

Publications in international journals - Nicolas Mathevon

In press

- 1- Corvin S, Cornec C, Peyron R, Reby D, Fauchon C, Mathevon N, *in press*. Old but attuned: The ability to decode babies' cries does not decline with age. **Biology Letters**.
- 2- Massenet M, Mathevon N, Anikin A, Briefer E, Fitch T, Reby D, *in press*. Nonlinear phenomena in vertebrate vocalisations: Mechanisms and communicative functions. **Philosophical Transactions B**.
- 3- Corvin S, Massenet M, Hardy A, Patural H, Peyron R, Fauchon C, Mathevon N, *in press*. Nonlinear acoustic phenomena affect the perception of pain in human baby cries. **Philosophical Transactions B**.
- 4- Linossier J, Charrier I, Mathevon N, Casey C, Reichmuth C, *in press*. Non-linear phenomena in pinnipeds: a preliminary investigation in the contact calls of northern elephant pups. **Philosophical Transactions B**.
- 5- Massenet M, Pisanski K, Reynaud K, Mathevon N, Reby D, Anikin A, *in press*. Acoustic context and dynamics of nonlinear phenomena in mammalian calls. The case of puppy whines. **Philosophical Transactions B**.
- 6- Mathevon N, Keenan S, Stevens JMG, Zuberbühler K, Levréro F, *in press*. Vocal accommodation in bonobos. **Animal Behaviour**.
- 7- Caron-Delsbosc N, Boyer N, Mathevon N, Grimault N, *in press*. Sound and vibration control crocodile hatching. **Behaviour**.

2021-2025

- 8- Caron-Delsbosc N, Boyer N, Mathevon N, Grimault N, 2025. Crocodile mother's response to hatching calls. **Animal Behaviour**, 123040.
- 9- Zanolì A, Tenneriello C, Morandi I, Terranova F, Cadman M, Ludynia K, Mathevon N, Reby D, Favaro L, 2025. Acoustic cues to development of African penguins begging calls. **Ibis**, 167, 286-294.
- 10- Massenet M, Philippe R, Pisanski K, Arnaud V, Barluet de Beauchesne L, Reynaud K, Mathevon N, Reby D, 2024. Puppy whines mediate maternal behavior in domestic dogs. **Proceedings of the National Academy of Sciences**, 121:e23168121.
- 11- Terrade A, Prosnier L, Vion C, Locatelli Y, Mathevon N, Reby D, 2024. High frequency hearing sensitivity does not systematically imply aversion to ultrasounds in large terrestrial mammals. **Bioacoustics**, 33, 448-459.
- 12- Minier L, Bertucci F, Gay T, Chamot Z, Turco T, Schligler J, Mills SC, Vidal M, Parmentier E, Sturny V, Mathevon N, Beauchaud M, Lecchini D, Médoc V, 2024. Behavioural response to boat noise weakens the strength of a trophic link in coral reefs. **Environmental Pollution**, 361:124770.
- 13- Terranova F, Betti L, Ferrario V, Friard O, Ludynia K, Petersen GS, Mathevon N, Reby D, Favaro L, 2024. Windy events detection in big bioacoustics datasets using a pre-trained Convolutional Neural Network. **Science of The Total Environment**, 949:174868.
- 14- Corvin S, Fauchon C, Patural H, Peyron R, Reby D, Theunissen F, Mathevon N, 2024. Pain cues override identity cues in baby cries. **iScience**, 27:110375.
- 15- Son JS, Jang S, Mathevon N, Ryu CM, 2024. Is plant acoustic communication fact or fiction? **New Phytologist**, 242:1876-1880.
- 16- Perrier L, Cascarino A, Mounichetty C, Levréro F, Mathevon N, Roche F, 2024. Sleep fragmentation disrupts vocal interactions in rats. **Bioacoustics**, 33, 91-101.

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- 17- Choi N, Mathevon N, Hebets E, Beauchaud M, 2024. Influence of ambient water coloration on habitat and conspecific choice in the female lake Malawi cichlid, *Metriaclima zebra*. **Current Zoology**, 70:214-224.
- 18- Cornec C, Mathevon N, Pisanski K, Entani D, Monghiemo C, Bola B, Planas-Bielsa V, Reby D, Levréro F, 2024. Human infant cries communicate distress and elicit sex stereotypes: Cross cultural evidence. **Evolution and Human Behavior**, 45:48-57.
- 19- Lockhart-Bouron M, Anikin A, Pisanski K, Corvin S, Cornec C, Papet L, Levréro F, Fauchon C, Patural H, Reby D, Mathevon N, 2023 What's in a cry? Stable and dynamic information in human baby cries. **Communications Psychology**, 1, 26.
- 20- Favaro L, Zanolli A, Ludynia K, Snyman A, Carugati F, Friard O, Scaglione F, Manassero L, Valazza A, Mathevon N, Gamba M, Reby D, 2023. Vocal tract shape variation contributes to individual vocal identity in African penguins. **Proceedings Royal Society London B**.
- 21- Thévenet J, Papet L, Coureaud G, Boyer N, Levréro F, Grimault N, Mathevon N, 2023. Crocodile perception of distress in Hominid baby cries. **Proceedings Royal Society London B**, 20230201.
- 22- Arnaud V, Pellegrino F, Keenan S, St-Gelais X, Mathevon N, Levréro F, Coupé C. Improving the workflow to crack Small, Unbalanced, Noisy, but Genuine (SUNG) datasets in bioacoustics: the case of bonobo calls, 2023. **PLOS Computational Biology**, 19: e1010325.
- 23- Feist F, Terranova F, Sean Petersen G, Tourtigues E, Friard O, Gamba M, Ludynia K, Gridley T, Pichegru L, Mathevon N, Reby D, Favaro L, 2023. Acoustic censusing of African penguins based on vocal activity. **Biology**, 12, 1191.
- 24- Massenet M, Anikin A, Pisanski K, Reynaud K, Mathevon N, Reby D. Nonlinear phenomena affect human perceptions of distress, size and dominance in puppy. **Proceedings Royal Society London B**, 289, 20220429.
- 25- Thévenet J, Kehy M, Boyer N, Pradeau A, Papet L, Gaudrain E, Grimault N, Mathevon N, 2023. Sound categorization by crocodilians. **IScience**, 26, 106441.
- 26- Corvin S, Fauchon C, Peyron R, Reby D, Mathevon N, 2022. Adults learn to identify pain in babies' cries. **Current Biology**, 32:R807-R827.
- 27- Thévenet J, Grimault N, Fonseca P, Mathevon N, 2022. Voice-mediated interactions in a megaherbivore. **Current Biology**, 32, R55-R71.
- 28- Thévenet J, Papet L, Campos Z, Greenfield M, Grimault N, Mathevon N, 2022. Spatial release from masking in crocodilians. **Communications Biology**, 5:869.
- 29- Favaro L, Cresta E, Friard O, Ludynia K, Mathevon N, Pichegru L, Reby D, Gamba M, 2021. Passive acoustic monitoring of the endangered African Penguin (*Spheniscus demersus*) using autonomous recording units and ecoacoustic indices. **Ibis**, 163:1472-1480.
- 30- Root-Gutteridge H, Ratcliffe VF, Neumann J, Timarchi M, Yeung C, Korzeniowska A, Mathevon N, Reby D, 2021. Effect of pitch range on dogs' response to conspecific vs. heterospecific distress cries. **Scientific Reports**, 11:19723.
- 31- Linossier J, Charrier I, Casey C, Mathevon N, Reichmuth C, 2021. Maternal responses to pup calls in a high-cost lactation species. **Biology Letters** 17, 20210469.

2016-2020

- 32- Garcia M, Theunissen F, Sèbe F, Clavel J, Ravignani A, Marin-Cudraz T, Fuchs J, Mathevon N, 2020. Evolution of communication signals and information during species radiation. **Nature Communications**, 11:4970. *This paper is ranked in the top 5% of all research outputs scored by Altmetric High Attention Score compared to outputs of the same age (98th percentile). This paper has been highlighted by a post on the Nature Ecology & Evolution Community Forum: Mathevon N, Garcia M, Sèbe F, Theunissen F, 2020. Information tinkering in an animal communication system. **Nature Ecology & Evolution Community Forum**
<https://natureecoevocommunity.nature.com/posts/information-tinkering-in-an-animal-communication-system>*

- 33- Gallego-Abenza M, Mathevon N, Wheatcroft D, 2020. Experience modulates an insect's response to anthropogenic noise. **Behavioral Ecology**, 31:90-96.
- 34- Lemaire J, Mathevon N, Aubin T, Gaucher P, Marquis O, 2020. Observations on breeding site, bioacoustics and biometry of hatchlings of *Paleosuchus trigonatus* (Schneider, 1801) from the French Guiana (Crocodylia: Alligatoridae). **Herpetology Notes**, 13:513-516.
- 35- Papet L, Raymond M, Boyer N, Mathevon N, Grimault N, 2020. Crocodiles use both interaural level differences and interaural time differences to locate a sound source. **Journal of the Acoustical Society of America**, 148: EL307.
- 36- Favaro L, Gamba M, Cresta E, Fumagalli E, Bandoli F, Pilenga C, Isaja V, Mathevon N, Reby D, 2020. Do penguins' vocal sequences conform to linguistic laws? **Biology Letters**, 16: 20190589.
- 37- Bouchet H, Plat A, Levrero F, Reby D, Patural H, Mathevon N, 2020. Baby cry recognition is independent of motherhood but improved by experience and exposure. **Proceedings Royal Society London B**, 287:20192499.
- 38- Casey C, Charrier I, Mathevon N, Nasr C, Forman P, Reichmuth C, 2020. The genesis of giants: Behavioural ontogeny of male northern elephant seals. **Animal Behaviour**, 166:247-259.
- 39- Keenan S, Mathevon N, Stevens JMG, Nicolè F, Zuberbühler K, Guéry JP, Levréro F, 2020. The reliability of individual vocal signature varies across the bonobos' graded repertoire. **Animal Behaviour**, 169:9-21.
- 40- Papet L, Grimault N, Boyer N, Mathevon N, 2019. Influence of head morphology and natural postures on sound localization cues in crocodylians. **Royal Society Open Science**, 6:190423.
- 41- Marin-Cudraz T, Muffat-Joly B, Novoa C, Aubry P, Desmet JF, Mahamoud-Issa M, Nicolè F, Van Niekerk MH, Mathevon N, Sèbe F, 2019. Acoustic monitoring of rock ptarmigan: A multi-year comparison with point-count protocol. **Ecological Indicators**, 101:710-719.
- 42- Amorim C, Fonseca PJ, Mathevon N, Beauchaud M, 2019. Assessment of fighting ability in the vocal cichlid *Metriaclima zebra* in face of incongruent audiovisual information. **Biology Open**, 8: bio043356.
- 43- Levréro F, Mathevon N, Pisanski K, Gustafsson E, Reby D, 2018. The pitch of babies' cries predicts their voice pitch at age five. **Biology Letters**, 14:20180065.
- 44- Koutseff A, Reby D, Martin O, Levréro F, Patural H, Mathevon N, 2018. The acoustic space of pain: Cries as indicators of distress recovering dynamics in preverbal infants. **Bioacoustics**, 27:313-325.
- 45- Ben-Aderet T, Gallego-Abenza M, Reby D, Mathevon N, 2017. Dog-directed speech: why do we use it and do dogs pay attention to it? **Proceedings Royal Society London B**, 284:20162429.
- 46- Kelly T, Reby D, Levréro F, Keenan S, Gustafsson E, Koutseff A, Mathevon N, 2017. Adult human perception of distress in the cries of bonobo, chimpanzee, and human infants. **Biological Journal of the Linnean Society**, 120:919-930.
- 47- Chabrolles L, Coureaud G, Boyer N, Mathevon N, Beauchaud M, 2017. Cross-sensory modulation in a future top predator, the young Nile crocodile. **Royal Society Open Science**, 4:170386.
- 48- Mouterde S, Elie J, Mathevon N, Theunissen F, 2017. Single neurons in the avian auditory cortex encode individual identity and propagation distance in naturally degraded communication calls. **The Journal of Neuroscience**, 37:3491-3510.
- 49- Mathevon N, Casey C, Reichmuth C, Charrier I, 2017. Northern elephant seals memorize the rhythm and timbre of their rivals' voices. **Current Biology**, 27:2352-2356.
- 50- Curé C, Mathevon N, Aubin T, 2016. Mate vocal recognition in the Cory's shearwater *Calonectris diomedea*: Do females and males share the same acoustic code? **Behavioural Processes**, 128:96-102.
- 51- Fouquet M, Pisanski K, Mathevon N, Reby D, 2016. Seven and Up: Voice pitch in childhood predicts voice pitch in adulthood. **Royal Society Open Science**, 3:160395.

- 52- Keenan S, Mathevon N, Steven JMG, Guéry JP, Zuberbuhler K, Levréro F, 2016. Enduring voice recognition in bonobos. **Scientific Reports**, 6:22046.
- 53- Reby D, Levréro F, Gustafsson E, Mathevon N, 2016. Sex stereotypes influence adults' perception of babies' cries. **BMC Psychology**, 4:19. *This paper is ranked in the top 1% of all research outputs scored by Altmetric High Attention Score compared to outputs of the same age (99th percentile).*
- 54- Hernandez AM, Perez EC, Mulard H, Mathevon N, Vignal C, 2016. Mate call as reward: Acoustic communication signals can acquire positive reinforcing values during adulthood in female zebra finches (*Taeniopygia guttata*). **Journal of Comparative Psychology**, 130:36-43.
- 55- Ligout S, Dentressangle F, Mathevon N, Vignal C, 2016. Not for parents only: Begging calls allow nest-sibling recognition in juvenile zebra finches. **Ethology** 122:193-206.

2011-2015

- 56- Chabert T, Colin A, Aubin T, Shacks V, Bourquin S, Mathevon N, 2015. Size does matter: Nile crocodile mothers react more to the voice of smaller juveniles. **Scientific Reports** 5:15547.
- 57- Casey C, Charrier I, Mathevon N, Reichmuth C, 2015. Rival assessment among northern elephant seals: evidence of associative learning during male-male contests. **Royal Society Open Science** 2:150228.
- 58- Elie JE, Soula H, Mathevon N, Vignal C, 2015. Housing conditions and sacrifice protocol affect neural activity and vocal behavior in a songbird species, the zebra finch (*Taeniopygia guttata*). **Comptes Rendus Biologie** 338:825-837.
- 59- Aubin T, DaSilva M, Boscolo D, Mathevon N, 2014. Species identity coding by the song of a rainforest warbler: An adaptation to long-range transmission? **Acta Acustica** 100:638-648.
- 60- Mouterde S, Theunissen F, Elie JE, Mathevon N, 2014. Learning to cope with degraded sounds: Female zebra finches can improve their expertise at discriminating between male voices at long distance. **Journal of Experimental Biology** 217:3169-3177.
- 61- Mouterde S, Theunissen F, Elie JE, Vignal C, Mathevon N, 2014. Acoustic communication and sound degradation: How do the individual signatures of male and female zebra finch calls transmit over distance? **PLoS ONE** 9(7):e102842.
- 62- Draganoiu T, Moreau A, Ravaux L, Bonckaert W, Mathevon N, 2014. Song stability and neighbour recognition in a migratory songbird, the black redstart. **Behaviour** 151:435-453.
- 63- Bertucci F, Attia J, Beauchaud M, Mathevon N, 2013. The relevance of temporal cues in a fish sound: a first experimental investigation using modified signals. **Animal Cognition**, 16:45-54.
- 64- Charrier I, Mathevon N, Aubin T, 2013. Bearded seal males perceive geographical variation in their trills. **Behavioral Ecology and Sociobiology**, 67:1679-1689.
- 65- Gustafsson E, Levrero F, Reby D, Mathevon N, 2013. Fathers are just as good as mothers at recognizing the cries of their baby. **Nature Communications** 4:1698. *This paper has been enlightened by Nat.Com. (Press release).*
- 66- Levréro F, Mathevon N, 2013. Vocal signature in wild infant chimpanzees. **American Journal of Primatology**, 75:324-332.
- 67- Levréro F, Blanc A, Mathevon N, 2012. Response to begging calls by zebra finch parents: 'first come, first served' rule may overcome a parental preference between chicks. **Comptes Rendus Biologies**, 335:135-141.
- 68- Bertucci F, Scaion D, Beauchaud M, Attia J, Mathevon N, 2012. Ontogenesis of agonistic vocalizations in the cichlid fish *Metriaclyma zebra*. **Comptes Rendus Biologie**, 35:529-534.
- 69- Menardy F, Dutrieux G, Bouaziz J, Bozon B, Vignal C, Mathevon N, DelNegro C, 2012. Social experience affects neuronal responses to male calls in adult female zebra finches. **European Journal of Neuroscience**, 35:1322-1336.

- 70- Curé C, Mathevon N, Mundry R, Aubin T, 2012. Acoustic cues used for species recognition can differ between sexes and between sibling species: evidence in shearwaters. **Animal Behaviour**, 84:239-250.
- 71- Dentressangle F, Aubin T, Mathevon N, 2012. Males use time whereas females prefer harmony: individual call recognition in the dimorphic blue footed booby. **Animal Behaviour**, 84:413-420.
- 72- Perez E, Elie J, Soulage CO, Soula HA, Mathevon N, Vignal C, 2012. The acoustic expressions of stress in a songbird: does corticosterone drive isolation-induced modifications of zebra finch calls? **Hormones and Behaviour**, 61:573-581.
- 73- Vergne AL, Aubin T, Martin S, Mathevon N, 2012. Acoustic communication in crocodylians: Information encoding and species specificity value of juvenile calls. **Animal Cognition**, 15:1095-1109.
- 74- Bertucci F, Attia J, Beauchaud M, Mathevon N, 2012. Sounds produced by the cichlid fish *Metriaclima zebra* allow reliable estimation of size and provide information on individual identity. **Journal of Fish Biology**, 4:752-766.
- 75- Elie JE, Soula HA, Mathevon N, Vignal C, 2011. Dynamics of communal vocalizations in a social songbird, the zebra finch. **Journal of the Acoustical Society of America**, 129:4037-4046.
- 76- Vignal C, Mathevon N, 2011. Effect of acoustic cues modifications on evoked vocal response to calls in zebra finches. **Journal of Comparative Psychology**, 125:150-161.
- 77- Curé C, Aubin T, Mathevon N, 2011. Sex discrimination and mate recognition by voice in the Yelkouan shearwater *Puffinus yelkouan*. **Bioacoustics**, 20:235-250.
- 78- Elie JE, Mathevon N, Vignal C, 2011. Same-sex pair-bonds are equivalent to male-female bonds in a life-long socially monogamous songbird. **Behavioral Ecology and Sociobiology**, 65:2197-2208.
- 79- Mottin S, Montcel B, Guillet de Chatelus H, Ramstein S, Vignal C, Mathevon N, 2011. Functional white-laser imaging to study brain oxygen uncoupling/recoupling in songbirds. **Journal of Cerebral Blood Flow & Metabolism**, 31:393-400.
- 80- Vergne AL, Aubin T, Taylor, P, Mathevon N, 2011. Acoustic signals of baby black caimans. **Zoology**, 114:313-378.

2006-2010

- 81- Blanc A, Ogier N, Roux A, Denizeau S, Mathevon N, 2010. Begging coordination between siblings in Black-headed gulls. **Comptes Rendus Biologie**, 333:688-693.
- 82- Mulard H, Vignal C, Pelletier L, Blanc A, Mathevon N, 2010. From preferential response to parental calls to sex-specific response to conspecifics calls in juvenile zebra finches. **Animal Behaviour**, 80:189-195.
- 83- Charrier I, Aubin T, Mathevon N, 2010. Mother-Calf vocal communication in Atlantic walrus: a first field experimental study. **Animal Cognition**, 13:471-482.
- 84- Bertucci F, Beauchaud M, Attia J, Mathevon N, 2010. Sounds modulate males' aggressiveness in a Cichlid fish. **Ethology**, 116:1179-1188.
- 85- Elie J, Mariette MM, Soula HA, Griffith SC, Mathevon N, Vignal C, 2010. Vocal communication at nest between mates in wild zebra finches: a private vocal duet? **Animal Behaviour**, 80:597-605.
- 86- Mathevon N, Koralek A, Weldele M, Glickman S, Theunissen F, 2010. What the hyena's laugh tells: Sex, age, dominance and individual signature in the giggling call of *Crocuta crocuta*. **BMC Ecology**, 10:9.
- 87- Curé C, Aubin T, Mathevon N, 2010. Intra-sex vocal interactions in two hybridizing seabird species: the Yelkouan and the Balearic shearwaters (*Puffinus yelkouan* and *P. mauretanicus*). **Behavioral Ecology and Sociobiology**, 64:1823-1837.
- 88- Vergne A, Pritz MB, Mathevon N, 2009. Acoustic communication in crocodylians: from behaviour to brain. **Biological Reviews**, 84:391-411.

- 89- Curé C, Aubin T, Mathevon N, 2009. Acoustic convergence and divergence in two sympatric burrowing nocturnal seabirds. **Biological Journal of the Linnean Society**, 96:115-134.
- 90- Gobes S, ter Haar S, Vignal C, Vergne A, Mathevon N, Bolhuis J, 2009. Differential responsiveness in brain and behavior to sexually dimorphic long calls in male and female zebra finches. **Journal of Comparative Neurology**, 516:312-320.
- 91- Levrero F, Durand M, Vignal C, Blanc A, Mathevon N, 2009. Begging calls support offspring individual identity and recognition by zebra finch parents. **Comptes Rendus Biologie**, 332:579-589.
- 92- Vergne A, Mathevon N, 2008. Crocodile egg sounds signal hatching time. **Current Biology**, 18: R513-R514.
- 93- Vignal C, Bouchut C, Mathevon N, 2008. Sound-induced brain activity depends on stimulus subjective salience in female zebra finches. **Comptes Rendus Biologies**, 331:347-356.
- 94- Mathevon N, Aubin T, Vielliard J, Da Silva ML, Sebe F, Boscolo D, 2008. Singing in the rain forest: How a tropical bird song transfers information. **PLoS ONE**, 3(2):e1580.
- 95- Grava T, Mathevon N, Place E, Balluet P, 2008. Individual acoustic monitoring of the European Eagle Owl *Bubo bubo*. **Ibis**, 150:279-287.
- 96- Boumans T, Vignal C, Smolders A, Sijbers J, Verhoye M, Van Audekerke, Mathevon N, Van der Linden A, 2008. Functional magnetic resonance imaging in zebra finch discerns the neural substrate involved in segregation of conspecific song from background noise. **Journal of Neurophysiology**, 99:931-938.
- 97- Vignal C, Mathevon N, Mottin S, 2008. Mate recognition by female zebra finch: Analysis of individuality in male call and first investigations on female decoding process. **Behavioural Processes**, 77:191-198.
- 98- Bourgeois K, Curé C, Legrand J, Gomez Diaz E, Vidal E, Aubin T, Mathevon N, 2007. Morphological versus acoustic analysis: what is the most efficient method for sexing Yelkouan shearwaters *Puffinus yelkouan*? **Journal of Ornithology**, 148:261-269.
- 99- Aubin T, Mathevon N, Staszewski V, Boulonier T. 2007. Acoustic communication in the kittiwake *Rissa tridactyla*: potential cues for sexual and individual signatures in long calls. **Polar Biology**, 30:1027-1033.
- 100- Vergne A, Avril A, Martin S, Mathevon N, 2007. Parent-offspring communication in the Nile Crocodile *Crocodylus niloticus*: do newborns' calls show an individual signature? **Naturwissenschaften**, 94:49-54.

2001-2005

- 101- Ramstein S, Vignal C, Mathevon N, Mottin S, 2005. In-vivo and non invasive optical probing of the songbird brain. **Applied Optics**, 44:6197-6204.
- 102- Vignal C, Andru J, Mathevon N, 2005. Social context modulates behavioural and brain immediate early gene responses to sound in male songbird. **European Journal of Neuroscience**, 22:949-955.
- 103- Mathevon N, Dabelsteen T, Blumenrath S, 2005. Are high perches in the Blackcap *Sylvia atricapilla* song or listening posts? A sound transmission study. **Journal of the Acoustical Society of America**, 117:442-449.
- 104- Vignal C, Mathevon N, Mottin S, 2004. Audience drives male songbird response to partner's voice. **Nature**, 430:448-451.
- 105- Vignal C, Attia J, Mathevon N, Beauchaud M, 2004. Background noise does not modify song-induced genic activation in the bird brain. **Behavioural Brain Research**, 153:241-248.
- 106- Aubin T, Mathevon N, da Silva ML, Vielliard JME, Sebe F, 2004. How a simple and stereotyped acoustic signal transmits individual information: the song of the white-browed warbler *Basileuterus leucoblepharus*. **Anais da Academia Brasileira de Ciencias**, 76:335-344.

- 107- Mathevon N, Charrier I, 2004. Parent-offspring conflict and the coordination of siblings in gulls. **Proceedings of the Royal Society of London B**, 271: S145-S147.
- 108- Charrier I, Mathevon N, Jouventin P, 2003. Fur seal mother memorises growing pup's voice steps: Adaptation to long-term recognition or evolutionary by-product? **Biological Journal of the Linnean Society**, 80: 305-312.
- 109- Mathevon N, Charrier I, Jouventin P, 2003. Potential of individual recognition in acoustic signals: A comparative study of two gulls with different nesting patterns. **Comptes Rendus Biologies**, 326: 329-337.
- 110- Charrier I, Mathevon N, Jouventin P, 2003. Vocal signature recognition of mothers by fur seal pups. **Animal Behaviour**, 65: 543-550.
- 111- Charrier I, Mathevon N, Jouventin P, 2003. Individuality in the voice of fur seal females: an analysis study of the pup attraction call in *Arctocephalus tropicalis*. **Marine Mammal Science**, 19: 161-172.
- 112- Dabelsteen T, Mathevon N, 2002. Why do songbirds sing intensively at dawn ? A test of the acoustic transmission hypothesis. **Acta Ethologica**, 4: 65-72.
- 113- Charrier I, Mathevon N, Hassnaoui M, Carraro L, Jouventin P., 2002. The Subantarctic fur seal switches its begging behaviour during maternal absence. **Canadian Journal of Zoology**, 80: 1250-1255.
- 114- Charrier I, Mathevon N, Jouventin P., 2002. How does a fur seal mother recognize the voice of her pup? An experimental study of *Arctocephalus tropicalis*. **Journal of Experimental Biology**, 205: 603-612.
- 115- Charrier I, Mathevon N, Jouventin P, 2001. Mother's voice recognition by seal pups. **Nature**, 412: 873.
- 116- Charrier I, Jouventin P, Mathevon N, Aubin T, 2001. Individual identity coding depends on call type in the South Polar Skua *Catharacta maccormicki*. **Polar Biology**, 24: 378-382.
- 117- Charrier I, Mathevon N, Jouventin P, Aubin T, 2001. Acoustic communication in a Black-headed Gull colony: How do chicks identify their parents? **Ethology**, 107: 961-974.
- 118- Mathevon N, Aubin T, 2001. Sound-based species-specific recognition in the blackcap *Sylvia atricapilla* shows high tolerance to signal modifications. **Behaviour**, 138: 511-524.

1995-2000

- 119- Mathevon N, 1998. Degraded temporal sound features as a function of distance and potential as cues for ranging in birds. **Bioacoustics**, 9: 17-33.
- 120- Mathevon N, Aubin T, 1997. Reaction to conspecific degraded song by the wren *Troglodytes troglodytes* : Territorial response and choice of song post. **Behavioural Processes**, 39: 77-84.
- 121- Mathevon N, Aubin T, Brémond JC, 1997. Propagation of bird acoustic signals: Comparative study of starling and blackbird distress calls. **Comptes Rendus de l'Académie des Sciences de Paris**, 320: 869-876.
- 122- Mathevon N, 1997. Individuality of contact calls in the Greater Flamingo *Phoenicopterus ruber* and the problem of background noise in a colony. **Ibis**, 139: 513-517.
- 123- Mathevon N, 1996. What parameters can be used for individual acoustic recognition by the Greater Flamingo? **Comptes Rendus de l'Académie des Sciences de Paris**, 319: 29-32 .
- 124- Mathevon N, Aubin T, Dabelsteen T, 1996. Song degradation during long-range propagation: importance of song post in the wren *Troglodytes troglodytes*. **Ethology**, 102: 397-412.
- 125- Aubin T, Mathevon N, 1995. Adaptation to severe conditions of propagation: long-distance distress calls and courtship calls of a colonial seabird. **Bioacoustics**, 6: 153-161.