

Passerine birds 2004

(includes publications since the last list and some that were not included in the last list)

Compiled by P. Hansen

Absil, P., Pinxten, R., Balthazart, J. & Eens, M. (2003). Effect of age and testosterone on autumnal neurogenesis in male European starlings (*Sturnus vulgaris*). *Behav. Brain Res.*, **143**, 15-30.

Adret, P. (2004). Vocal imitation in blindfolded zebra finches (*Taeniopygia guttata*) is facilitated in the presence of a non-singing conspecific female. *J. Ethol.*, **22**, 29-35.

Adret, P. & Margoliash, D. (2002). Metabolic and neural activity in the song system nucleus robustus archistriatalis: Effect of age and gender. *J. Comp. Neurol.*, **454**, 409-423.

Agate, R. J., Grisham, W., Wade, J., Mann, S., Wingfield, J., Schanen, C., Palotie, A. & Arnold, A. P. (2003). Neural, not gonadal, origin of brain sex differences in a gynandromorphic finch. *Proc. Natl. Acad. Sci. USA*, **100**, 4873-4878.

Alvarez-Borda, B. & Nottebohm, F. (2002). Gonads and singing play separate, additive roles in new neuron recruitment in adult canary brain. *J. Neurosci.*, **22**, 8684-8690.

Amrhein, V., Korner, P. & Naguib, M. (2002). Nocturnal and diurnal singing activity in the nightingale: correlations with mating status and breeding cycle. *Anim. Behav.*, **64**, 939-944.

Amrhein, V., Kunc, H. P. & Naguib, M. (2004). Seasonal patterns of singing activity vary with time of day in the nightingale (*Luscinia megarhynchos*). *Auk*, **121**, 110-117.

Appeltants, D., Ball, G. F. & Balthazart, J. (2003). Song activation by testosterone is associated with an increased catecholaminergic innervation of the song control system in female canaries. *Neuroscience*, **121**, 801-814.

Appeltants, D., Del Negro, C. & Balthazart, J. (2002). Noradrenergic control of auditory information processing in female canaries. *Behav. Brain Res.*, **133**, 221-235.

Arnold, A. P. (2003). The gender of the voice within: the neural origin of sex differences in the brain. *Curr. Opin. Neurobiol.*, **13**, 759-764.

Aubin, T., Mathevon, N., da Silva, M. L., Vielliard, J. M. E. & Sebe, F. (2004). How a simple and stereotyped acoustic signal transmits individual information: the song of the white-browed warbler *Basileuterus leucoblepharus*. *An. Acad. Brasil. Cienc.*, **76**, 335-344.

Avelino, M. F. & Vielliard, J. M. E. (2004). Comparative analysis of the song of the rufous-collared sparrow *Zonotrichia capensis* (Emberizidae) between Campinas and Botucatu, Sao Paulo State, Brazil. *An. Acad. Brasil. Cienc.*, **76**, 345-349.

Baker, M. C. & Becker, A. M. (2002). Mobbing calls of black-capped chickadees: Effects of urgency on call production. *Wilson Bull.*, **114**, 510-516.

Baker, M. C. & Logue, D. M. (2003). Population differentiation in a complex bird sound: A comparison of three bioacoustical analysis procedures. *Ethology*, **109**, 223-242.

Baker, M. C., Baker, M. S. A. & Baker, E. M. (2003). Rapid evolution of a novel song and an increase in repertoire size in an island population of an Australian songbird. *Ibis*, **145**, 465-471.

Baker, M. C., Baker, M. S. A. & Gammon, D. E. (2003). Vocal ontogeny of nestling and fledgling black-capped chickadees *Poecile atricapilla* in natural populations. *Bioacoustics*, **13**, 265-296.

Ballentine, B., Badyaev, A. & Hill, G. E. (2003). Changes in song complexity correspond to periods of female

- fertility in blue grosbeaks (*Guiraca caerulea*). *Ethology*, **109**, 55-66.
- Ballentine, B., Hyman, J. & Nowicki, S. (2004). Vocal performance influences female response to male bird song: An experimental test. *Behav. Ecol.*, **15**, 163-168.
- Balsby, T. J. S. & Dabelsteen, T. (2002). Do males perceive differences in song repertoire size in whitethroats *Sylvia communis*? *Bioacoustics*, **13**, 93-94.
- Balsby, T. J. S. & Dabelsteen, T. (2003). Male calling between courtship sequences in whitethroats: a way to counter intrusions from neighbouring rivals. *Behav. Processes*, **63**, 149-157.
- Balsby, T. J. S. & Dabelsteen, T. (2003). Male singing behaviour and female presence in the territory in whitethroats *Sylvia communis*. *Acta Ethol.*, **5**, 81-88.
- Balsby, T. J. S., Dabelsteen, T. & Pedersen, S. B. (2003). Degradation of whitethroat vocalisations: implications for song flight and communication network activities. *Behaviour*, **140**, 695-719.
- Baptista, L. F. (2002). Regional dialects in birds and humans. *Bioacoustics*, **13**, 77.
- Beltman, J. B., Haccou, P. & ten Cate, C. (2003). The impact of learning foster species' song on the evolution of specialist avian brood parasitism. *Behav. Ecol.*, **14**, 917-923.
- Bensch, S., Helbig, A. J., Salomon, M. & Seibold, I. (2002). Amplified fragment length polymorphism analysis identifies hybrids between two subspecies of warblers. *Mol. Ecol.*, **11**, 473-481.
- Bloomfield, L. L., Sturdy, C. B., Phillmore, L. S. & Weisman, R. G. (2003). Open-ended categorization of chick-a-dee calls by black-capped chickadees (*Poecile atricapilla*). *J. Comp. Psychol.*, **117**, 290-301.
- Bottjer, S. W. (2002). Neural strategies for learning during sensitive periods of development. *J. Comp. Physiol., A.*, **188**, 917-928.
- Braaten, R. F. & Hulse, S. H. (1993). Perceptual organization of auditory temporal patterns in European starlings (*Sturnus vulgaris*). *Percept. Psychophys.*, **54**, 567-578.
- Brown, T. J. & Handford, P. (2003). Why birds sing at dawn: the role of consistent song transmission. *Ibis*, **145**, 120-129.
- Brumm, H. (2002). Sound radiation patterns in nightingale (*Luscinia megarhynchos*) songs. *J. Ornithol.*, **143**, 468-471.
- Brumm, H. (2004). The impact of environmental noise on song amplitude in a territorial bird. *J. Anim. Ecol.*, **73**, 434-440.
- Brumm, H. (2004). Causes and consequences of song amplitude adjustment in a territorial bird: a case study in nightingales. *An. Acad. Brasil. Cienc.*, **76**, 289-295.
- Brumm, H. & Todt, D. (2003). Facing the rival: Directional singing behaviour in nightingales. *Behaviour*, **140**, 43-53.
- Brumm, H. & Todt, D. (2004). Male-male vocal interactions and the adjustment of song amplitude in a territorial bird. *Anim. Behav.*, **67**, 281-286.
- Buchanan, K. L., Spencer, K. A., Goldsmith, A. R. & Catchpole, C. K. (2003). Song as an honest signal of past developmental stress in the European starling (*Sturnus vulgaris*). *Proc. R. Soc. Lond., B.*, **270**, 1149-1156.
- Burt, J. M., Bard, S. C., Campbell, S. E. & Beecher, M. D. (2002). Alternative forms of song matching in song sparrows. *Anim. Behav.*, **63**, 1143-1151.
- Charlier, T. D., Balthazart, J. & Ball, G. F. (2003). Sex differences in the distribution of the steroid receptor

- coactivator SRC-1 in the song control nuclei of male and female canaries. *Brain Res.*, **959**, 263-274.
- Chi, Z., Rauske, P. L. & Margoliash, D. (2003). Detection of spike patterns using pattern filtering, with applications to sleep replay in birdsong. *Neurocomputing*, **52-54**, 19-24.
- Chilton, G. (2003). Cultural evolution and song stereotypy in an isolated population of montane white-crowned sparrows (*Zonotrichia leucophrys oriantha*). *Bird Behav.*, **15**, 53-63.
- Christie, P. J., Mennill, D. J. & Ratcliffe, L. M. (2004). Pitch shifts and song structure indicate male quality in the dawn chorus of black-capped chickadees. *Behav. Ecol. Sociobiol.*, **55**, 341-348.
- Christie, P. J., Mennill, D. J. & Ratcliffe, L. M. (2004). Chickadee song structure is individually distinctive over long broadcast distances. *Behaviour*, **141**, 101-124.
- Collias, N. E., Barfield, R. J. & Tarvyd, E. S. (2002). Testosterone versus psychological castration in the expression of dominance, territoriality and breeding behavior by male village weavers (*Ploceus cucullatus*). *Behaviour*, **139**, 801-824.
- Cooper, B. G. & Goller, F. (2004). Multimodal signals: Enhancement and constraint of song motor patterns by visual display. *Science*, **303**, 544-546.
- Cynx, J. & Gell, C. (2004). Social mediation of vocal amplitude in a songbird, *Taeniopygia guttata*. *Anim. Behav.*, **67**, 451-455.
- Dabelsteen, T. (2004). Strategies that facilitate or counter eavesdropping on vocal interactions in songbirds. *An. Acad. Bras. Cienc.*, **76**, 274-278.
- Dabelsteen, T. & Mathevon, N. (2002). Diurnal variation in transmission caused degradation of blackcap *Sylvia atricapilla* song: implications for communication network activities. *Bioacoustics*, **13**, 87.
- Del Negro, C. & Edeline, J.-M. (2002). Sex and season influence the proportion of thin spike cells in the canary HVC. *Neuroreport*, **13**, 2005-2009.
- Desrochers, A., Belisle, M. & Bourque, J. (2002). Do mobbing calls affect the perception of predation risk by forest birds? *Anim. Behav.*, **64**, 709-714.
- Diefenbach, D. R., Brauning, D. W. & Mattice, J. A. (2003). Variability in grassland bird counts related to observer differences and species detection rates. *Auk*, **120**, 1168-1179.
- Dixon, N. (2002). Warblers are born to sing. *New Sci.*, **176**, 14.
- Draganoiu, T. I., Nagle, L. & Kreutzer, M. (2002). Directional female preference for an exaggerated male trait in canary (*Serinus canaria*) song. *Proc. R. Soc. Lond., B.*, **269**, 2525-2531.
- Drew, P. J. & Abbott, L. F. (2003). Model of song selectivity and sequence generation in area HVC of the songbird. *J. Neurophysiol.*, **89**, 2697-2706.
- Dussourd, N. & Ritchison, G. (2003). Singing behavior of male yellow-breasted chats: Repertoires, rates, reproductive success, and a comparison with other wood-warblers. *Wilson Bull.*, **115**, 52-57.
- Ellers, J. & Slabbekoorn, H. (2003). Song divergence and male dispersal among bird populations: a spatially explicit model testing the role of vocal learning. *Anim. Behav.*, **65**, 671-681.
- Enggist-Dueblin, P. & Pfister, U. (2002). Cultural transmission of vocalizations in ravens, *Corvus corax*. *Anim. Behav.*, **64**, 831-841.
- Fandino-Marino, H. & Vielliard, J. M. E. (2004). Complex communication signals: the case of the blue-black grassquit *Volatinia jacarina* (Aves, Emberizidae) song. Part I - A structural analysis. *An. Acad. Bras. Cienc.*, **76**, 325-334.

- Farnsworth, A., Gauthreaux, S. A., Jr. & van Blaricom, D. (2004). A comparison of nocturnal call counts of migrating birds and reflectivity measurements on Doppler radar. *J. Avian Biol.*, **35**, 365-369.
- Fedy, B. C., Norris, D. R. & Stutchbury, B. J. M. (2002). Do male hooded warblers guard their mates when their paternity is most at risk? *J. Field Ornithol.*, **73**, 420-426.
- Fee, M. S. (2002). Measurement of the linear and nonlinear mechanical properties of the oscine syrinx: Implications for function. *J. Comp. Physiol., A.*, **188**, 829-839.
- Ferguson, J. W. H., van Zyl, A. & Delport, K. (2002). Vocal mimicry in African *Cossypha* robin chats. *J. Ornithol.*, **143**, 319-330.
- Forstmeier, W., Kempenaers, B., Meyer, A. & Leisler, B. (2002). A novel song parameter correlates with extra-pair paternity and reflects male longevity. *Proc. R. Soc. Lond., B.*, **269**, 1479-1485.
- Freeberg, T. M., West, M. J., King, A. P., Duncan S. D. & Sengelaub, D. R. (2002). Cultures, genes, and neurons in the development of song and singing in brown-headed cowbirds (*Molothrus ater*). *J. Comp. Physiol., A.*, **188**, 993-1002.
- Funabiki, Y. & Konishi, M. (2003). Long memory in song learning by zebra finches. *J. Neurosci.*, **23**, 6928-6935.
- Fusani, L., Metzdorf, R., Hutchison, J. B. & Gahr, M. (2003). Aromatase inhibition affects testosterone-induced masculinization of song and the neural song system in female canaries. *J. Neurobiol.*, **54**, 370-379.
- Gammon, D. E., Baker, M. C. & Betancourt, L. (2002). Lack of discrimination of conspecific vocalizations by black-capped chickadees: tests on hand-raised juveniles. *Condor*, **104**, 854-858.
- Garamszegi, L. Z. & Møller, A. P. (2004). Extrapair paternity and the evolution of bird song. *Behav. Ecol.*, **15**, 508-519.
- Garamszegi, L. Z., Møller, A. P. & Erritzoe, J. (2003). The evolution of immune defense and song complexity in birds. *Evolution*, **57**, 905-912.
- Garamszegi, L. Z., Møller, A. P., Toeroek, J., Michl, G., Peczely, P. & Richard, M. (2004). Immune challenge mediates vocal communication in a passerine bird: an experiment. *Behav. Ecol.*, **15**, 148-157.
- Geberzahn, N. (2003). Is quantity of song type use in adult birds related to singing during development? *Behaviour*, **140**, 593-602.
- Geberzahn, N. & Hultsch, H. (2003). Long-time storage of song types in birds: evidence from interactive playbacks. *Proc. R. Soc. Lond., B.*, **270**, 1085-1090.
- Geberzahn, N. & Hultsch, H. (2004). Rules of song development and their use in vocal interactions by birds with large repertoires. *An. Acad. Brasil. Cienc.*, **76**, 209-218.
- Geberzahn, N., Hultsch, H. & Todt, D. (2002). Latent song type memories are accessible through auditory stimulation in a hand-reared songbird. *Anim. Behav.*, **64**, 783-790.
- Gentner, T. Q. & Margoliash, D. (2003). Neuronal populations and single cells representing learned auditory objects. *Nature*, **424**, 669-674.
- Gil, D. (2002). Repeatability and heritability of song repertoire characteristics in the willow warbler *Phylloscopus trochilus*. *Bioacoustics*, **13**, 100.
- Gil, D. & Slater, P. J. B. (2002). Song and age or the latitude of longitudinal studies. *Anim. Behav.*, **64**, F13-F14.
- Gill, S. A. & Sealy, S. G. (2003). Tests of two functions of alarm calls given by yellow warblers during nest

defence. *Can. J. Zool.*, **81**, 1685-1690.

Gill, S. A. & Sealy, S. G. (2004). Functional reference in an alarm signal given during nest defence: set calls of yellow warblers denote brood-parasitic brown-headed cowbirds. *Behav. Ecol. Sociobiol.*, **56**, 71-80.

Goldstein, M. H., King, A. P. & West, M. J. (2003). Social interaction shapes babbling: Testing parallels between birdsong and speech. *Proc. Natl. Acad. Sci. USA*, **100**, 8030-8035.

Goller, F. (1998). Vocal gymnastics and the bird brain. *Nature*, **395**, 11-12.

Goller, F. & Larsen, O. N. (2002). New perspectives on mechanisms of sound generation in songbirds. *J. Comp. Physiol., A.*, **188**, 841-850.

Gorissen, L. & Eens, M. (2004). Interactive communication between male and female great tits (*Parus major*) during the dawn chorus. *Auk*, **121**, 184-191.

Gorney-Labinger, E. & Rothstein, S. I. (2002). Brown-headed cowbirds in Eastern and Western North America show similar use of courtship songs in copulation contexts. *Condor*, **104**, 866-873.

Grace, J. A., Amin, N., Singh, N. C. & Theunissen, F. E. (2003). Selectivity for conspecific song in the zebra finch auditory forebrain. *J. Neurophysiol.*, **89**, 472-487.

Grafe, T. U., Bitz, J. H. & Wink, M. (2004). Song repertoire and duetting behaviour of the tropical boubou, *Laniarius aethiopicus*. *Anim. Behav.*, **68**, 181-191.

Grant, B. R. & Grant, P. R. (2002). Simulating secondary contact in allopatric speciation: an empirical test of premating isolating. *Biol. J. Linn. Soc.*, **76**, 545-556.

Greenberg, R. (2003). The use of nest departure calls for surveying swamp sparrows. *J. Field Ornithol.*, **74**, 12-16.

Griesser, M. & Ekman, J. (2004). Nepotistic alarm calling in the Siberian jay, *Perisoreus infaustus*. *Anim. Behav.*, **67**, 933-939.

Griessmann, B. & Naguib, M. (2002). Song sharing in neighboring and non-neighboring thrush nightingales (*Luscinia luscinia*) and its implications for communication. *Ethology*, **108**, 377-387.

Gros-Louis, J., White, D. J., King, A. P. & West, M. J. (2003). Female brown-headed cowbirds' (*Molothrus ater*) social assortment changes in response to male song: a potential source of public information. *Behav. Ecol. Sociobiol.*, **53**, 163-173.

Guettinger, H. R., Turner, T., Dobmeyer, S. & Nicolai, J. (2002). Melody learning and transposition in the bullfinch (*Pyrrhula pyrrhula*). *J. Ornithol.*, **143**, 303-318.

Haftorn, S. (2000). Contexts and possible functions of alarm calling in the willow tit, *Parus montanus*; the principle of 'better safe than sorry'. *Behaviour*, **137**, 437-449.

Hahnloser, R. H. R., Kozhevnikov, A. A. & Fee, M. S. (2002). An ultra-sparse code underlies the generation of neural sequences in a songbird. *Nature*, **419**, 65-70.

Hall, M. L. (2004). A review of hypotheses for the functions of avian duetting. *Behav. Ecol. Sociobiol.*, **55**, 415-430.

Halle, F., Gahr, M. & Kreuzer, M. (2003). Effects of unilateral lesions of HVC on song patterns of male domesticated canaries. *J. Neurobiol.*, **56**, 303-314.

Hamao, S. & Eda-Fujiwara, H. (2004). Vocal mimicry by the black-browed reed warbler *Acrocephalus bistrigiceps*: objective identification of mimetic sounds. *Ibis*, **146**, 61-68.

- Hansen, B. T. & Slagsvold, T. (2003). Rival imprinting: interspecifically cross-fostered tits defend their territories against heterospecific intruders. *Anim. Behav.*, **65**, 1117-1123.
- Hauber, M. E. (2003). Lower begging responsiveness of host versus parasitic brown-headed cowbird (*Molothrus ater*) nestlings is related to species identity but not to early social experience. *J. Comp. Psychol.*, **117**, 24-30.
- Heinrich, J., Singh, T., Nordeen, K. & Nordeen, E. (2003). NR2B downregulation in a forebrain region required for avian vocal learning is not sufficient to close the sensitive period for song learning. *Neurobiol. Learn. Mem.*, **79**, 99-108.
- Henning, F. W., Wolters, V. & Schottler, B. H. (2002). Canary island chiffchaff *Phylloscopus [collybita] canariensis* - vocal development during nestling period. *Bioacoustics*, **13**, 97.
- Hill, C. E. (1999). *Song and extra-pair mate choice in song sparrows*. Ph.D. thesis. University of Washington.
- Hofer, S. B. & Klump, G. M. (2003). Within- and across-channel processing in auditory masking: A physiological study in the songbird forebrain. *J. Neurosci.*, **23**, 5732-5739.
- Hultsch, H. & Todt, D. (2004). Approaches to the mechanisms of song memorization and singing provide evidence for a procedural memory. *An. Acad. Bras. Cienc.*, **76**, 219-230.
- Huntsman, B. O. & Ritchison, G. (2002). Use and possible functions of large song repertoires by male eastern bluebirds. *J. Field Ornithol.*, **73**, 372-378.
- Hutchinson, J. M. C. (2002). Two explanations of the dawn chorus compared: how monotonically changing light levels favour a short break from singing. *Anim. Behav.*, **64**, 527-539.
- Hyman, J. (2003). Countersinging as a signal of aggression in a territorial songbird. *Anim. Behav.*, **65**, 1179-1185.
- Hyman, J., Hughes, M., Searcy, W. A. & Nowicki, S. (2004). Individual variation in the strength of territory defense in male song sparrows: Correlates of age, territory tenure, and neighbor aggressiveness. *Behaviour*, **141**, 15-27.
- Ikebuchi, M., Futamatsu, M. & Okanoya, K. (2003). Sex differences in song perception in Bengalese finches measured by the cardiac response. *Anim. Behav.*, **65**, 123-130.
- Jimenez, I., Londono, G. A. & Cadena, C. D. (2003). Efficiency, bias, and consistency of visual and aural surveys of curassows (Cracidae) in tropical forests. *J. Field Ornithol.*, **74**, 210-216.
- Jones, A. L., Shriver, W. G., Bulgin, N. L., Lockwood, R. & Vickery, P. D. (2003). A probable grasshopper x savannah sparrow hybrid singing a song sparrow song. *Wilson Bull.*, **115**, 231-236.
- Kasumovic, M. M., Ratcliffe, L. M. & Boag, P. T. (2003). Song structure may differ between male and female least flycatchers. *Wilson Bull.*, **115**, 241-245.
- Kendra, S., Kelsey, R. & Hahn, T. P. (2004). Discrete variants of evening grosbeak flight calls. *Condor*, **106**, 161-165.
- King, A. P., West, M. J. & White, D. J. (2003). Female cowbird song perception: Evidence for plasticity of preference. *Ethology*, **109**, 865-878.
- Kipper, S., Mundry, R., Hultsch, H. & Todt, D. (2004). Long-term persistence of song performance rules in nightingales (*Luscinia megarhynchos*): a longitudinal field study on repertoire size and composition. *Behaviour*, **141**, 371-390.
- Kojima, S. & Aoki, K. (2003). Intrinsic and synaptic properties of the dorsomedial nucleus of the intercollicular complex, an area known to be involved in distance call production in Bengalese finches. *Brain Res.*, **966**, 84-94.

- Kompo, R. R., Theunissen, F. E. & Doupe, A. J. (2003). Propagation of correlated activity through multiple stages of a neural circuit. *J. Neurosci.*, **23**, 5750-5761.
- Krams, I. (2001). Perch selection by singing chaffinches: a better view of surroundings and the risk of predation. *Behav. Ecol.*, **12**, 295-300.
- Kumar, A. (2004). Acoustic communication in the red-vented bulbul *Pycnonotus cafer*. *An. Acad. Brasil. Cienc.*, **76**, 350-358.
- Lachlan, R. F. & Slater, P. J. B. (2003). Song learning by chaffinches: how accurate, and from where? *Anim. Behav.*, **65**, 957-969.
- Laiolo, P. & Rolando, A. (2003). Comparative analysis of the rattle calls in *Corvus* and *Nucifraga*: The effect of body size, bill size, and phylogeny. *Condor*, **105**, 139-145.
- Laiolo, P., Rolando, A., Delestrade, A. & De Sanctis, A. (2001). Geographic diversification in the call repertoire of the genus *Pyrrhocorax* (Aves, Corvidae). *Can. J. Zool.*, **79**, 1568-1576.
- Laiolo, P., Rolando, A., Delestrade, A. & De Sanctis, A. (2001). Geographical variation in the calls of the choughs. *Condor*, **103**, 287-297.
- Laje, R., Gardner, T. J. & Mindlin, G. B. (2002). Neuromuscular control of vocalizations in birdsong: A model. *Physical Review E*, **65**, 519211-519218.
- Lampe, H. M. & Espmark, Y. O. (2003). Mate choice in pied flycatchers *Ficedula hypoleuca*: can females use song to find high-quality males and territories? *Ibis*, **145** (online), E24-E33.
- Lampe, H. M., Dabelsteen, T., Larsen, O. N. & Pedersen, S. B. (2004). Degradation of song in a species using nesting holes: the pied flycatcher *Ficedula hypoleuca*. *An. Acad. Brasil. Cienc.*, **76**, 264-266.
- Langemann, U., Tavares, J. P., Peake, T. M. & McGregor, P. K. (2000). Response of great tits to escalating patterns of playback. *Behaviour*, **137**, 451-471.
- Larsen, O. N. (2004). Does the environment constrain avian sound localization? *An. Acad. Brasil. Cienc.*, **76**, 267-273.
- Larsen, O. N. & Goller, F. (2002). New views of sound generating structures in the bird syrinx. *Bioacoustics*, **13**, 83-84.
- Lecoq, M. & Catry, P. (2003). Diurnal tape-luring of wintering chiffchaffs results in samples with biased sex ratios. *J. Field Ornithol.*, **74**, 230-232.
- Leger, D. W. & Mountjoy, D. J. (2003). Geographic variation in song of the bright-rumped attila (Tyrannidae: *Attila spadiceus*): Implications for species status. *Auk*, **120**, 69-74.
- Leitao, A. & Riebel, K. (2003). Are good ornaments bad armaments? Male chaffinch perception of songs with varying flourish length. *Anim. Behav.*, **66**, 161-167.
- Leitao, A., van Dooren, T. J. M. & Riebel, K. (2004). Temporal variation in chaffinch *Fringilla coelebs* song: interrelations between the trill and flourish. *J. Avian Biol.*, **35**, 199-203.
- Leitner, S. & Catchpole, C. K. (2002). Female canaries that respond and discriminate more between male songs of different quality have a larger song control nucleus (HVC) in the brain. *J. Neurobiol.*, **52**, 294-301.
- Leitner, S., Nicholson, J., Leisler, B., DeVoogd, T. J. & Catchpole, C. K. (2002). Song and the song control pathway in the brain can develop independently of exposure to song in the sedge warbler. *Proc. R. Soc. Lond., B.*, **269**, 2519-2524.
- Leonard, M. L. & Horn, A. G. (2001). Dynamics of calling by tree swallow (*Tachyneta bicolor*) nestmates.

Behav. Ecol. Sociobiol., **50**, 430-435.

Leonard, M. L., Horn, A. G. & Parks, E. (2003). The role of posturing and calling in the begging display of nestling birds. *Behav. Ecol. Sociobiol.*, **54**, 188-193.

Liu, W.-C. (2004). The effect of neighbours and females on dawn and daytime singing behaviours by male chipping sparrows. *Anim. Behav.*, **68**, 39-44.

Lohr, B., Lauer, A., Newman, M. R. & Dooling, R. J. (2004). Hearing in the red-billed firefinch (*Lagonosticta senegala*) and the Spanish timbrado canary (*Serinus canaria*): The influence of natural and artificial selection on auditory abilities and vocal structure. *Bioacoustics*, **14**, 83-98.

Lohr, B., Wright, T. F. & Dooling, R. J. (2003). Detection and discrimination of natural calls in masking noise by birds: estimating the active space of a signal. *Anim. Behav.*, **65**, 763-777.

Lovell, S. F. & Lein, M. R. (2004). Neighbor-stranger discrimination by song in a suboscine bird, the alder flycatcher, *Empidonax alnorum*. *Behav. Ecol.*, **15**, 799-804.

Lucas, J. R., Freeberg, T. M., Krishnan, A. & Long, G. R. (2002). A comparative study of avian auditory brainstem responses: correlations with phylogeny and vocal complexity, and seasonal effects. *J. Comp. Physiol., A.*, **188**, 981-992.

Luo, M. & Perkel, D. J. (2002). Intrinsic and synaptic properties of neurons in an avian thalamic nucleus during song learning. *J. Neurophysiol.*, **88**, 1903-1914.

MacDougall-Shackleton, E. A., Derryberry, E. P. & Hahn, T. P. (2002). Nonlocal male mountain white-crowned sparrows have lower paternity and higher parasite loads than males singing local dialect. *Behav. Ecol.*, **13**, 682-689.

MacDougall-Shackleton, S. & Hulse, S. H. (1996). Concurrent absolute and relative pitch processing by European starlings (*Sturnus vulgaris*). *J. Comp. Psychol.*, **110**, 139-146.

MacGregor, N. A. & Cockburn, A. (2002). Sex differences in parental response to begging nestlings in superb fairy-wrens. *Anim. Behav.*, **63**, 923-932.

Maney, D. L., MacDougall-Shackleton, E. A., MacDougall-Shackleton, S. A., Ball, G. F. & Hahn, T. P. (2003). Immediate early gene response to hearing song correlates with receptive behavior and depends on dialect in a female songbird. *J. Comp. Physiol., A.*, **189**, 667-674.

Mann, N. I., Marshall-Ball, L. & Slater, P. J. B. (2003). The complex song duet of the plain wren. *Condor*, **105**, 672-682.

Margoliash, D. (2002). Evaluating theories of bird song learning: implications for future directions. *J. Comp. Physiol., A.*, **188**, 851-866.

Marler, P. (2000). Origins of music and speech: Insights from animals. In *The Origins of Music* (N. L. Wallin, B. Merker and S. Brown, eds.). The MIT Press; Cambridge, Mass., pp. 31-48.

Marler, P. (2004). Innateness and the instinct to learn. *An. Acad. Brasil. Cienc.*, **76**, 189-200.

Mathevon, N., Aubin, T., Dabelsteen, T. & Vielliard, J. M. E. (2004). Are communication activities shaped by environmental constraints in reverberating and absorbing forest habitats? *An. Acad. Brasil. Cienc.*, **76**, 259-263.

Matyjasiak, P. & Fuszara, M. (2002). Do black-capped warblers *Sylvia atricapilla* sing different songs during intra- and interspecific territorial contests? *Bioacoustics*, **13**, 99-100.

Maurer, G., Magrath, R. D., Leonard, M. L., Horn, A. G. & Donnelly, C. (2003). Begging to differ: scrub wren nestlings beg to alarm calls and vocalize when parents are absent. *Anim. Behav.*, **65**, 1045-1055.

- McCallum, A. (2002). Modelling interspecific differences in chickadee notes with a multiplicative AM model. *Bioacoustics*, **13**, 88-89.
- Mello, C. V. (2002). Mapping vocal communication pathways in birds with inducible gene expression. *J. Comp. Physiol., A.*, **188**, 943-959.
- Mello, C. V. (2004). Identification and analysis of vocal communication pathways in birds through inducible gene expression. *An. Acad. Brasil. Cienc.*, **76**, 243-246.
- Mennill, D. J. & Ratcliffe, L. M. (2004). Overlapping and matching in the song contests of black-capped chickadees. *Anim. Behav.*, **67**, 441-450.
- Mennill, D. J. & Ratcliffe, L. M. (2004). Do male black-capped chickadees eavesdrop on song contests? A multi-speaker playback experiment. *Behaviour*, **141**, 125-139.
- Mennill, D. J., Boag, P. T. & Ratcliffe, L. M. (2003). The reproductive choices of eavesdropping female black-capped chickadees, *Poecile atricapillus*. *Naturwissenschaften*, **90**, 577-582.
- Miller, G. (2003). Singing in the brain. *Science*, **299**, 646-648.
- Mooney, R., Rosen, M. J. & Sturdy, C. B. (2002). A bird's eye view: top down intracellular analyses of auditory selectivity for learned vocalizations. *J. Comp. Physiol., A.*, **188**, 879-895.
- Moore, I. T., Wada, H., Perfito, N., Busch, D. S., Hahn, T. P. & Wingfield, J. C. (2004). Territoriality and testosterone in an equatorial population of rufous-collared sparrows, *Zonotrichia capensis*. *Anim. Behav.*, **67**, 411-420.
- Mulder, R. A., Bishop, H., Cooper, M., Dennis, S., Koetsveld, M., Marshall, J., Saunders, B. L. & Langmore, N. E. (2003). Alternate functions for duet and solo songs in magpie-larks, *Grallina cyanoleuca*. *Aust. J. Zool.*, **51**, 25-30.
- Mundry, R. & Sommer, C. (2004). Tonal vocalizations in a noisy environment: an approach to their semi-automatic analysis and examples of its application. *An. Acad. Brasil. Cienc.*, **76**, 284-288.
- Murray, R. L., Stanton, T. P. & Emrick, V. R. (2004). Bachman's sparrows mimic the vocalizations of the common yellowthroat and the indigo bunting. *J. Field Ornithol.*, **75**, 51-52.
- Nagle, L., Kreutzer, M. & Vallet, E. (2002). Adult female canaries respond to male song by calling. *Ethology*, **108**, 463-472.
- Naguib, M., Mundry, R., Hultsch, H. & Todt, D. (2002). Responses to playback of whistle songs and normal songs in male nightingales: effects of song category, whistle pitch, and distance. *Behav. Ecol. Sociobiol.*, **52**, 216-223.
- Narins, P. M., Feng, A. S., Lin, W., Schnitzler, H.-U., Denzinger, A., Suthers, R. A. & Xu, C. (2004). Old World frog and bird vocalizations contain prominent ultrasonic harmonics. *J. Acoust. Soc. Am.*, **115**, 910-913.
- Nealen, P. M. & Schmidt, M. F. (2002). Comparative approaches to avian song system function: insights into auditory and motor processing. *J. Comp. Physiol., A.*, **188**, 929-941.
- Nelson, B. S. (2002). Duplex auditory distance assessment in a small passerine bird (*Pipilo erythrophthalmus*). *Behav. Ecol. Sociobiol.*, **53**, 42-50.
- Nelson, B. S. (2004). Dynamics of frequency and amplitude modulations in vocalizations produced by eastern towhees, *Pipilo erythrophthalmus*. *J. Acoust. Soc. Am.*, **115**, 1333-1344.
- Nelson, D. A. & Soha, J. A. (2004). Male and female white-crowned sparrows respond differently to geographic variation in song. *Behaviour*, **141**, 53-69.
- Nelson, D. A. & Soha, J. A. (2004). Perception of geographical variation in song by male Puget Sound white-

- crowned sparrows, *Zonotrichia leucophrys pugetensis*. *Anim. Behav.*, **68**, 395-405.
- Nemeth, E., Winkler, H. & Dabelsteen, T. (2001). Differential degradation of antbird songs in a Neotropical rainforest: Adaptation to perch height? *J. Acoust. Soc. Am.*, **110**, 3263-3274.
- Nixdorf-Bergweiler, B. E., Bindrich, A. & Frommolt, K.-H. (2002). Are introductory notes in zebra finch song genetically determined? *Bioacoustics*, **13**, 95.
- Nolan, P. M. & Hill, G. E. (2004). Female choice for song characteristics in the house finch. *Anim. Behav.*, **67**, 403-410.
- Nowicki, S., Searcy, W. A. & Peters, S. (2002). Quality of song learning affects female response to male bird song. *Proc. R. Soc. Lond., B.*, **269**, 1949-1954.
- Nowicki, S., Searcy, W. A. & Peters, S. (2002). Brain development, song learning and mate choice in birds: a review and experimental test of the "nutritional stress hypothesis". *J. Comp. Physiol., A.*, **188**, 1003-1014.
- Nowicki, S., Searcy, W. A., Krueger, T. & Hughes, M. (2002). Individual variation in response to simulated territorial challenge among territory-holding song sparrows. *J. Avian Biol.*, **33**, 253-259.
- O'Loughlen, A. L. & Rothstein, S. I. (2002). East and west coast female brown-headed cowbirds agree: both categories of male song are sexy. *Anim. Behav.*, **64**, 609-617.
- O'Loughlen, A. L. & Rothstein, S. I. (2002). Vocal development is correlated with an indicator of hatching date in brown-headed cowbirds. *Condor*, **104**, 761-771.
- O'Loughlen, A. L. & Rothstein, S. I. (2003). Female preference for the songs of older males and the maintenance of dialects in brown-headed cowbirds (*Molothrus ater*). *Behav. Ecol. Sociobiol.*, **53**, 102-109.
- O'Loughlen, A. L. & Rothstein, S. I. (2004). Divergent sexual responses to different categories of foreign courtship songs in female brown-headed cowbirds (*Molothrus ater*). *Auk*, **121**, 824-836.
- Osiejuk, T. S. & Kuczynski, L. (2003). Response to typical, shortened and mixed song variants in Eurasian treecreeper (*Certhia familiaris*). *Biologia (Bratislava)*, **58**, 985-989.
- Osiejuk, T. S. & Ratynska, K. (2003). Song repertoire and microgeographic variation in song type distribution in the corn bunting *Miliaria calandra* from Poland. *Folia Zool.*, **52**, 275-286.
- Osiejuk, T. S., Ratynska, K. & Cygan, J. P. (2004). Signal value of alternating and overlapping singing in the yellowhammer *Emberiza citrinella*. *J. Ethology*, **22**, 55-61.
- Osiejuk, T. S., Ratynska, K., Cygan, J. P. & Dale, S. (2003). Song structure and repertoire variation in ortolan bunting (*Emberiza hortulana* L.) from isolated Norwegian population. *Ann. Zool. Fennici*, **40**, 3-16.
- Osiejuk, T. S., Ratynska, K., Cygan, J. P. & Dale, S. (2003). Ortolan bunting *Emberiza hortulana* singing like yellowhammer *E. citrinella*. *Ornis Fennica*, **80**, 38-42.
- Otter, K. A., Stewart, I. R. K., McGregor, P. K., Terry, A. M. R., Dabelsteen, T. & Burke, T. (2001). Extra-pair paternity among great tits *Parus major* following manipulation of male signals. *J. Avian Biol.*, **32**, 338-344.
- Owen-Ashley, N. T., Schoech, S. J. & Mumme, R. L. (2002). Context-specific response of Florida scrub-jay pairs to northern mockingbird vocal mimicry. *Condor*, **104**, 858-866.
- Paeckert, M., Martens, J., Kosuch, J., Nazarenko, A. A. & Veith, M. (2003). Phylogenetic signal in the song of crests and kinglets (Aves: *Regulus*). *Evolution*, **57**, 616-629.
- Park, K. H. & Clayton, D. F. (2002). Influence of restraint and acute isolation on the selectivity of the adult zebra finch zenk gene response to acoustic stimuli. *Behav. Brain Res.*, **136**, 185-191.

- Pasteau, M., Nagle, L. & Kreutzer, M. (2004). Preferences and predispositions for intra-syllabic diversity in female canaries (*Serinus canaria*). *Behaviour*, **141**, 571-583.
- Payne, R. B. & Sorenson, M. D. (2004). Behavioral and genetic identification of a hybrid *Vidua*: Maternal origin and mate choice in a brood-parasitic finch. *Auk*, **121**, 156-161.
- Payne, R. B., Hustler, K., Stjernstedt, R., Sefc, K. M. & Sorenson, M. D. (2002). Behavioural and genetic evidence of a recent population switch to a novel host species in brood-parasitic indigobirds *Vidua chalybeata*. *Ibis*, **144**, 373-383.
- Payne, R. B., Parr, C. S. & Payne, L. L. (2003). Song mimicry, song dialects, and behavioural context of songs in brood-parasitic straw-tailed whydahs, *Vidua fischeri*. *Ostrich*, **74**, 87-96.
- Peake, T. M., Terry, A. M. R., McGregor, P. K. & Dabelsteen, T. (2002). Do great tits assess rivals by combining direct experience with information gathered by eavesdropping. *Proc. R. Soc. Lond., B.*, **269**, 1925-1929.
- Phillmore, L. S., Sturdy, C. B. & Weisman, R. G. (2003). Does reduced social contact affect discrimination of distance cues and individual vocalizations? *Anim. Behav.*, **65**, 911-922.
- Pinxten, R., De Ridder, E., Balthazart, J. & Eens, M. (2002). Context-dependent effects of castration and testosterone treatment on song in male European starlings. *Horm. Behav.*, **42**, 307-318.
- Platzen, D. & Magrath, R. D. (2004). Parental alarm calls suppress nestling vocalization. *Proc. R. Soc. Lond., B.*, **271**, 1271-1276.
- Price, J. J. & Lanyon, S. M. (2002). Reconstructing the evolution of complex bird song in the oropendolas. *Evolution*, **56**, 1514-1529.
- Price, J. J. & Lanyon, S. M. (2004). Patterns of song evolution and sexual selection in the oropendolas and caciques. *Behav. Ecol.*, **15**, 485-497.
- Price, J. J. & Lanyon, S. M. (2004). Song and molecular data identify congruent but novel affinities of the green oropendola (*Psarocolius viridis*). *Auk*, **121**, 224-229.
- Rajala, M., Raetti, O. & Suhonen, J. (2003). Age differences in the response of willow tits (*Parus montanus*) to conspecific alarm calls. *Ethology*, **109**, 501-511.
- Rasmussen, R. & Dabelsteen, T. (2002). Song repertoires and repertoire sharing in a local group of blackbirds. *Bioacoustics*, **13**, 63-76.
- Rauske, P. L., Shea, S. D. & Margoliash, D. (2003). State and neuronal class-dependent reconfiguration in the avian song system. *J. Neurophysiol.*, **89**, 1688-1701.
- Rheindt, F. E. (2003). The impact of roads on birds: Does song frequency play a role in determining susceptibility to noise pollution? *J. Ornithol.*, **144**, 295-306.
- Rich, T. D. (2002). The short song of Brewer's sparrow: Individual and geographic variation in southern Idaho. *West. N. Am. Nat.*, **62**, 288-299.
- Riebel, K. & Slater, P. J. B. (2003). Temporal variation in male chaffinch song depends on the singer and the song type. *Behaviour*, **140**, 269-288.
- Riebel, K. & Smallegange, I. M. (2003). Does zebra finch (*Taeniopygia guttata*) preference for the (familiar) father's song generalize to the songs of unfamiliar brothers. *J. Comp. Psychol.*, **117**, 61-66.
- Riters, L. V. & Teague, D. P. (2003). The volumes of song control nuclei, HVC and IMAN, relate to differential behavioral responses of female European starlings to male songs produced within and outside of the breeding season. *Brain Res.*, **978**, 91-98.

- Rogers, A. C., Ferguson, J. E., Harrington, H. M., McDowell, S., Miller, A. & Panagos, J. (2004). Use of stereo duet playback to investigate traditional duet playback methods and mechanisms of cooperative territorial defence in magpie-larks. *Behaviour*, **141**, 741-753.
- Rogers, D. J. (2003). Geographic song variation within and between populations and subspecies of the rufous bristlebird, *Dasyornis broadbenti*. *Aust. J. Zool.*, **51**, 1-14.
- Rosen, M. J. & Mooney, R. (2003). Inhibitory and excitatory mechanisms underlying auditory responses to learned vocalizations in the songbird nucleus HVC. *Neuron*, **39**, 177-194.
- Rosselli, L., Vasquez, P. & Ayub, I. (2002). The courtship displays and social system of the white-ruffed manakin in Costa Rica. *Wilson Bull.*, **114**, 165-178.
- Rowe, C. & Skelhorn, J. (2004). Avian psychology and communication. *Proc. R. Soc. Lond., B.*, **271**, 1435-1442.
- Rutkowska-Guz, J. M. & Osiejuk, T.S. (2004). Song structure and variation in Yellowhammers *Emberiza citrinella* from western Poland. *Pol. J. Ecol.*, **52**, 327-339.
- Rybak, F. & Gahr, M. (2004). Modulation by steroid hormones of a "sexy" acoustic signal in an oscine species, the common canary *Serinus canaria*. *An. Acad. Brasil. Cienc.*, **76**, 365-367.
- Saino, N., Galeotti, P., Sacchi, R., Boncoraglio, G., Martinelli, R. & Møller, A. P. (2003). Sex differences in begging vocalizations of nestling barn swallows, *Hirundo rustica*. *Anim. Behav.*, **66**, 1003-1010.
- Saino, N., Romano, M. Sacchi, R., Ninni, P., Galeotti, P. & Møller, A. P. (2003). Do male barn swallows (*Hirundo rustica*) experience a trade-off between the expression of multiple sexual signals? *Behav. Ecol. Sociobiol.*, **54**, 465-471.
- Searcy, W. A., Nowicki, S. & Peters, S. (2003). Phonology and geographic song discrimination in song sparrows. *Ethology*, **109**, 23-36.
- Secondi, J., Faivre, B. & Ferry, C. (2002). Morphological and song variation patterns in the *Hippolais* warblers' hybrid zone. *Bioacoustics*, **13**, 89-90.
- Seibt, U., Wickler, W., Kleindienst, H.-U. & Sonnenschein, E. (2002). Structure, geography and origin of dialects in the traditive song of the forest weaver *Ploceus bicolor sclateri* in Natal, S. Africa. *Behaviour*, **139**, 1237-1265.
- Sewall, K., Kelsey, R. & Hahn, T. P. (2004). Discrete variants of evening grosbeak flight calls. *Condor*, **106**, 161-166.
- Shea, S. D. & Margoliash, D. (2003). Basal forebrain cholinergic modulation of auditory activity in the zebra finch song system. *Neuron*, **40**, 1213-1226.
- Singh, T. D., Heinrich, J. E., Wissman, A. M., Brenowitz, E. A., Nordeen, E. J. & Nordeen, K. W. (2003). Seasonal regulation of NMDA receptor NR2B mRNA in the adult canary song system. *J. Neurobiol.*, **54**, 593-603.
- Slabbekoorn, H. & Peet, M. (2003). Birds sing at a higher pitch in urban noise. *Nature*, **424**, 267.
- Slabbekoorn, H. & Smith, T. B. (2002). Habitat-dependent song divergence in the little greenbul: An analysis of environmental selection pressures on acoustic signals. *Evolution*, **56**, 1849-1858.
- Slabbekoorn, H., Ellers, J. & Smith, T. B. (2002). Bird song and sound transmission: The benefits of reverberations. *Condor*, **104**, 564-573.
- Slabbekoorn, H., Jesse, A. & Bell, D. A. (2003). Microgeographic song variation in island populations of the

- white-crowned sparrow (*Zonotrichia leucophrys nutalli*): innovation through recombination. *Behaviour*, **140**, 947-963.
- Slater, P. J. B. (2000). Birdsong repertoires: Their origins and use. In *The Origins of Music* (N. L. Wallin, B. Merker and S. Brown, eds.). The MIT Press; Cambridge, Mass., pp. 49-63.
- Slater, P. J. B. (2003). Fifty years of bird song research: a case study in animal behaviour. *Anim. Behav.*, **65**, 633-639.
- Slater, P. J. B. & Mann, N. I. (2004). Why do the females of many bird species sing in the tropics? *J. Avian Biol.*, **35**, 289-294.
- Soderstrom, K. & Johnson, F. (2003). Cannabinoid exposure alters learning of zebra finch vocal patterns. *Dev. Brain Res.*, **142**, 215-217.
- Soha, J. A. & Whaling, C. (2002). Responses of adult white-crowned sparrows to playback of song phrases: Implications for the ontogeny of song recognition. *Condor*, **104**, 848-854.
- Sorenson, M. D., Sefc, K. M. & Payne, R. B. (2003). Speciation by host switch in brood parasitic indigobirds. *Nature*, **424**, 928.
- Spencer, K. A., Buchanan, K. L., Goldsmith, A. R. & Catchpole, C. K. (2003). Song as an honest signal of developmental stress in the zebra finch (*Taeniopygia guttata*). *Horm. Behav.*, **44**, 132-139.
- Stripling, R., Milewski, L., Kruse, A. & Clayton, D. (2003). Rapidly learned song-discrimination without behavioral reinforcement in adult male zebra finches (*Taeniopygia guttata*). *Neurobiol. Learn. Mem.*, **79**, 41-50.
- Sturdy, C. B. (2004). A social call. *Nature*, **430**, 414.
- Sturdy, C. B., Wild, J. M. & Mooney, R. (2003). Respiratory and telencephalic modulation of vocal motor neurons in the zebra finch. *J. Neurosci.*, **23**, 1072-1086.
- Suthers, R. A. (2004). Vocal mechanisms in birds and bats: a comparative view. *An. Acad. Brasil. Cienc.*, **76**, 247-252.
- Suthers, R. A. & Margoliash, D. (2002). Motor control of birdsong. *Curr. Opin. Neurobiol.*, **12**, 684-690.
- Tchernichovski, O. & Mitra, P. P. (2002). Towards quantification of vocal imitation in the zebra finch. *J. Comp. Physiol., A.*, **188**, 867-878.
- Thomas, R. J. (2002). Seasonal changes in the nocturnal singing routines of common nightingales *Luscinia megarhynchos*. *Ibis*, **144**, E105-E112.
- Thomas, R. J., Cuthill, I. C., Goldsmith, A. R., Cosgrove, D. F., Lidgate, H. C. & Burdett Proctor, S. L. (2003). The trade-off between singing and mass gain in a daytime-singing bird, the European robin. *Behaviour*, **140**, 387-404.
- Thomas, R. J., Drewitt, E. J. A., Kelly, D. J., Marples, N. M. & Semple, S. (2003). Nocturnal playbacks reveal hidden differences in singing behaviour between populations of robin *Erithacus rubecula*. *Bird Study*, **50**, 84-87.
- Tobias, J. A. & Seddon, N. (2002). Female begging in European robins: do neighbors eavesdrop for extrapair copulations? *Behav. Ecol.*, **13**, 637-642.
- Todt, D. (2004). From birdsong to speech: a plea for comparative approaches. *An. Acad. Brasil. Cienc.*, **76**, 201-208.
- Todt, D. & Geberzahn, N. (2003). Age-dependent effects of song exposure: song crystallization sets a boundary between fast and delayed vocal imitation. *Anim. Behav.*, **65**, 971-979.

- Trainer, J. M. & Parsons, R. J. (2001). Uniformity of long-tailed manakin songs from three localities in Costa Rica. *Wilson Bull.*, **113**, 431-434.
- Trainer, J. M. & Parsons, R. J. (2002). Delayed vocal maturation in polygynous yellow-rumped caciques. *Wilson Bull.*, **114**, 249-254.
- Turcotte, Y. & Desrochers, A. (2002). Playbacks of mobbing calls of black-capped chickadees help estimate the abundance of forest birds in winter. *J. Field Ornithol.*, **73**, 303-307.
- Vicario, D. S., Raksin, J. N., Naqvi, N. H., Thande, N. & Simpson, H. B. (2002). The relationship between perception and production in songbird vocal imitation: what learned calls can teach us. *J. Comp. Physiol., A.*, **188**, 897-908.
- Vielliard, J. (2002). The function of species-specific recognition in the acoustic communication signals system of birds: what it means and what it implies? *Bioacoustics*, **13**, 91.
- Vignal, C., Mathevon, N. & Mottin, S. (2004). Audience drives male songbird response to partner's voice. *Nature*, **430**, 448-451.
- Vogrin, M. (2002). Autumnal singing and territoriality in common redstart *Phoenicurus phoenicurus*. *Ornis Svec.*, **12**, 95-96.
- Wang, N., Hurley, P., Pytte, C. & Kirn, J. R. (2002). Vocal control neuron incorporation decreases with age in the adult zebra finch. *J. Neurosci.*, **22**, 10864-10870.
- Ward, S., Lampe, H. M. & Slater, P. J. B. (2004). Singing is not energetically demanding for pied flycatchers, *Ficedula hypoleuca*. *Behav. Ecol.*, **15**, 477-484.
- Ward, S., Speakman, J. R. & Slater, P. J. B. (2003). The energy cost of song in the canary, *Serinus canaria*. *Anim. Behav.*, **66**, 893-902.
- Warren, P. S. (2003). Winter dialects in the bronzed cowbird and their relationship to breeding-season dialects. *Anim. Behav.*, **65**, 1169-1178.
- Weisman, R. G., Njegovan, M. G., Williams, M. T., Cohen, J. S. & Sturdy, C. B. (2004). A behavior analysis of absolute pitch: sex, experience, and species. *Behav. Processes*, **66**, 289-307.
- West, M. J., King, A. P. & White, D. J. (2003). The case for developmental ecology. *Anim. Behav.*, **66**, 617-622.
- Westcott, D. A. & Kroon, F. J. (2002). Geographic song variation and its consequences in the golden bowerbird. *Condor*, **104**, 750-760.
- Whaling, C. (2000). What's behind a song? The neural basis of song learning in birds. In *The Origins of Music* (N. L. Wallin, B. Merker and S. Brown, eds.). The MIT Press; Cambridge, Mass., pp. 65-76.
- White, D. J., King, A. P. & West, M. J. (2002). Facultative development of courtship and communication in juvenile male cowbirds (*Molothrus ater*). *Behav. Ecol.*, **13**, 487-496.
- Whitney, O., Soderstrom, K. & Johnson, F. (2003). CB1 cannabinoid receptor activation inhibits a neural correlate of song recognition in an auditory/perceptual region of the zebra finch telencephalon. *J. Neurobiol.*, **56**, 266-274.
- Wiebe, M. O. & Lein, M. R. (2003). Response of male mountain chickadees, *Poecile gambeli*, to playback of different song types. *Can. Field-Nat.*, **117**, 76-81.
- Wilbrecht, L., Petersen, T. & Nottebohm, F. (2002). Bilateral LMAN lesions cancel differences in HVC neuronal recruitment induced by unilateral syringeal denervation. *J. Comp. Physiol., A.*, **188**, 909-915.
- Wisniewski, A. B. & Hulse, S. H. (1997). Auditory scene analysis in European starlings (*Sturnus vulgaris*):

Discrimination of starling song segments, their segregation from conspecific song, and evidence for conspecific song categorization. *J. Comp. Psychol.*, **111**, 337-350.

Woolley, S. M. N. & Rubel, E. W. (2002). Vocal memory and learning in adult Bengalese finches with regenerated hair cells. *J. Neurosci.*, **22**, 7774-7787.

Zollinger, S. A. & Suthers, R. A. (2004). Motor mechanisms of a vocal mimic: implications for birdsong production. *Proc. R. Soc. Lond., B.*, **271**, 483-491.