

## Scientific publications included in the SCI

Daversa DR, Monsalve-Carcaño C, Carrascal LM, Bosch J, 2018. Seasonal migrations, body temperature fluctuations, and infection dynamics in adult amphibians. *PeerJ* 6,e4698

Fisher MC, Ghosh P, Shelton JMG, Bates K, Brookes L, Wierzbicki C, Rosa GM, Aanensen DM, Alvarado-Rybak M, Bataille A, Berger L, Böll S, Bosch J, Clare FC, Courtois E, Crottini A, Cunningham AA, Doherty-Bone TM, Gebresenbet F, Gower DJ, Höglund J, Jenkinson TS, Kosch TA, James TY, Lambertini C, Laurila A, Lin CF, Loyau A, Martel A, Meurling S, Miaud C, Minting P, Ndriantsoa S, Pasmans F, Rakotonanahary T, Rabemananjara FCE, Ribeiro LP, Schmeller DS, Schmidt BR, Skerratt L, Smith F, Soto-Azat C, Tessa G, Toledo LF, Valenzuela-Sánchez A, Verster R, Vörös J, Waldman B, Webb RJ, Weldon C, Wombwell E, Zamudio KR, Longcore J, Garner TWJ, 2018. Development and worldwide use of a protocol for the non-lethal isolation of chytrids from amphibians. *Scientific Reports* 8,7772

O'Hanlon SJ, Rieux A, Farrer RA, Rosa GM, Waldman B, Bataille A, Kosch TA, Murray K, Brankovics B, Fumagalli M, Martin MD, Wales N, Alvarado-Rybak M, Bates KA, Berger L, Böll S, Brookes L, Clare FC, Courtois EA, Cunningham AA, Doherty-Bone TM, Ghosh P, Gower DJ, Hintz WE, Höglund J, Jenkinson TS, Lin CF, Laurila A, Loyau A, Martel A, Meurling S, Miaud C, Minting P, Pasmans F, Schmeller D, Schmidt BR, Shelton JMG, Skerratt LF, Smith F, Soto-Azat C, Spagnoletti M, Tessa G, Toledo LF, Valenzuela-Sánchez A, Verster R, Vörös J, Webb RJ, Wierzbicki C, Wombwell E, Zamudio KR, Aanensen DM, James TY, Gilbert MTP, Weldon C, Bosch J, Balloux F, Garner TWJ, Fisher MC, 2018. Recent Asian origin of chytrid fungi causing global amphibian declines. *Science* 360,621–627

Bosch J, Fernández-Beaskoetxea S, Garner TWJ, Carrascal LM, 2018. Long-term monitoring of an amphibian community after a climate change- and infectious disease-driven species extirpation. *Global Change Biology* 24,2622-2632

Daversa D, Manica A, Bosch J, Jolles J, Garner TWJ, 2018. Routine habitat switching alters the likelihood and persistence of infection with a pathogenic parasite. *Functional Ecology* 32,1262-1270

Navarro-Lozano A, Sánchez-Domene D, Rossa-Feres DC, Bosch J, Sawaya RJ, 2018. Are oral deformities in tadpoles accurate indicators of anuran chytridiomycosis? *PLoS ONE* 13,e0190955

Kieran AB, Clare FC, O'Hanlon S, Bosch J, Brookes L, Hopkins K, McLaughlin E, Daniel O, Garner TWJ, Fisher MC, Harrison XA, 2018. Bacterial community structure linked to enzootic versus epizootic dynamics across montane outbreaks of amphibian chytridiomycosis. *Nature Communications* 9,693

Kearns PJ, Fischer S, Fernández-Beaskoetxea S, Gabor CR, Bosch J, Bowen JL, Tlustý M, Douglas C, 2017. Fight fungi with fungi: antifungal properties of the amphibian mycobiome. *Frontiers in Microbiology* 8,2494

Fernández-Loras A, Fernández-Beaskoetxea S, Arriero E, Fisher MC, Bosch J, 2017. Early exposure to *Batrachochytrium dendrobatidis* causes profound immunosuppression in amphibians. *European Journal of Wildlife Research* 63,99

Gabor C, Forsburg Z, Vörös J, Serrano-Laguna C, Bosch J, 2017. Differences in chytridiomycosis infection costs between two amphibian species from Central Europe. *Amphibia-Reptilia* 38,250-256

Palomar G, Vörös J, Bosch J, 2017. Tracking the introduction history of *Ichthyosaura alpestris* in a protected area of Central Spain. *Conservation Genetics* 18,867–876

- Rosa GM, Sabino-Pinto J, Laurentino TG, Martel A, Pasmans F, Rebelo R, Griffiths RA, Stöhr AC, Marschang RE, Price SJ, Garner TWJ, Bosch J, 2017. Impact of asynchronous emergence of two lethal pathogens on amphibian assemblages. *Scientific Reports* 7,43260
- Garner TWJ, Schmidt BR, Martel A, Pasmans F, Muths E, Cunningham AA, Weldon C, Fisher MC, Bosch J, 2016. Mitigating amphibian chytridiomycosis in nature. *Philosophical Transactions of the Royal Society B*, 20160207
- Clare FC, Halder JB, Daniel O, Bielby J, Semenov MA, Jombart T, Loyau A, Schmeller DS, Cunningham AA, Rowcliffe M, Garner TWJ, Bosch J, Fisher MC, 2016. Climate forcing of an emerging pathogenic fungus across a montane multihost community. *Philosophical Transactions of the Royal Society B*, 20150454
- Palomar G, Bosch J, Cano JM, 2016. Heritability of *Batrachochytrium dendrobatidis* burden and its genetic correlation with development time in a population of Common toad (*Bufo spinosus*). *Evolution* 70, 2346-2356
- Hite JL, Bosch J, Fernández-Beaskoetxea S, Medina D, Hall SR, 2016. Joint effects of habitat, zooplankton, host stage structure, and diversity on amphibian chytrid. *Proceedings of the Royal Society B* 283, 20160832
- Polo-Cavia N, Boyero L, Martín-Beyer B, Barmuta LA, Bosch J, 2017. Joint effects of rising temperature and the presence of introduced predatory fish on montane amphibian populations. *Animal Conservation* 20,128–134
- Martín-Torrijos L, Sandoval-Sierra JV, Muñoz J, Diéguez-Uribeondo J, Bosch J, Guayasamin JM, 2016. Rainbow trout (*Oncorhynchus mykiss*) threaten Andean amphibians. *Neotropical Biodiversity* 2, 26-36
- Fernández-Beaskoetxea S, Bosch J, Bielby J, 2016. Heterogeneity in infection and transmission of a multi-host pathogen within a community of amphibians. *Diseases of Aquatic Organisms* 118, 11-20
- Bosch J, Sánchez-Tomé E, Fernández-Loras A, Oliver JA, Fisher MC, Garner TWJ, 2015. Successful elimination of a lethal wildlife infectious disease in nature. *Biology Letters* 11, 20150874
- Medina D, Garner TWJ, Carrascal LM, Bosch J, 2015. Delayed metamorphosis of amphibian larvae facilitates *Batrachochytrium dendrobatidis* transmission and persistence. *Diseases of Aquatic Organisms* 117, 85-92
- Penna M, Velásquez NA, Bosch J, 2015. Dissimilarities in auditory tuning in midwife toads of the genus *Alytes* (Amphibia: Anura). *Biological Journal of the Linnean Society* 119, 1227-1237
- Gabor CR, Fisher MC, Bosch J, 2015. Elevated corticosterone levels and changes in amphibian behavior are associated with *Batrachochytrium dendrobatidis* (Bd) infection and Bd lineage. *PLoS ONE* 10, e0122685
- Fernández-Beaskoetxea S, Carrascal LM, Fernández-Loras A, Fisher MC, Bosch J, 2015. Short term minimum water temperatures determine levels of infection by the amphibian chytrid fungus in *Alytes obstetricans* tadpoles. *PLoS ONE* 10, e0120237
- Bresciano JC, Salvador CA, Rojas M, Paz y Miño C, Parody-Merino AM, Bosch J, Woodhams DC, 2015. Symbiotic bacteria resisting *Batrachochytrium dendrobatidis* in Ecuador: implications for amphibian ecology. *EcoHealth* 12, 310-319

- Solís R, Penna M, De la Riva I, Fisher MC, Bosch J, 2015. Presence of *Batrachochytrium dendrobatidis* in anurans of highlands of the northern Andes of Chile. *Herpetological Journal* 25, 55-59
- Albert EM, Fernández-Beaskoetxea S, Godoy JA, Tobler U, Schmidt BR, Bosch J, 2015. Genetic management of an amphibian population after a chytridiomycosis outbreak. *Conservation Genetics* 16, 103-111
- Martel A, Blooi M, Adriaensen C, Van Rooij P, Beukema W, Fisher MC, Farrer RA, Schmidt BR, Tobler U, Goka K, Lips KR, Muletz C, Zamudio K, Bosch J, Lötters S, Wombwell E, Garner TWJ, Spitzen-van der Sluijs A, Salvidio S, Ducatelle R, Nishikawa K, Nguyen TT, Van Bocxlaer I, Bossuyt F, Pasmans F, 2014. Recent introduction of a chytrid fungus endangers Western Palearctic salamanders. *Science* 346, 630-631
- Price SJ, Garner TWJ, Nichols RA, Balloux F, Ayres C, Mora-Cabello de Alba A, Bosch J, 2014. Collapse of amphibian communities due to an introduced ranavirus. *Current Biology* 24, 2586-2591
- Bosch J, Fernández-Beaskoetxea S, Scherer RD, Amburgey SM, Muths E, 2014. Demography of Common Toads after local extirpation of co-occurring Midwife Toads. *Amphibia-Reptilia* 35, 293-303
- García-Roa R, Sunyer J, Fernández-Loras A, Bosch J, 2014. First record of *Batrachochytrium dendrobatidis* in Nicaragua. *Herpetological Journal* 24, 65-68
- Vörös J, Bosch J, Dán A, Hartel T, 2013. First record of *Batrachochytrium dendrobatidis* on amphibians in Romania. *North-Western Journal of Zoology* 9, 446-449
- Obón E, Carbonell F, Valbuena-Ureña E, Alonso M, Larios R, Fernández-Beaskoetxea S, Fisher MC, Bosch J, 2013. Chytridiomycosis surveillance in the critically endangered Montseny Brook Newt, *Calotriton arnoldi*, Northeastern Spain. *Herpetological Journal* 23, 237-240
- Muths E, Scherer RD, Bosch J, 2013. Evidence for plasticity in the frequency of skipped breeding opportunities in common toads. *Population Ecology* 55, 535-544
- Bosch J, García-Alonso D, Fernández-Beaskoetxea S, Fisher MC, Garner TW, 2013. Evidence for the introduction of lethal chytridiomycosis affecting wild Betic midwife toads (*Alytes dickhilleni*). *EcoHealth* 10, 82-89
- Gabor C, Fries J, Bosch J, Davis D, 2013. A non-invasive stress assay using water-borne hormones in amphibians. *Amphibia-Reptilia* 34, 151-162
- Doddington BJ, Bosch J, Oliver JA, Grassly NC, García G, Benedikt RS, Garner TWJ, Fisher MC, 2013. Context-dependent amphibian host population response to an invading pathogen. *Ecology* 98, 1795-1804
- Gabor CR, Fisher MC, Bosch J, 2013. A non-invasive stress assay shows that chytridiomycosis infected tadpole populations have elevated corticosterone levels. *PLoS ONE* 8, e56054
- Rosa GM, Anza I, Moreira PL, Conde J, Martins F, Fisher MC, Bosch J, 2013. Evidence of chytrid-mediated population declines in common midwife toad in Serra da Estrela, Portugal. *Animal Conservation* 16, 306-315
- Daversa DR, Muths E, Bosch J, 2012. Terrestrial movement patterns of the Common Toad (*Bufo bufo*) in Central Spain reveal habitat of conservation importance. *Journal of Herpetology* 46, 658-664

- Boyero L, Rincón PA, Bosch J, 2012. Contrasting behavioural responses of grazing mayflies and detritivorous caddisflies to predatory fish. *Marine and Freshwater Research* 63, 9-16
- Farrer RA, Weinert LA, Bielby J, Garner TWJ, Balloux F, Clare F, Bosch J, Cunningham A, Weldon C, du Preez LH, Anderson L, Kosakovsky-Pond SL, Shahar-Golan R, Henk D, Fisher MC, 2011. Multiple emergences of genetically diverse amphibian-infecting chytrids include a globalized hypervirulent recombinant lineage. *Proceedings of the National Academy of Sciences of the United States of America* 108, 18732-18736
- Ortíz-Santaliestra ME, Fisher MC, Fernández-Beaskoetxea S, Fernández-Benítez MJ, Bosch J, 2011. Ambient ultraviolet B radiation decreases the prevalence of infection by *Batrachochytrium dendrobatidis* in two amphibian species. *Conservation Biology* 25, 975-982
- Woodhams DC, Bosch J, Briggs ChJ, Cashins S, Davis LR, Lauer A, Muths E, Puschendorf R, Schmidt BR, Sheafor B, Voyles J, 2011. Mitigating amphibian disease: strategies to maintain wild populations. *Frontiers in Zoology* 8, 8
- Márquez R, Bosch J, Eekhout X, 2010. Intensity of female preference for call source level in midwife toads *Alytes cisternasii* and *A. obstetricans*. *Behaviour* 147, 1185-1199
- Lötters S, Kielgast J, Bielby J, Schmidtlein S, Bosch J, Veith M, Walker SF, Fisher MC, Rödder D, 2010. The link between rapid enigmatic amphibian decline and the globally emerging chytrid fungus. *EcoHealth* 6, 358-372
- Walker SF, Bosch J, Gomez V, Garner TWJ, Cunningham AA, Schmeller DS, Ninyerola M, Henk D, Ginestet C, Arthur CP, Fisher MF, 2010. Factors driving pathogenicity versus prevalence of amphibian panzootic chytridiomycosis in Iberia. *Ecology Letters* 13, 372-382
- Solís R, Lobos G, Walker SF, Fisher MC, Bosch J, 2010. Presence of *Batrachochytrium dendrobatidis* in feral populations of *Xenopus laevis* in Chile. *Biological Invasions* 12, 1641-1646
- Rödder D, Kielgast J, Bielby J, Schmidtlein S, Bosch J, Garner TWJ, Veith M, Walker SF, Fisher MC, Lötters S, 2009. Global amphibian extinction risk assessment for the panzootic chytrid fungus. *Diversity* 2009, 52-65
- Garner TWJ, Walker S, Bosch J, Leech S, Rowcliffe JM, Cunningham AA, Fisher MC, 2009. Life history trade-offs influence mortality associated with the amphibian pathogen *Batrachochytrium dendrobatidis*. *Oikos* 118, 783-791
- Fisher MC, Bosch J, Yin Z, Stead DA, Walker J, Selway L, Brown AJP, Walker LA, Gow NAR, Stajich JE, Garner TWJ, 2009. Proteomic and phenotypic profiling of the amphibian pathogen *Batrachochytrium dendrobatidis* shows that genotype is linked to virulence. *Molecular Ecology* 18, 415-429
- Walker SF, Bosch J, James TY, Litvintseva AP, Oliver JA, Piña S, García G, Rosa AG, Cunningham AA, Hole S, Griffiths R, Fisher MC, 2008. Invasive pathogens threaten species recovery programs. *Current Biology* 18, R853-R854
- Lötters S, Rödder D, Bielby J, Bosch J, Garner TWJ, Kielgast J, Schmidtlein S, Veith M, Walker S, Weldon C, Aansen DM, Fisher MC, 2008. Meeting the challenge of conserving Madagascar's megadiverse amphibians: addition of a risk-assessment for the chytrid fungus. *PLoS Biology* 6, e118
- Bosch J, Rincón PA, 2008. Chytridiomycosis-mediated expansion of *Bufo bufo* in a montane area of Central Spain: an indirect effect of the disease. *Diversity & Distributions* 14, 637-643

- Márquez R, Bosch J, Eekhout X, 2008. Intensity of female preference quantified through playback setpoints. Call frequency versus call rate in midwife toads. *Animal Behaviour* 75, 159-166
- De la Riva I, Reichle S, Bosch J, 2007. *Phrynopus saltator*. In: De la Riva I, Bolivian frogs of the genus *Phrynopus*, with the description of twelve new species. *Herpetological Monographs* 21, 241-277
- De la Riva I, Reichle S, Bosch J, 2007. *Phrynopus quimsacruzis*. In: De la Riva I, Bolivian frogs of the genus *Phrynopus*, with the description of twelve new species. *Herpetological Monographs* 21:241-277
- Walker SF, Baldi M, Jenkins D, Garner TWJ, Cunningham AA, Hyatt AD, Bosch J, Fisher MC, 2007. Environmental detection of *Batrachochytrium dendrobatidis* in a temperate climate. *Diseases of Aquatic Organisms* 77, 105-112
- Bosch J, Carrascal LM, Durán L, Walker S, Fisher MC, 2007. Climate change and outbreaks of amphibian chytridiomycosis in a montane area of Central Spain; is there a link? *Proceedings of the Royal Society B* 274, 253-260
- Márquez R, Bosch J, Penna M, 2006. Sound pressure level of advertisement calls of *Alytes cisternasii* and *Alytes obstetricans* (anura, discoglossidae). *Bioacoustics* 16, 27-37
- Bosch J, Boyero L, 2006. Female Iberian midwife toads (*Alytes cisternasii*) use call order to reach particular males in dense choruses. *Journal of Ethology* 24, 291-295
- Bosch J, Martínez-Solano I, 2006. Chytrid fungus infection related to unusual mortalities of *Salamandra salamandra* and *Bufo bufo* in the Peñalara Natural Park (Central Spain). *Oryx* 40, 84-89
- Bosch J, Rincón PA, Boyero L, Martínez-Solano I, 2006. Effects of introduced salmonids on a montane population of the Iberian frog. *Conservation Biology* 20, 180-189
- Penna M, Márquez R, Crespo E, Bosch J, 2006. Non-optimal propagation of advertisement calls of midwife toads in Iberian habitats. *Journal of the Acoustical Society of America* 119, 1227-1237
- Boyero L, Rincón, PA, Bosch J, 2006. Case selection by a limnephilid caddisfly (*Potamophylax latipennis* (Curtis)) in response to different predators. *Behavioral Ecology and Sociobiology* 59, 364-372
- Bosch J, Márquez R, 2005. Female preference intensities on different call characteristics and symmetry of preference above and below the mean in *Alytes cisternasii*. *Ethology* 111, 323-333
- Garner TWJ, Walker S, Bosch J, Hyatt AD, Cunningham AA, Fisher MC, 2005. Chytrid fungus in Europe. *Emerging Infectious Disease* 11, 1639-1641
- Bosch J, Boyero L, 2004. Reproductive stage and phonotactic preferences of female midwife toads (*Alytes cisternasii*). *Behavioral Ecology and Sociobiology* 55, 251-256
- Bosch J, Boyero L, Martínez-Solano I, 2004. Spatial scales for the management of amphibian populations. *Biodiversity and Conservation* 13, 409-420
- Bosch J, De la Riva I, 2004. Are frog calls modulated by the environment? An analysis with anuran species from Bolivia. *Canadian Journal of Zoology* 82, 880-888
- Boyero L, Bosch J, 2004. The effect of riffle-scale environmental variability on macroinvertebrate assemblages in a tropical stream. *Hydrobiologia* 524, 125-132

- Boyero L, Bosch J, 2004. Multiscale spatial variation of stone recolonization by macroinvertebrates in a Costa Rican stream. *Journal of Tropical Ecology* 20, 85-95
- De la Riva I, Bosch J, Márquez R, 2004. The advertisement calls of two New Guinean species of *Litoria* (Amphibia, Anura, Hylidae). *Amphibia-Reptilia* 25, 173-178
- Bosch J, Boyero L, 2003. Double stimulation of the inner ear organs of an anuran species with simple tonal advertisement calls (*Alytes cisternasii*). *Journal of Zoology* 260, 347-351
- Bosch J, Boyero L, 2003. Precopulatory behaviour and the evolutionary relationships of Discoglossidae. *Journal of Zoological Systematics and Evolutionary Research* 41:145-151
- Bosch J, Márquez R, Boyero L, 2003. Behavioural patterns, preference and motivation of female midwife toads during phonotaxis tests. *Journal of Ethology* 21, 61-66
- Bosch J, Martínez-Solano I, 2003. Factors influencing occupancy of breeding ponds in a montane amphibian assemblage. *Journal of Herpetology* 37, 410-413
- Bosch J, Wilczynski W, 2003. The auditory tuning of the Iberian midwife toad, *Alytes cisternasii*. *Herpetological Journal* 13, 53-57
- Márquez R, Bosch J, 2003. Temporal encoding of information in the advertisement call of the Iberian midwife toads (*Alytes cisternasii*). The importance of rise time. *Behaviour* 140, 113-123
- Martínez-Solano I, Bosch J, García-París M, 2003. Demographic trends and community stability in a montane amphibian assemblage. *Conservation Biology* 17, 238-244
- Bosch J, 2002. The functionality of female reciprocal calls in the Iberian midwife toad (*Alytes cisternasii*): female-female acoustic competition? *Naturwissenschaften* 89, 575-578
- Bosch J, 2002. Signal discrimination by female Iberian midwife toads (*Alytes cisternasii*). *Ethology, Ecology & Evolution* 14, 217-226
- Bosch J, Márquez R, 2002. Female preference function related to precedence effect in an amphibian anuran (*Alytes cisternasii*). Tests with non-overlapping calls. *Behavioral Ecology* 13, 149-153
- Bosch J, Ryan MJ, Rand AS, 2002. Response to variation in chuck frequency by male and female túngara frogs. *Herpetologica* 58, 95-103
- Boyero L, Bosch J, 2002. Spatial and temporal variation in macroinvertebrate drift in tropical streams. *Biotropica* 34, 567-574
- Bosch J, 2001. Female reciprocal calling in the Iberian midwife toad (*Alytes cisternasii*) varies with male call rate and dominant frequency: implications for sexual selection. *Naturwissenschaften* 88, 434-438
- Bosch J, Márquez R, 2001. Female courtship call of the Iberian midwife toad (*Alytes cisternasii*). *Journal of Herpetology* 35, 647-652
- Bosch J, Márquez R, 2001. Call timing in male-male acoustical interactions and female choice in the midwife toad *Alytes obstetricans*. *Copeia* 2001, 169-177

- Bosch J, Martínez-Solano I, García-París M, 2001. Evidence of a chytrid fungus infection involved in the decline of the common midwife toad (*Alytes obstetricans*) in protected areas of Central Spain. *Biological Conservation* 97, 331-337
- De la Riva I, Bosch J, Márquez R, 2001. Calls of three species of arthroleptid frogs from Río Muni, Equatorial Guinea. *African Zoology* 36, 107-110
- Bosch J, De la Riva I, Márquez R, 2000. Advertisement calls of seven species of hyperolid frogs, from Equatorial Guinea. *Amphibia-Reptilia* 21, 1-10
- Bosch J, Márquez R, 2000. Acoustical interference in the advertisement calls of the midwife toads (*Alytes obstetricans* and *A. cisternasii*). *Behaviour* 137, 249-263
- Bosch J, Márquez R, 2000. Tympanum fluctuating asymmetry, body size, and mate choice in female midwife toad (*Alytes obstetricans*). *Behaviour* 137, 1211-1222
- Bosch J, Rand AS, Ryan MJ, 2000. Acoustic competition in *Physalaemus pustulosus*, a differential response to calls of relative frequency. *Ethology* 106, 863-871
- Bosch J, Rand AS, Ryan MJ, 2000. Signal variation and call preferences for the whine frequency in the túngara frog, *Physalaemus pustulosus*. *Behavioral Ecology and Sociobiology* 49, 62-66
- Márquez R, De la Riva I, Bosch J, 2000. Advertisement calls of *Bufo camerunensis*, *Chiromantis rufescens*, *Dimorphognathus africanus* and *Phrynobatrachus auritus*, from Equatorial Guinea (central Africa). *Herpetological Journal* 10, 41-44
- Márquez R, Bosch J, 1997. Male advertisement call and female preference in sympatric and allopatric midwife toads (*Alytes obstetricans* and *Alytes cisternasii*). *Animal Behaviour* 54, 1333-1345
- Márquez R, Bosch J, 1997. Female preference in complex acoustical environments in the midwife toads *Alytes obstetricans* and *Alytes cisternasii*. *Behavioral Ecology* 8, 588-594
- Bosch J, De la Riva I, Márquez R, 1996. The calls of *Lysapsus limellus* and *Pseudis paradoxa* (Amphibia, Anura, Pseudidae). *Folia Zoologica* 45, 49-55
- Bosch J, Márquez R, 1996. Discriminant functions for sex identification in two midwife toads (*Alytes obstetricans* and *A. cisternasii*). *Herpetological Journal* 6, 105-109
- Bosch J, Márquez R, 1996. Acoustic competition in male midwife toads *Alytes obstetricans* and *A. cisternasii*: response to neighbour size and calling rate. Implications for female choice. *Ethology* 102, 841-855
- De la Riva I, Bosch J, Márquez R, 1996. The advertisement calls of two bolivian species of toads (Anura: Bufonidae: *Bufo*). *Herpetological Journal* 6, 59-61
- De la Riva I, Márquez R, Bosch J, 1996. The advertisement calls of three South American poison frogs (Amphibia: Anura: Dendrobatidae), with comments on their taxonomy and distribution. *Journal of Natural History* 30, 1413-1420
- De la Riva I, Márquez R, Bosch J, 1996. The advertisement calls of four microhylid frogs from Bolivia (Amphibia, Anura). *American Midland Naturalist* 136, 418-422
- Márquez R, Bosch J, 1996. Advertisement call of the midwife toad from the sierras béticas *Alytes dickhilleni* Arntzen & García-París, 1995 (Amphibia, Anura, Discoglossidae). *Herpetological Journal* 6, 9-14

- Márquez R, De la Riva I, Bosch J, 1996. The advertisement calls of three glass frogs from the Andean forests (Amphibia: Anura: Centrolenidae). *Herpetological Journal* 6, 97-99
- De la Riva I, Márquez R, Bosch J, 1995. Advertisement calls of eight Bolivian hylids. *Journal of Herpetology* 29, 113-118
- Márquez R, Bosch J, 1995. Advertisement calls of the midwife toads *Alytes* (Amphibia, Anura, Discoglossidae) in continental Spain. *Journal of Zoological Systematics and Evolutionary Research* 33, 185-192
- Márquez R, De la Riva I, Bosch J, 1995. Advertisement calls of Bolivian species of Leptodactylidae. *Journal of Zoology of London* 237, 313-336
- Márquez R, Olmo JL, Bosch J, 1995. Recurrent mass mortality of larval midwife toads *Alytes obstetricans* in a lake in the Pyrenean Mountains. *Herpetological Journal* 5, 287-289
- Sánchez-Herrainz MJ, Márquez R, Barbadillo LJ, Bosch J, 1995. Mating calls of three species of anurans from Borneo. *Herpetological Journal* 5, 293-297
- Bosch J, López-Bueis I, 1994. Comparative study of the dorsal pattern in *Salamandra salamandra bejarae* (Wolterstorff, 1934) and *S. s. almanzoris* (Müller & Hellmich, 1935). *Herpetological Journal* 4, 46-48
- De la Riva I, Márquez R, Bosch J, 1994. Advertisement calls of Bolivian species of *Scinax* (Amphibia, Anura, Hylidae). *Contributions to Zoology* 64, 75-85
- Márquez R, De la Riva I, Bosch J, 1993. Advertisement calls of Bolivian species of *Hyla*. *Biotropica* 25, 426-443