# Miquel Planas

List of Publications by Year
in descending order

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|---|---|---|---|
| 71 papers | 2,198 citations | 279487 23 h-index | 253896 43 g-index |
| 104 all docs | 104 docs citations | 104 times ranked | 1888 citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Biomass production and variation in the biochemical profile (total protein, carbohydrates, RNA, lipids) Tj ETQq1 1 0.784314 rgBT /Ove | 1.7 | 225 |
| 2 | Advances in Breeding and Rearing Marine Ornamentals. Journal of the World Aquaculture Society, 2011, 42, 135-166. | 1.2 | 191 |
| 3 | Larviculture of marine fish: problems and perspectives. Aquaculture, 1999, 177, 171-190. | 1.7 | 158 |
| 4 | Probiotic effect in vivo of Roseobacter strain 27-4 against Vibrio (Listonella) anguillarum infections in turbot (Scophthalmus maximus L.) larvae. Aquaculture, 2006, 255, 323-333. | 1.7 | 149 |
| 5 | Optimal prey size for early turbot larvae (Scophthalmus maximus L.) based on mouth and ingested prey size. Aquaculture, 1999, 175, 103-110. | 1.7 | 87 |
| 6 | Control of Vibrio alginolyticus in Artemia culture by treatment with bacterial probiotics. Aquaculture, 2003, 219, 43-56. | 1.7 | 84 |
| 7 | Enhancement of rotifer (Brachionus plicatilis) growth by using terrestrial lactic acid bacteria. Aquaculture, 2004, 240, 313-329. | 1.7 | 77 |
| 8 | Isolation of Vibrio alginolyticus and Vibrio splendidus from captive-bred seahorses with disease symptoms. Antonie Van Leeuwenhoek, 2010, 97, 207-210. | 0.7 | 74 |
| 9 | Establishment and maintenance of threatened long-snouted seahorse, Hippocampus guttulatus, broodstock in captivity. Aquaculture, 2008, 283, 19-28. | 1.7 | 63 |
| 10 | Pediococcus acidilactici in the culture of turbot (Psetta maxima) larvae: Administration pathways. Aquaculture, 2010, 307, 83-88. | 1.7 | 49 |
| 11 | Isolation of a highly pathogenic Vibrio pelagius strain associated with mass mortalities of turbot, Scophthalmus maximus (L.), larvae. Journal of Fish Diseases, 2003, 26, 293-303. | 0.9 | 44 |
| 12 | A model for experimental infections with Vibrio (Listonella) anguillarum in first feeding turbot (Scophthalmus maximus L.) larvae under hatchery conditions. Aquaculture, 2005, 250, 232-243. | 1.7 | 41 |
| 13 | The influence of diet on the early development of two seahorse species (H. guttulatus and H. reidi): Traditional and innovative approaches. Aquaculture, 2018, 490, 75-90. | 1.7 | 41 |
| 14 | Dynamics of PPARs, fatty acid metabolism genes and lipid classes in eggs and early larvae of a teleost. Comparative Biochemistry and Physiology - B Biochemistry and Molecular Biology, 2013, 164, 247-258. | 0.7 | 40 |
| 15 | Phylogenetic characterization and in situ detection of bacterial communities associated with seahorses (Hippocampus guttulatus) in captivity. Systematic and Applied Microbiology, 2010, 33, 71-77. | 1.2 | 39 |
| 16 | Temperature-induced changes of growth and survival in the early development of the seahorse Hippocampus guttulatus. Journal of Experimental Marine Biology and Ecology, 2012, 438, 154-162. | 0.7 | 37 |
| 17 | Seahorse Aquaculture, Biology and Conservation: Knowledge Gaps and Research Opportunities. Reviews in Fisheries Science and Aquaculture, 2017, 25, 100-111. | 5.1 | 37 |
| 18 | Temperature dependency of early growth of turbot (Scophthalmus maximus L.) and its implications for developmental progress. Journal of Experimental Marine Biology and Ecology, 1999, 242, 201-210. | 0.7 | 32 |

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|---|---|---|---|
| 19 | Bacillus galliciensis sp. nov., isolated from faeces of wild seahorses (Hippocampus guttulatus). International Journal of Systematic and Evolutionary Microbiology, 2010, 60, 892-895. | 0.8 | 31 |
| 20 | Female maturation, egg characteristics and fatty acids profile in the seahorse Hippocampus guttulatus. Animal Reproduction Science, 2010, 122, 66-73. | 0.5 | 31 |
| 21 | Changes in the biochemical composition ofOstrea edulis larvae fed on different food regimes. Marine Biology, 1990, 106, 395-401. | 0.7 | 29 |
| 22 | Different colonization and residence time of Listonella anguillarum and Vibrio splendidus in the rotifer Brachionus plicatilis determined by real-time PCR and DGGE. Aquaculture, 2010, 302, 26-35. | 1.7 | 28 |
| 23 | Non-lethal dorsal fin sampling for stable isotope analysis in seahorses. Aquatic Ecology, 2012, 46, 363-370. | 0.7 | 26 |
| 24 | Implications of physical key factors in the early rearing of the long-snouted seahorse Hippocampus guttulatus. Aquaculture, 2014, 433, 214-222. | 1.7 | 24 |
| 25 | Use of Multivariate Analysis to Assess the Nutritional Condition of Fish Larvae From Nucleic Acids and Protein Content. Biological Bulletin, 2003, 204, 339-349. | 0.7 | 23 |
| 26 | Monitoring of the bioencapsulation of a probiotic Phaeobacter strain in the rotifer Brachionus plicatilis using denaturing gradient gel electrophoresis. Aquaculture, 2010, 302, 182-194. | 1.7 | 23 |
| 27 | Mycobacterium hippocampi sp. nov., a Rapidly Growing Scotochromogenic Species Isolated from a Seahorse with Tail Rot. Current Microbiology, 2014, 69, 329-333. | 1.0 | 23 |
| 28 | Energy allocation and metabolic scope in early turbot, Scophthalmus maximus, larvae. Marine Biology, 2007, 151, 1397-1405. | 0.7 | 20 |
| 29 | Analysis of the diet of the long-snouted seahorseHippocampus guttulatusby 18SrDNA amplification of prey in faeces. Aquaculture Nutrition, 2015, 21, 528-540. | 1.1 | 18 |
| 30 | Dietary composition of endangered seahorses determined by stable isotope analysis. Marine and Freshwater Research, 2017, 68, 831. | 0.7 | 18 |
| 31 | Conservation Genetics of Threatened Hippocampus guttulatus in Vulnerable Habitats in NW Spain: Temporal and Spatial Stability of Wild Populations with Flexible Polygamous Mating System in Captivity. PLoS ONE, 2015, 10, e0117538. | 1.1 | 18 |
| 32 | Mouth Growth and Prey Selection in Juveniles of the European Longâ€snouted Seahorse, Hippocampus guttulatus. Journal of the World Aquaculture Society, 2015, 46, 596-607. | 1.2 | 17 |
| 33 | Vibrio hippocampi sp. nov., a new species isolated from wild seahorses (Hippocampus guttulatus). FEMS Microbiology Letters, 2010, 307, 30-34. | 0.7 | 16 |
| 34 | Effect of diet on breeders and inheritance in syngnathids: application of isotopic experimentally derived data to field studies. Marine Ecology - Progress Series, 2020, 650, 107-123. | 0.9 | 16 |
| 35 | Maturation of Hippocampus guttulatus and Hippocampus hippocampus females by manipulation of temperature and photoperiod regimes. Aquaculture, 2013, 388-391, 147-152. | 1.7 | 15 |
| 36 | Ongrowing and enhancement of n-3 HUFA profile in adult Artemia: short- vs long-time enrichment. Journal of Applied Phycology, 2017, 29, 1409-1420. | 1.5 | 15 |

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|---|---|---|---|
| 37 | Identification and characterization of bacteria with antibacterial activities isolated from seahorses (Hippocampus guttulatus). Journal of Antibiotics, 2010, 63, 271-274. | 1.0 | 14 |
| 38 | Oceanibacterium hippocampi gen. nov., sp. nov., isolated from cutaneous mucus of wild seahorses (Hippocampus guttulatus). Antonie Van Leeuwenhoek, 2012, 102, 187-191. | 0.7 | 14 |
| 39 | Histological development of the longâ€snouted seahorse <scp>Hippocampus guttulatus</scp> during ontogeny. Journal of Fish Biology, 2018, 93, 72-87. | 0.7 | 14 |
| 40 | A Multidisciplinary Experimental Study on the Effects of Breeders Diet on Newborn Seahorses (Hippocampus guttulatus). Frontiers in Marine Science, 2020, 7, . | 1.2 | 13 |
| 41 | Isolation and molecular identification of the scuticociliate <scp>P</scp>orpostoma notata Moebius, 1888 from moribund reared <scp>H</scp>ippocampus hippocampus (L.) seahorses, by amplification of the <scp>SSU rRNA</scp> gene sequences. Journal of Fish Diseases, 2014, 37, 1061-1065. | 0.9 | 12 |
| 42 | Preferential habitats prediction in syngnathids using species distribution models. Marine Environmental Research, 2021, 172, 105488. | 1.1 | 12 |
| 43 | NovelMycobacteriumSpecies in Seahorses with Tail Rot. Emerging Infectious Diseases, 2011, 17, 1770-1772. | 2.0 | 11 |
| 44 | Vibrio inhibens sp. nov., a novel bacterium with inhibitory activity against Vibrio species. Journal of Antibiotics, 2012, 65, 301-305. | 1.0 | 11 |
| 45 | Ontogeny of digestive enzymatic capacities in juvenile seahorsesHippocampus guttulatusfed on different live diets. Aquaculture Research, 2016, 47, 3558-3569. | 0.9 | 11 |
| 46 | Optimizing packing of live seahorses for shipping. Aquaculture, 2018, 482, 57-64. | 1.7 | 11 |
| 47 | Free amino acid and protein contents of start-feeding larvae of turbot ( Scophthalmus maximus ) at three temperatures. Marine Biology, 1999, 133, 327-336. | 0.7 | 10 |
| 48 | Carry-over effects of pre-breeding diets on seahorse (Hippocampus reidi) reproductive success. Aquaculture, 2021, 533, 736148. | 1.7 | 9 |
| 49 | A multidisciplinary approach to identify priority areas for the monitoring of a vulnerable family of fishes in Spanish Marine National Parks. Bmc Ecology and Evolution, 2021, 21, 4. | 0.7 | 8 |
| 50 | Simple techniques for labelling prey and gut content analysis in short-term feeding experiments with fish larvae. Aquatic Living Resources, 1999, 12, 145-149. | 0.5 | 7 |
| 51 | First observations of conjoined twins in newborn seahorses, Hippocampus guttulatus Cuvier. Journal of Fish Diseases, 2012, 35, 705-708. | 0.9 | 7 |
| 52 | First evidence of ingestion and retention of microplastics in seahorses (Hippocampus reidi) using copepods (Acartia tonsa) as transfer vectors. Science of the Total Environment, 2022, 818, 151688. | 3.9 | 7 |
| 53 | Effects of Tissue Preservation on Carbon and Nitrogen Stable Isotope Signatures in Syngnathid Fishes and Prey. Animals, 2020, 10, 2301. | 1.0 | 6 |
| 54 | Nutrient Incorporation in First Feeding Seahorses Evidenced by Stable Carbon Isotopes. Animals, 2021, 11, 470. | 1.0 | 6 |

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|---|---|---|---|
| 55 | Pre-breeding Diets in the Seahorse Hippocampus reidi: How Do They Affect Fatty Acid Profiles, Energetic Status and Histological Features in Newborn?. Frontiers in Marine Science, 2021, 8, . | 1.2 | 6 |
| 56 | Primary, secondary, and tertiary stress responses of juvenile seahorse Hippocampus reidi exposed to acute acid stress in brackish and seawater. Comparative Biochemistry and Physiology - B Biochemistry and Molecular Biology, 2021, 255, 110592. | 0.7 | 6 |
| 57 | Structure and Trophic Niches in Mobile Epifauna Assemblages Associated With Seaweeds and Habitats of Syngnathid Fishes in CÃes Archipelago (Atlantic Islands Marine National Park, North West Iberia). Frontiers in Marine Science, 2021, 8, . | 1.2 | 6 |
| 58 | A microsatellite panel for mating system analysis and broodstock management of captive long-snouted seahorse Hippocampus guttulatus. Aquaculture, 2012, 356-357, 153-157. | 1.7 | 5 |
| 59 | Effects of diet on population development of the rotiferBrachionus plicatilis in culture. Helgolâ^šÂ§nder Meeresuntersuchungen, 1989, 43, 171-181. | 0.2 | 4 |
| 60 | Effect of selected variables on the preparation of gelatin-acacia microcapsules for aquaculture. Aquacultural Engineering, 1990, 9, 329-341. | 1.4 | 4 |
| 61 | Does acidification lead to impairments on oxidative status and survival of orange clownfish Amphiprion percula juveniles?. Fish Physiology and Biochemistry, 2021, 47, 841-848. | 0.9 | 4 |
| 62 | Administration of the probiotic Lactobacillus rhamnosus IMC 501 as a strategy for the control of Vibrio bacteria in the brine shrimp Artemia. Letters in Applied Microbiology, 2021, 73, 336-342. | 1.0 | 4 |
| 63 | Stimulative effect of lactic acid bacteria in the growth of the microalgae Isochrysis galbana. Journal of Coastal Life Medicine, 2015, 3, 925-930. | 0.2 | 4 |
| 64 | Dynamic changes in DNA methylation during seahorse (Hippocampus reidi) postnatal development and settlement. Frontiers in Zoology, 2021, 18, 52. | 0.9 | 4 |
| 65 | Application of Effective Day Degrees in the Assessment of Stable Isotope Patterns in Developing Seahorses under Different Temperatures. Animals, 2020, 10, 1571. | 1.0 | 3 |
| 66 | Ecological Traits and Trophic Plasticity in The Greater Pipefish Syngnathus acus in the NW Iberian Peninsula. Biology, 2022, 11, 712. | 1.3 | 3 |
| 67 | Successful Use of Geochemical Tools to Trace the Geographic Origin of Long-Snouted Seahorse Hippocampus guttulatus Raised in Captivity. Animals, 2021, 11, 1534. | 1.0 | 2 |
| 68 | New Strategies for the Control of Bacterial Infections in Marine Fish Larval Rearing. , 2011, , 1-30. | | 2 |
| 69 | Turnover Rates and Dietâ€“Tissue Discrimination Factors of Nitrogen and Carbon Stable Isotopes in Seahorse Hippocampus reidi Juveniles Following a Laboratory Diet Shift. Animals, 2022, 12, 1232. | 1.0 | 2 |
| 70 | Sustainable Aquaculture: Nutrition Studies in Early Developing Finfish, Ornamentals and Experimental Model Fish. Animals, 2022, 12, 1384. | 1.0 | 1 |
| 71 | Survival of the probiotic bacteria Lactobacillus rhamnosus in seawater and its bioencapsulation in the brine shrimp Artemia. Frontiers in Marine Science, 0, 1, . | 1.2 | 0 |