.
- Michel, E., Nikolaeva, S., Tracey, S., Dale-Skey, N. & Baker, E. (ed.) (2010b) Contributions to the discussion on electronic publication V. *Bulletin of zoological Nomenclature*, 67 (3), 199–202.
- Mikulíček, P., Jandzik, D., Fritz, U., Schneider, C. & Široký, P. (2013) AFLP analysis shows high incongruence between genetic differentiation and morphology-based taxonomy in a widely distributed tortoise. *Biological Journal of the Linnean Society*, 108, 151–160 + 2 additional online files.
<http://dx.doi.org/10.1111/j.1095-8312.2012.01999.x>
- Minelli, A. (2013) Zoological nomenclature in the digital area. *Frontiers in Zoology*, 10 (4). Online document available from: <http://www.biomedcentral.com/content/pdf/1472-9994-10-450.pdf> [Accessed 28 Oct. 2013].
<http://dx.doi.org/10.1186/1472-9994-10-450>
- Morgan, J. (2009) Comments on the proposed conservation of usage of *Testudo gigantea* Schweigger, 1812 (currently *Geochelone (Aldabrachelys) gigantea*; Reptilia, Testudines). (27). *Bulletin of zoological Nomenclature*, 66 (3), 287.
- Moylan, E.C. (2011) Electronic revolution in plant taxonomy. *BMC evolutionary Biology*, 11 (250), 1–2. Online document available from: <http://www.biomedcentral.com/content/pdf/1471-2148-11-251.pdf> [Accessed 28 Oct. 2013].
<http://dx.doi.org/10.1186/1471-2148-11-251>
- Namba, L. (2011) Contributions to the discussion on electronic publication VII. Comments on the proposed amendment of the *International Code of Zoological Nomenclature*. *Bulletin of zoological Nomenclature*, 68 (2), 95–96.
- Nemésio, A. (2007) “Page priority” does not exist in the *Code*: *Neomegalotomus parvus* (Westwood, 1842) has precedence over *Neomegalotomus simplex* (Westwood, 1842) (Hemiptera, Heteroptera, Alydidae). *Zootaxa*, 1524, 57–59.
- Nemésio, A. (2009a) Orchid bees (Hymenoptera: Apidae) of the Brazilian Atlantic Forest. *Zootaxa*, 2041, 1–242.
- Nemésio, A. (2009b) Taxonomic notes on *Euglossa (Glossuopoda)* with a key to the known species (Hymenoptera: Apidae: Euglossina). *Zootaxa*, 2142, 45–56.
- Nemésio, A. & Dubois, A. (2012) The endings of specific nomina dedicated to persons should not be emended: nomenclatural issues in Phalangopsidae (Hexapoda: Grylloidea). *Zootaxa*, 3270, 67–68.
- Nemésio, A. & Melo, A. L. (2012) Nomenclatural issues in *Rhagovelia* Mayr (Hemiptera: Heteroptera: Gerromorpha: Veliidae). *Zootaxa*, 3230, 65–66.
- Nemésio, A. & Rasmussen, C. (2009) The rediscovery of Buffon's “Guarouba” or “Perriche jaune”: two senior synonyms of *Aratinga pintoi* Silveira, Lima & Höfling, 2005 (Aves: Psittaciformes). *Zootaxa*, 2013, 1–16.

- Ng, P.K.L. (1994) The citation of species names and the role of the author's name. *Raffles Bulletin of Zoology*, 42 (3), 509–513.
- Ohler, A. & Dubois, A. (2012) Validation of two familial nomina nuda of Amphibia Anura. *Alytes*, 28 (3–4), 162–167.
- Özkurt, Ş.Ö., Sözen, M., Yiğit, N., Kandemir, I., Çolak, R., Gharkheloo, M.M. & Çolak, E. (2007) Taxonomic status of the genus *Spermophilus* (Mammalia, Rodentia) in Turkey and Iran with description of a new species. *Zootaxa*, 1529, 1–15.
- Padial, J.M., Miralles, A., de la Riva, I. & Vences, M. (2010) The integrative future of taxonomy. *Frontiers in Zoology*, 7 (16), 1–14. Online document available from: <http://www.frontiersinzoology.com/content/pdf/1742-9994-7-16.pdf> [Accessed 28 Oct. 2013]. <http://dx.doi.org/10.1186/1742-9994-7-16>
- Paladini, G., Huyse, T. & Shinn, A.P. (2011) [9 June] *Gyrodactylus salinae* n. sp. (Platyhelminthes: Monogenea) infecting the south European toothcarp *Aphanius fasciatus* (Valenciennes) (Teleostei, Cyprinodontidae) from a hypersaline environment in Italy. *Parasites & Vectors*, 4 (100), 1–12. Online document available from: <http://www.parasitesandvectors.com/content/pdf/1756-3305-4-100.pdf> [Accessed 28 Oct. 2013]; facsimiles deposited in libraries on unknown date. <http://dx.doi.org/10.1186/1756-3305-4-100>
- Pearsall, J. (Ed.) (2001) *The new Oxford dictionary of English*. Oxford University Press, Oxford, xxi + 2152 pp.
- Perez-Ramos, E. & Saldana de la Riva, L. (2000) Una nueva especie de salamandra *Pseudoeurycea* (Amphibia: Caudata: Plethodontidae) de la región Amuzga, al sureste de Guerrero, Mexico. *Revista digital universitaria*, 1 (1). Online document available from: <http://www.revista.unam.mx/vol.1/art1/index.html> [Accessed 28 Oct. 2013].
- Perez-Ramos, E. & Saldana de la Riva, L. (2003) Nueva especie de salamandra del genero *Pseudoeurycea* (Amphibia: Caudata: Plethodontidae) de la región Amuzga, al sureste de Guerrero, Mexico. *Acta zoologica mexicana*, (n.s.), 89, 55–68.
- Poinar, G., Jr. (2008) [15 July] *Lutzomyia adiketis* sp. n. (Diptera: Phlebotomidae), a vector of *Paleoleishmania neotropicum* sp. n. (Kinetoplastida: Trypanosomatidae) in Dominican amber. *Parasites & Vectors*, 1 (22), 1–8. Online document available from: <http://www.parasitesandvectors.com/content/pdf/1756-3305-1-22.pdf> [Accessed 28 Oct. 2013]. <http://dx.doi.org/10.1186/1756-3305-1-22>
- Poinar, G., Jr. (2009) [28 April] Description of an early Cretaceous termite (Isoptera: Kalotermitidae) and its associated intestinal protozoa, with comments on their co-evolution. *Parasites & Vectors*, 2 (12), 1–12. Online document available from: <http://www.parasitesandvectors.com/content/pdf/1756-3305-2-12.pdf>; facsimiles deposited in libraries on 28 April 2009. <http://dx.doi.org/10.1186/1756-3305-2-12>
- Poinar, G., Jr. (2011) [7 December] *Vetufebrus ovatus* n. gen., n. sp. (Haemospororida: Plasmodiidae) vectored by a streblid bat fly (Diptera: Streblidae) in Dominican amber. *Parasites & Vectors*, 4 (229), 1–5. Online document available from: <http://www.parasitesandvectors.com/content/pdf/1756-3305-4-229.pdf> [Accessed 28 Oct. 2013]; facsimiles deposited in libraries on unknown date. <http://dx.doi.org/10.1186/1756-3305-4-229>
- Poinar, G., Jr. (2012) [1 February] *Halophilanema prolata* n. gen., n. sp. (Nematoda: Allantonematidae), a parasite of the intertidal bug, *Saldula laticollis* (Reuter) (Hemiptera: Saldidae) on the Oregon coast. *Parasites & Vectors*, 5 (24), 1–10. Online document not preregistered in *ZooBank*, available from: <http://www.parasitesandvectors.com/content/pdf/1756-3305-5-24.pdf> [Accessed 28 Oct. 2013]; facsimiles deposited in libraries on unknown date. <http://dx.doi.org/10.1186/1756-3305-5-24>
- Poinar, G., Jr. & Steenberg, T. (2012) [1 October] *Parasitylenchus bifurcatus* n. sp. (Tylenchida: Allantonematidae) parasitizing *Harmonia axyridis* (Coleoptera: Coccinellidae). *Parasites & Vectors*, 5 (218), 1–8. Online publication not preregistered in *ZooBank*, available from: <http://www.parasitesandvectors.com/content/pdf/1756-3305-5-218.pdf> [Accessed 28 Oct. 2013]; facsimiles deposited in libraries on unknown date. <http://dx.doi.org/10.1186/1756-3305-5-218>
- Polaszek, A. (Ed.) (2010) *Systema Naturae 250. The Linnaean Ark*. Taylor & Francis Group, CRC Press, Boca Raton, London & New York, xvi + 276 pp.
- Polly, P.D. (2013) Digital diversity: publication of new names is now completely electronic. *Palaeontologica electronica*, 16 (2) [1E], 1–11. Online document available from: <http://palaeo-electronica.org/content/2013/441-commentary-digital-diversity> [Accessed 28 Oct. 2013].
- Pyron, R.A., Burbrink, F.T. & Wiens, J.J. (2013) [29 April] A phylogeny and revised classification of Squamata, including 4161 species of lizards and snakes. *BMC evolutionary Biology*, 13 (93), 1–53 + 2 additional online files. Online document not preregistered in *ZooBank*, available from: <http://www.biomedcentral.com/content/pdf/1471-2148-13-93.pdf> [Accessed 28 Oct. 2013]. <http://dx.doi.org/10.1186/1471-2148-13-93>
- Rabi, M., Zhou, C.-F., Wings, O., Ge, S. & Joyce, W.G. (2013) [22 September] A new xinjiangchelyid turtle from the middle jurassic of Xinjiang, China and the evolution of the basiptyergoid process in Mesozoic turtles. *BMC evolutionary Biology*, 13 (203), 1–28 + 2 additional online files. Online document not preregistered in *ZooBank*, available from: <http://www.biomedcentral.com/content/pdf/1471-2148-13-203.pdf> [Accessed 28 Oct. 2013]. <http://dx.doi.org/10.1186/1471-2148-13-203>
- Razzetti, E. (2008) Taxonomic remarks on *Bufo lineatus* and *Bufo siculus*. In: Corti, C. (Ed.), *Herpetologia Sardiniae*, Societas Herpetologica Italica, Edizioni Belvedere, Latina, pp. 420–424.
- Reaka-Kudla, M.L., Wilson, D.E. & Wilson, E.O. (ed.) (1997) *Biodiversity II*. Joseph Henry Press, Washington, vii + 551 pp.
- Robinson, A. (2006) Open access: the view of a commercial publisher. *Journal of Thrombosis & Haemostasis*, 4, 1454–1460.
- Rödel, M.-O., Kosuch, J., Grafé, T.U., Boistel, R., Assemian, N.E., Kouamé, N.G., Tohé, B., Gourène, G., Perret, J.-L., Henle, K., Tafforeau, P., Pollet, N. & Veith, M. (2009) A new tree-frog genus and species from Ivory Coast, West Africa (Amphibia: Anura: Hyperoliidae). *Zootaxa*, 2044, 23–45.
- Rubinoff, D. & Haines, W.P. (2005) Web-spinning caterpillar stalks snails. *Science*, 309, 575 + online supporting material available

- from: <http://www.sciencemag.org/cgi/content/full/309/5734/575/DC1> [Accessed 28 Oct. 2013].
<http://dx.doi.org/10.1126/science.1110397>
- Rubinoff, D. & Haines, W.P. (2006) *Hyposmocona molluscivora* description. *Science*, 311, 1377.
<http://dx.doi.org/10.1126/science.311.5766.1377a>
- Rydin, C. & Friis, E.M. (2010) [17 June] A new Early Cretaceous relative of Gnetales: *Siphonospermum simplex* gen. et sp. nov. from the Yixian Formation of Northeast China. *BMC evolutionary Biology*, 10 (183), 1–6. Online document available from: <http://www.biomedcentral.com/content/pdf/1471-2148-10-183.pdf> [Accessed 28 Oct. 2013].
<http://dx.doi.org/10.1186/1471-2148-10-183>
- Ryvkin, A. B. (2012) New species and records of *Stenus* (*Nestus*) of the *canaliculatus* group, with the erection of a new species group (Insecta: Coleoptera: Staphylinidae: Steninae). *European Journal of Taxonomy*, 13, 1–62. Online document not preregistered in *ZooBank*
<http://dx.doi.org/10.5852/ejt.2012.13>
- Saberi, M.K. & Abedi, H. (2012) Accessibility and decay of web citations in five open access ISI journals. *Internet Research*, 22, 234–247.
<http://dx.doi.org/10.1108/10662241211214584>
- Sands, T. & Moylan, E.C. (2012) *Electronic revolution in zoological taxonomy*. Online document available from: <http://blogs.biomedcentral.com/bmcseriesblog/2012/09/19/electronic-revolution-in-zoological-taxonomy/> [Accessed 28 Oct. 2013].
- Santos, J. C., Coloma, L. A., Summers, K., Caldwell, J. P., Ree, R. & Cannatella, D. C. (2009) Amazonian amphibian diversity is primarily derived from late Miocene Andean lineages. *PLoS Biology*, 7 (3) (e1000056), 0448–0461 + online supporting information (Figures S1–S8, Tables S1–S14, Text S1). Online document available from: <http://www.plosbiology.org/article/doi/10.1371/journal.pbio.1000056> [Accessed 28 Oct. 2013].
<http://dx.doi.org/10.1371/journal.pbio.1000056>
- Sereno, P.C., Martinez, R.N., Wilson, J.A., Varrichio, D.J., Alcober, O.A. & Larsson, H.C.E. (2008) Evidence for avian intrathoracic air sacs in a new predatory dinosaur from Argentina. *PLoS One*, 3 (9) [e3303], 1–20. Online document available from: <http://www.plosone.org/article/doi/10.1371/journal.pone.0003303> [Accessed 28 Oct. 2013].
<http://dx.doi.org/10.1371/journal.pone.0003303>
- Sharaf, M.R. & Aldawood, A.S. (2012) Ants of the genus *Solenopsis* Westwood 1840 (Hymenoptera: Formicidae) in the Arabian Peninsula with description of a new species, *Solenopsis elhawagryi*. *PLoS One*, 7 (11) [e49485], 1–21. Online publication preregistered in *ZooBank*, available from: <http://www.plosone.org/article/doi/10.1371/journal.pone.0049485> [Accessed 28 Oct. 2013].
<http://dx.doi.org/10.1371/journal.pone.0049485>
- Shubert, E. (2012) Use and misuse of the Impact Factor. *Systematics & Biodiversity*, 10 (4), 391–394.
<http://dx.doi.org/10.1080/14772000.2012.753716>
- Sidorov, D. & Palatov, D. (2012) [27 September] Taxonomy of the spring dwelling amphipod *Synurella ambulans* (Crustacea: Crangonyctidae) in West Russia: with notes on its distribution and ecology. *European Journal of Taxonomy*, 23, 1–19. Online publication preregistered in *ZooBank*.
<http://dx.doi.org/10.5852/ejt.2012.23>
- Sneath, P.H.A. (1962) The construction of taxonomic groups. In: *Microbial classification, Symposia of the Society of Genetics & Microbiology*, Cambridge University Press, 12, 289–332.
- Sprick, P. & Stüben, P.E. (2012) Important note. In: *Weevil News, Curculio Institute*. Online document available from: <http://www.curci.de/weevilnews> [Accessed 29 Nov. 2012].
- Stein, M., Buss, G. E., Peel, J. S. & Harper, D. A. T. (2013) [11 May] *Arthroaspis* n. gen., a common element of the Sirius Passet Lagerstätte (Cambrian, North Greenland), sheds light on trilobite ancestry. *BMC evolutionary Biology*, 13 (99), 1–34 + 1 additional file. Online document not preregistered in *ZooBank*, available from: <http://www.parasitesandvectors.com/content/pdf/1471-2148-13-99.pdf> [Accessed 28 Oct. 2013].
<http://dx.doi.org/10.1186/1471-2148-13-99>
- Stöck, M., Sicilia, A., Belfiore, N.M., Buckley, D., Lo Brutto, S., Lo Valvo, M. & Arculeo, M. (2008) Post-Messinian evolutionary relationships across the Sicilian channel: mitochondrial and nuclear markers link a new green toad from Sicily to African relatives. *BMC evolutionary Biology*, 8 (56), 1–19 + 5 additional files. Online document available from: <http://www.biomedcentral.com/content/pdf/1471-2148-8-56.pdf> [Accessed 28 Oct. 2013]; facsimiles deposited in libraries on unknown date.
<http://dx.doi.org/10.1186/1471-2148-8-56>
- Tan, J., Wang, Y., Ren, D. & Yang, X. (2012) [16 December] New fossil species of ommatids (Coleoptera: Archostemata) from the Middle Mesozoic of China illuminating the phylogeny of Ommatidae. *BMC evolutionary Biology*, 12 (113), 1–19 + 3 additional files. Online document not preregistered in *ZooBank*, available from: <http://www.parasitesandvectors.com/content/pdf/1756-3305-4-229.pdf> [Accessed 28 Oct. 2013].
<http://dx.doi.org/10.1186/1471-2148-12-113>
- Tancoigne, E., Bole, C., Sigogneau, A. & Dubois, A. (2011) Insights from *Zootaxa* on potential trends in zoological taxonomic activity. *Frontiers in Zoology*, 8 (5), 1–13. Online document available from: <http://www.frontiersinzoology.com/content/pdf/1742-9994-8-5.pdf> [Accessed 28 Oct. 2013].
<http://dx.doi.org/10.1186/1742-9994-8-5>
- Tancoigne, E. & Dubois, A. (2013) Taxonomy: no decline, but inertia. *Cladistics*, 29 (5), 567–570.
<http://dx.doi.org/10.1111/cla.12019>

- Thompson, C.K., Botero, A., Wayne, A., Godfrey, S.S., Lymbery, A.J. & Thompson, R.C.A. (2013) [26 April] Morphological polymorphism of *Trypanosoma copemani* and description of the genetically diverse *T. vegrandis* sp. nov. from the critically endangered Australian potoroid, the brush-tailed bettong (*Bettongia penicillata* (Gray, 1837)). *Parasites & Vectors*, 6 (121), 1–13. Online document stated to be preregistered in *ZooBank* but absent on this application, available from: <http://www.parasitesandvectors.com/content/pdf/1756-3305-6-121.pdf> [Accessed 28 Oct. 2013]. <http://dx.doi.org/10.1186/1756-3305-6-121>
- Traversa, D. (2010) [25 March] Evidence for a new species of *Cryptosporidium* infecting tortoises: *Cryptosporidium ducismarci*. *Parasites & Vectors*, 3 (21), 1–4. Online document not preregistered in *ZooBank*, available from: <http://www.parasitesandvectors.com/content/pdf/1756-3305-3-21.pdf> [Accessed 28 Oct. 2013]; facsimiles deposited in libraries on unknown date. <http://dx.doi.org/10.1186/1756-3305-3-21>
- Valdecasas, A. G., Williams, D. & Wheeler, Q. D. (2008) “Integrative taxonomy” then and now: a response to Dayrat (2005). *Biological Journal of the Linnean Society*, 93, 211–216. <http://dx.doi.org/10.1111/j.1095-8312.2007.00919.x>
- Veith, M., Baumgart, A., Dubois, A., Ohler, A., Galán, P., Vieites, D. R., Nieto-Román, S. & Vences, M. (2012) Discordant patterns of nuclear and mitochondrial introgression in Iberian populations of the European common frog (*Rana temporaria*). *Journal of Heredity*, 103, 240–249 + online supplementary material (1–15). <http://dx.doi.org/10.1093/jhered/esr136>
- Vences, M., Glaw, F. & Böhme, W. (1999) A review of the genus *Mantella* (Anura, Ranidae, Mantellinae): taxonomy, distribution and conservation of Malagasy poison frogs. *Alytes*, 17, 3–72.
- Vences, M., Guayasamin, J.M., Miralles, A. & de la Riva, I. (2013) To name or not to name: criteria to promote economy of change in Linnaean classification schemes. *Zootaxa*, 3636 (2), 201–244. <http://dx.doi.org/10.11646/zootaxa.3636.2.1>
- Veronin, M. (2002) Where are they now? A case study of healthrelated web site attrition. *Journal of medical Internet Research*, 4, e10. <http://dx.doi.org/10.2196/jmir.4.2.e10>
- Vieites, D. R., Min, M.-S. & Wake, D. B. (2007) Rapid diversification and dispersal during periods of global warming by plethodontid salamanders. *Proceedings of the national Academy of Sciences of the USA*, 104 (50), 19903–19907. <http://dx.doi.org/10.1073/pnas.0705056104>
- Vilela, R. V., Machado, T., Ventura, K., Fagundes, V., de Silva, M. J. & Yonenaga-Yassuda, Y. (2009) The taxonomic status of the endangered thin-spined porcupine, *Chaetomys subspinosus* (Olfers, 1818), based on molecular and karyologic data. *BMC evolutionary Biology*, 9 (29), 1–17 + 1 online additional file. Online document available from: <http://www.biomedcentral.com/content/pdf/1471-2148-9-29.pdf> [Accessed 28 Oct. 2013]. <http://dx.doi.org/10.1186/1471-2148-9-29>
- Wang, X., Duan, S., Geng, B., Cui, J. & Yang Y. (2007) [7 February] *Schmeissneria*: A missing link to angiosperms? *BMC evolutionary Biology*, 7 (14), 1–13. Online document available from: <http://www.biomedcentral.com/content/pdf/1471-2148-7-14.pdf> [Accessed 28 Oct. 2013]. <http://dx.doi.org/10.1186/1471-2148-7-14>
- Welter-Schultes, F., Eikel, O., Feuerstein, V., Hörnschemeyer, T., Klug, R., Lutze, A., Tröster, G., Wieland, F., Willmann, R., Antezana Jerez, T., Baiocchi, D., Caldara, R., Núñez Cortés, C., Fenzan, W. J., Fery, H., Filmer, M., Gittenberger, E., Giusti, F., Horro González, J., Groh, K., Guerra, A., Hendrich, L., Jäch, M., Janssen, R., Jimenez Tenorio, M., Johanson, K. A., Kanase, Aruna A., Kenner, R. D., Koch, A., Lindner, N., Lorenz, F., Maehr, M. D., Manganelli, G., Martínez, S., Meregalli, M., Monteiro, A., Nielsen, S. N., de Oliveira, Á., Pearce, T. A., Pederzani, F., Petrov, P. N., Pola Perez, M., Poppe, G. T., Richling, I., Rolán, E., Sahlmann, B., Sama, G., Savage, J. M., Smetana, A., Stuardo, J., Sturm, C., Suárez Bustabad, M., Subai, P., Szekeres, M., Trigo, J. E., Tucker, J. K., van Vondel, B. J., Watts, C., Wiese, V. & von Wirth, V. (2009) Comment on the proposed amendment of articles of the *International Code of Zoological Nomenclature* to expand and refine methods of publication. *Bulletin of zoological Nomenclature*, 66 (3), 215–219.
- Wheeler, Q.D. (2004) Taxonomic triage and the poverty of phylogeny. *Philosophical Transactions of the royal Society of London*, (B), 359, 571–583. <http://dx.doi.org/10.1098/rstb.2003.1452>
- Wheeler, Q.D., Knapp, S., Stevenson, D.W., Stevenson, J., Blum, S.D., Boom, B.M., Borisy, G.G., Buizer, J.L., de Carvalho, M.R., Cibrian, A., Donoghue, M.J., Doyle, V., Gerson, E.M., Graham, C.H., Graves, P., Graves, S.J., Guralnick, R.P., Hamilton, A.L., Nanken, J., Law, W., Lipscomb, D.L., Lovejoy, T.E., Miller, H., Miller, S.J., Naeem, S., Novacek, M.J., Page, L.M., Platnick, N. I., Porter-Morgan, H., Raven, P. H., Solis, M. A., Valdecasas, A. G., Van der Leeuw, S., Vasco, A., Vermeulen, N., Vogel, J., Walls, R.L., Wilson, E.O. & Wooley, J.B. (2012) Mapping the biosphere: exploring species to understand the origin, organization and sustainability of biodiversity. *Systematics & Biodiversity*, 10 (1), 1–20. <http://dx.doi.org/10.1080/14772000.2012.665095>
- Wheeler, Q.D., Raven, P.H. & Wilson, E.O. (2004) Taxonomy: impediment or expedient? *Science*, 303, 285. <http://dx.doi.org/10.1126/science.303.5656.285>
- Wilson, E.O. (1985) The global biodiversity crisis: a challenge to science. *Issues in Science & Technology*, 2, 20–29.
- Wilson, E. O. (2004) Taxonomy as a fundamental discipline. *Philosophical Transactions of the royal Society of London*, (B), 359, 739. <http://dx.doi.org/10.1098/rstb.2003.1440>
- Wolters, H.E. (1975–1982) *Die Vogelarten der Erde. Eine systematische Liste mit Verbreitungsangaben sowie deutschen und englischen Namen. Part. 7*. Paul Parey, Hamburg, pp. 453–748.
- Wolters, H.E. (1983) *Die Vögel Europas im System der Vögel. Eine Übersicht*. Biotropic Verlag, Baden-Baden, 70 pp.

- Yamaguchi, A., Yubuji, N. & Leander, B.S. (2012) [8 March] Morphostasis in a novel eukaryote illuminates the evolutionary transition from phagotrophy to phototrophy: description of *Rapaza viridis* n. gen. et sp. (Euglenozoa, Euglenida). *BMC evolutionary Biology*, 12 (29), 1–16 + 2 additional files. Online document not preregistered in *ZooBank*, available from: <http://www.biomedcentral.com/content/pdf/1471-2148-12-29.pdf> [Accessed 28 Oct. 2013]; facsimiles deposited in libraries on unknown date.
<http://dx.doi.org/10.1186/1471-2148-12-29>
- Yang, Q., Makarkin, V.N., Winterton, S.L., Khramov, A.V. & Ren, D. (2012) [18 September] A remarkable new family of Jurassic Insects (Neuroptera) with primitive wing venation and its phylogenetic position in Neuropterida. *PLoS One*, 7 (9) [e44762], 1–38 + online supporting information (Tables S1–S3). Online publication preregistered in *ZooBank*, available from: <http://www.plosone.org/article/fetchObject.action?uri=info%3Adoi%2F10.1371%2Fjournal.pone.0044762&representation=PDF> [Accessed 28 Oct. 2013].
<http://dx.doi.org/10.1371/journal.pone.0044762>
- Yoon, G.H., Al-Jufaili, S., Freeman, M.A., Bron, J.E., Paladini, G. & Shinn, A.P. (2013) [7 June] *Omanicotyle heterospina* n. gen. et n. comb. (Monogenea: Microcotylidae) from the gills of *Argyrops spinifer* (Forsskål) (Teleostei: Sparidae) from the Sea of Oman. *Parasites & Vectors*, 6 (170), 1–12. Online publication preregistered in *ZooBank*, available from: <http://www.parasitesandvectors.com/content/pdf/1756-3305-6-170.pdf> [Accessed 28 Oct. 2013].
<http://dx.doi.org/10.1186/1756-3305-6-170>
- Zaldívar-Riverón, A., Shaw, M. R., Sáez, A. G., Mori, M., Belokoblyskij, S. A., Shaw, S. R. & Quicke, D. L. J. (2008) Evolution of the parasitic wasp subfamily Rogadinae (Braconidae): phylogeny and evolution of lepidopteran host ranges and mummy characteristics. *BMC evolutionary Biology*, 8 (329), 1–20 + 5 additional files. Online document available from: <http://www.biomedcentral.com/content/pdf/1471-2148-8-329.pdf> [Accessed 28 Oct. 2013].
<http://dx.doi.org/10.1186/1471-2148-8-329>
- Zauner, H. (2009) Evolving e-taxonomy. *BMC evolutionary Biology*, 9 (141), 1–2. Online document available from: <http://www.biomedcentral.com/content/pdf/1471-2148-9-141.pdf> [Accessed 28 Oct. 2013].
<http://dx.doi.org/10.1186/1471-2148-9-141>
- Zeng, Y., Ye, W., Tredway, L., Martin, S. & Martin, M. (2012) [June] Description of *Hemicaloosia graminis* n. sp. (Nematoda: Caloosidae) associated with turfgrasses in North and South Carolina, USA. *Journal of Nematology*, 44, 134–141. Online document not preregistered in *ZooBank*, available from: <http://www.ncbi.nlm.nih.gov/pmc/articles/PMC3578464/pdf/134.pdf> [Accessed 28 Oct. 2013].
- Zhang, Z.-Q. (2011a) Describing unexplored biodiversity: *Zootaxa* in the International Year of Biodiversity. *Zootaxa*, 2768, 1–4.
- Zhang, Z.-Q. (2011b) Accelerating biodiversity descriptions and transforming taxonomic publishing: the first decade of *Zootaxa*. *Zootaxa*, 2896, 1–7.
- Zhang, Z.-Q. (2012) A new era in zoological nomenclature and taxonomy: ICZN accepts e-publication and launches *ZooBank*. *Zootaxa*, 3450, 8.
- Zhao, J., Zhao, Y., Shih, C., Ren, D. & Wang, Y. (2010) [10 November] Transitional fossil earwigs – a missing link in Dermaptera evolution. *BMC evolutionary Biology*, 9 (141), 1–10 + 3 additional files. Online document available from: <http://www.biomedcentral.com/content/pdf/1471-2148-10-344.pdf> [Accessed 28 Oct. 2013]; facsimiles deposited in libraries on unknown date.
<http://dx.doi.org/10.1186/1471-2148-10-344>