

**List of publications (ISI) appeared between 2015<sup>1</sup> and 2016 on selected cephalopod species (topics of relevance for the FA1301 COST Action – Ceph*sInAction*; last update, May 2016)**

*Authors being FA1301 MC members or MC substitutes are highlighted (boldface)*

*FA1301 participants granted by a STSM<sup>2</sup> are highlighted (boldface, dark blue)*

[191 papers included, not exhaustive list]

1. Abdelmalek BE, Gomez-Estaca J, Sila A, Martinez-Alvarez O, Gomez-Guillen MC, Chaabouni-Ellouz S, Ayadi MA, Bougatef A. (2016). Characteristics and functional properties of gelatin extracted from squid (*Loligo vulgaris*) skin. *Lwt-Food Science and Technology* 65: 924-931
2. Aguilera SE, Cole J, Finkbeiner EM, Le Cornu E, Ban NC, Carr MH, Cinner JE, Crowder LB, Gelcich S, Hicks CC, Kittinger JN, Martone R, Malone D, Pomeroy C, Starr RM, Seram S, Zuercher R, Broad K. (2015). Managing Small-Scale Commercial Fisheries for Adaptive Capacity: Insights from Dynamic Social-Ecological Drivers of Change in Monterey Bay. *PLOS One* 10 Doi.org/10.1371/journal.pone.0118992
3. Ainsworth CM, Wang CH, Tucker MG, Evans JSO. (2015). Synthesis, Structural Characterization, and Physical Properties of the New Transition Metal Oxyselenide Ce<sub>2</sub>O<sub>2</sub>ZnSe<sub>2</sub>. *Inorganic Chemistry* 54: 1563-1571
4. Alabia ID, Saitoh SI, Mugo R, Igarashi H, Ishikawa Y, Usui N, Kamachi M, Awaji T, Seito M. (2015). Identifying Pelagic Habitat Hotspots of Neon Flying Squid in the Temperate Waters of the Central North Pacific. *PLOS One* 10 Doi.org/10.1371/journal.pone.0142885
5. Alabia ID, Saitoh SI, Mugo R, Igarashi H, Ishikawa Y, Usui N, Kamachi M, Awaji T, Seito M. (2015). Seasonal potential fishing ground prediction of neon flying squid (*Ommastrephes bartramii*) in the western and central North Pacific. *Fisheries Oceanography* 24: 190-203
6. Albertin CB, Simakov O, Mitros T, Wang ZY, Pungor JR, Edsinger-Gonzales E, Brenner S, Ragsdale CW, Rokhsar DS. (2015). The octopus genome and the evolution of cephalopod neural and morphological novelties. *Nature* 524: 220-224, doi:10.1038/nature14668

<sup>1</sup> Publications included in COSTFA1301\_scientific output 2015 are not included herein

<sup>2</sup> Publications highlighted may not be the one directly related to the STSM supported by the COST Action FA1301

7. Alvito PM, Rosa R, Phillips RA, Cherel Y, Ceia F, Guerreiro M, Seco J, Baeta A, Vieira RP, Xavier JC. (2015). Cephalopods in the diet of nonbreeding black-browed and grey-headed albatrosses from South Georgia. *Polar Biology* 38: 631-641
8. Amado EM, Souza-Bastos LR, Vidal EAG, Leite TS, Freire CA. (2015). Different abilities to regulate tissue hydration upon osmotic challenge in vitro, in the cephalopods *Octopus vulgaris* and *O. insularis*. *Marine and Freshwater Behaviour and Physiology* 48: 205-211
9. Andre M, Kaifu K, Sole M, van der Schaar M, Akamatsu T, Balastegui A, Sanchez AM, Castell JV. (2016). Contribution to the Understanding of Particle Motion Perception in Marine Invertebrates. In: *The Effects of Noise on Aquatic Life II, Advances in Experimental Medicine and Biology* 857: 47-55
10. Aoki K, Amano M, Kubodera T, Mori K, Okamoto R, Sato K. (2015). Visual and behavioral evidence indicates active hunting by sperm whales. *Marine Ecology Progress Series* 523: 233-241
11. Arkhipkin A, Weis R, Mariotti N, Shcherbich Z. (2015). 'Tailed' cephalopods. *Journal of Molluscan Studies* 81: 345-355
12. Aruga K, Li R. (2016). Testing market integration for Japanese retail seafood markets. *Australian Journal of Agricultural and Resource Economics* 60: 212-226
13. Avila-Poveda OH, Montes-Perez RC, Koueta N, Benitez-Villalobos F, Ramirez-Perez JS, Jimenez-Gutierrez LR, Rosas C. (2015). Seasonal changes of progesterone and testosterone concentrations throughout gonad maturation stages of the Mexican octopus, *Octopus maya* (Octopodidae: *Octopus*). *Molluscan Research* 35: 161-172
14. Avila-Poveda OH, Koueta N, Benitez-Villalobos F, Santos-Valencia J, Rosas C. (2016). Reproductive traits of *Octopus maya* (Cephalopoda: Octopoda) with implications for fisheries management. *Molluscan Research* 36: 29-44
15. Balti R, Bougatef A, Sila A, Guillochon D, Dhulster P, Nedjar-Arroume N. (2015). Nine novel angiotensin I-converting enzyme (ACE) inhibitory peptides from cuttlefish (*Sepia officinalis*) muscle protein hydrolysates and antihypertensive effect of the potent active peptide in spontaneously hypertensive rats. *Food Chemistry* 170: 519-525

16. Barcellos DD, Gasalla MA. (2015). Morphology and morphometry of *Doryteuthis plei* (Cephalopoda: Loliginidae) statoliths from the northern shelf off Sao Paulo, southeastern Brazil. *Journal of Natural History* 49: 1305-1317
17. Berling I, Isbister G. (2015). Marine envenomations. *Australian Family Physician* 44: 28-32
18. Bettoso N, Borme D, Faresi L, Aleffi I, Orlando-Bonaca M, Lipej L. (2016). New insights on the biological parameters of the exploited cuttlefish *Sepia officinalis* L. (Mollusca: Cephalopoda) in the northern Adriatic Sea in relation to the main fishing gears employed. *Mediterranean Marine Science* 17: 152-162
19. Bidel F, Di Poi C, Imarazene B, Koueta N, Budzinski H, Van Delft P, Bellanger C, Jozet-Alves C. (2016). Pre-hatching fluoxetine-induced neurochemical, neurodevelopmental, and immunological changes in newly hatched cuttlefish. *Environmental Science and Pollution Research* 23: 5030-5045
20. Birkl C, Langkammer C, Krenn H, Goessler W, Ernst C, Haybaeck J, Stollberger R, Fazekas F, Ropele S. (2015). Iron Mapping Using the Temperature Dependency of the Magnetic Susceptibility. *Magnetic Resonance in Medicine* 73: 1282-1288
21. Blackall LL, Wilson B, Van Oppen AJH. (2015). Coral-the world's most diverse symbiotic ecosystem. *Molecular Ecology* 24: 5330-5347
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23. Caldwell RL, Ross R, Rodaniche A, Huffard CL. (2015). Behavior and Body Patterns of the Larger Pacific Striped Octopus. *PLOS One* 10; Doi.org/10.1371/journal.pone.0134152
24. Cho Y, Tsuchiya S, Yoshioka R, Omura T, Konoki K, Oshima Y, Yotsu-Yamashita M. (2015). The presence of 12 beta-deoxydecarbamoylsaxitoxin in the Japanese toxic dinoflagellate *Alexandrium* determined by simultaneous analysis for paralytic shellfish toxins using HILIC-LC-MS/MS. *Harmful Algae* 49: 58-67
25. Christopoulou ME, Mertzimekis TJ, Nomikou P, Papanikolaou D, Carey S, Mandalakis M. (2016). Influence of hydrothermal venting on water column properties in the crater of the Kolumbo submarine volcano, Santorini volcanic field (Greece). *Geo-Marine Letters* 36: 15-24

26. Cornet V, Henry J, Corre E, Le Corguille G, Zatylny-Gaudin C. (2015). The Toll/NF-kappa B pathway in cuttlefish symbiotic accessory nidamental gland. *Developmental and Comparative Immunology* 53: 42-46
27. Cornet V, Henry J, Goux D, Duval E, Bernay B, Le Corguille G, Corre E, Zatylny-Gaudin C. (2015). How egg case proteins can protect cuttlefish offspring? *PLOS One* 10 Doi.org/10.1371/journal.pone.0132836
28. Cudennec B, Balti R, Ravallec R, Caron J, Bougateg A, Dhulster P, Nedjar N. (2015). In vitro evidence for gut hormone stimulation release and dipeptidyl-peptidase IV inhibitory activity of protein hydrolysate obtained from cuttlefish (*Sepia officinalis*) viscera. *Food Research International* 78: 238-245
29. Culligan J. (2016). Decoding cuttlefish communication using human speech recognition models. *Perception* 45: 358
30. d'Ischia M, Wakamatsu K, Cicoira F, Di Mauro E, Garcia-Borrón JC, Commo S, Galvan I, Ghanem G, Kenzo K, Meredith P, Pezzella A, Santato C, Sarna T, Simon JD, Zecca L, Zucca FA, Napolitano A, Ito S. (2015). Melanins and melanogenesis: from pigment cells to human health and technological applications. *Pigment Cell & Melanoma Research* 28: 520-544
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32. de Soto NA. (2016). Peer-Reviewed Studies on the Effects of Anthropogenic Noise on Marine Invertebrates: From Scallop Larvae to Giant Squid. In: *The Effects of Noise on Aquatic Life II, Advances in Experimental Medicine and Biology* 857: 17-26
33. Di Cristina G, Andrews P, **Ponte G, Galligioni V, Fiorito G.** (2015). The impact of Directive 2010/63/EU on cephalopod research. *Invertebrate Neuroscience* 15: doi: 10.1007/s10158-015-0183-y
34. Emery TJ, Hartmann K, Gardner C. (2016). Management issues and options for small scale holobenthic octopus fisheries. *Ocean & Coastal Management* 120: 180-188
35. Feyjoo P, Cabanellas-Reboredo M, Calvo-Manazza M, Morales-Nin B, Hernandez-Urcera J, Garci ME, Gonzalez AF, Guerra A. (2016). New insights on the external features of egg capsules and embryo development in the squid *Loligo vulgaris*. *Journal of Natural History* 50: 543-555

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39. Fritsch M, **Wollesen T**, de Oliveira AL, A. (2015). Unexpected co-linearity of Hox gene expression in an aculiferan mollusk. *BMC Evolutionary Biology* 15 doi: 10.1186/s12862-015-0414-1
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41. Fuchs D, Kostak M. (2016). *Amphispirula* gen. nov from the Eocene of southern Moravia (Czech Republic): a new ancestor of the Recent deep-sea squid *Spirula*? *Journal of Systematic Palaeontology* 14: 91-98
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44. Galliani G, Brucka MA. (2016). Cholesteryl esters from squid oil contain only saturated fatty acids, whereas the oil is rich in EPA and DHA and contains almost no saturated fatty acids. *European Journal of Lipid Science and Technology* 118: 453-460
45. **Garrido D**, Martín MV, Rodríguez C, Iglesias J, Navarro JC, Estévez A, Hontoria F, Becerro M, Otero J, Pérez J, Varó.I, Reis DB, Riera R, **Sykes A**, **Almansa E** (2016). Meta

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  47. Gawali VS, Lukacs P, Cervenka R, Koenig X, Rubi L, Hilber K, Sandtner W, Todt H. (2015). Mechanism of Modification, by Lidocaine, of Fast and Slow Recovery from Inactivation of Voltage-Gated Na<sup>+</sup> Channels. *Molecular Pharmacology* 88: 866-879
  48. Gayer W, Reid A, Lindgren A. (2016). Systematics and Population Distribution of the Australian Giant Cuttlefish, *Sepia apama*. *Integrative and Comparative Biology* 56: E290
  49. Geng JT, Kaido T, Kasukawa M, Zhong C, Sun LC, Okazaki E, Osako K. (2015). Mechanism study of high browning degree of mantle muscle meat from Japanese common squid *Todarodes pacificus* during air-drying. *Food Chemistry* 176: 158-166
  50. Gestal C, Castellanos-Martinez S. (2015). Understanding the cephalopod immune system based on functional and molecular evidence. *Fish & Shellfish Immunology* 46: 120-130
  51. Gras M, Safi G, Lebretonchel H, Quinquis J, Foucher E, Koueta N, Robin JP. (2016). Stock structure of the English Channel common cuttlefish *Sepia officinalis* (Linnaeus, 1758) during the reproduction period. *Journal of the Marine Biological Association of the United Kingdom* 96: 167-176
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  53. Hadzavdic SL, Kulisic SM, Tonicic RJ, Gulin SJ, Bradamante M. (2016). Occupational contact urticaria caused by squid. *Contact Dermatitis* 74: 304-305
  54. Hajji S, Younes I, Rinaudo M, Jellouli K, Nasri M. (2015). Characterization and In Vitro Evaluation of Cytotoxicity, Antimicrobial and Antioxidant Activities of Chitosans Extracted from Three Different Marine Sources. *Applied Biochemistry and Biotechnology* 177: 18-35

55. Hall NE, Hanzak J, **Allcock** AL, Cooke IR, Ogura A, Strugnell JM. (2016). The complete mitochondrial genome of the pygmy squid, *Idiosepius* (Cephalopoda: Decapodiformes): the first representative from the family Idiosepiidae. *Mitochondrial DNA* 27: 5-6
56. Hammerstein P, Noe R. (2016). Biological trade and markets. *Philosophical Transactions of the Royal Society B-Biological Sciences* 371
57. Higashi K, Okamoto Y, Mukuno A, Wakai J, Hosoyama S, Linhardt RJ, Toida T. (2015). Functional chondroitin sulfate from *Enteroctopus dofleini* containing a 3-O-Sulfo Glucuronic acid residue. *Carbohydrate Polymers* 134: 557-565
58. Hooper AK, Wegener BJ, Wong BBM. (2016). When should male squid prudently invest sperm? *Animal Behaviour* 112: 163-167
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63. Ishimaru M, Haraoka M, Hatate H, Tanaka R. (2016). Simultaneous Analysis of Purine and Pyrimidine Compounds Associated with the Freshness and Taste of Marine Foods. *Food Analytical Methods* 9: 1606-1615
64. Jones A. (2016). Brains, Tortoises, and Octopuses: Postwar Interpretations of Mechanical Intelligence on the BBC. *Information & Culture* 51: 81-101

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81. Lenz TM, Elias NH, Leite TS, Vidal EAG. (2015). First description of the eggs and paralarvae of the tropical octopus, *Octopus insularis*, under culture conditions. *American Malacological Bulletin* 33: 101-109
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84.  **Lourenço S**, Moreno A, Narciso L, **Pereira J**, Rosa R, González ÁF (2015). Stylet (vestigial shell) size in *Octopus vulgaris* (Cephalopoda) hatchlings used to determine stylet nucleus in adults. *Journal of the Marine Biological Association of the United Kingdom*, 95: 1237-1243

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