# Michel L Kulbicki

List of Publications by Year
in descending order



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|---|---|---|---|
| 96 papers | 5,973 citations | 81900 39 h-index | 76900 74 g-index |
| 100 all docs | 100 docs citations | 100 times ranked | 7441 citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Underwater photogrammetry reveals new links between coral reefscape traits and fishes that ensure key functions. Ecosphere, 2022, 13, . | 2.2 | 7 |
| 2 | The contribution of macroalgaeâ€associated fishes to smallâ€scale tropical reef fisheries. Fish and Fisheries, 2022, 23, 847-861. | 5.3 | 11 |
| 3 | Biological trade-offs underpin coral reef ecosystem functioning. Nature Ecology and Evolution, 2022, 6, 701-708. | 7.8 | 18 |
| 4 | Functional and Taxonomic Overlap in Shore Fish Assemblages in a Tropical Seascape. Diversity, 2022, 14, 310. | 1.7 | 1 |
| 5 | Combining Passive Acoustics and Environmental Data for Scaling Up Ecosystem Monitoring: A Test on Coral Reef Fishes. Remote Sensing, 2022, 14, 2394. | 4.0 | 5 |
| 6 | Quantifying the shelter capacity of coral reefs using photogrammetric 3D modeling: From colonies to reefscapes. Ecological Indicators, 2021, 121, 107151. | 6.3 | 35 |
| 7 | Lifeâ€history traits, geographical range, and conservation aspects of reef fishes from the Atlantic and Eastern Pacific. Ecology, 2021, 102, e03298. | 3.2 | 23 |
| 8 | Patterns of taxonomic and functional diversity in the global cleaner reef fish fauna. Journal of Biogeography, 2021, 48, 2469-2485. | 3.0 | 12 |
| 9 | Congruent trophic pathways underpin global coral reef food webs. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, . | 7.1 | 10 |
| 10 | Nondestructive Monitoring of Soft Bottom Fish and Habitats Using a Standardized, Remote and Unbaited 360Â° Video Sampling Method. Fishes, 2021, 6, 50. | 1.7 | 8 |
| 11 | A closer examination of the â€˜abundant centreâ€™ hypothesis for reef fishes. Journal of Biogeography, 2020, 47, 2194-2209. | 3.0 | 15 |
| 12 | Macroalgal meadow habitats support fish and fisheries in diverse tropical seascapes. Fish and Fisheries, 2020, 21, 700-717. | 5.3 | 56 |
| 13 | Low fuel cost and rising fish price threaten coral reef wilderness. Conservation Letters, 2020, 13, e12706. | 5.7 | 14 |
| 14 | Meeting fisheries, ecosystem function, and biodiversity goals in a human-dominated world. Science, 2020, 368, 307-311. | 12.6 | 99 |
| 15 | Delineating reef fish trophic guilds with global gut content data synthesis and phylogeny. PLoS Biology, 2020, 18, e3000702. | 5.6 | 38 |
| 16 | Determinants of reef fish assemblages in tropical Oceanic islands. Ecography, 2019, 42, 77-87. | 4.5 | 40 |
| 17 | A DNA barcode reference library of French Polynesian shore fishes. Scientific Data, 2019, 6, 114. | 5.3 | 21 |
| 18 | Assessing key ecosystem functions through soundscapes: A new perspective from coral reefs. Ecological Indicators, 2019, 107, 105623. | 6.3 | 36 |

| # | Article | IF | Citations |
|---|---|---|---|
| 19 | A processâ€based model supports an association between dispersal and the prevalence of species traits in tropical reef fish assemblages. Ecography, 2019, 42, 2095-2106. | 4.5 | 13 |
| 20 | Form and function of tropical macroalgal reefs in the Anthropocene. Functional Ecology, 2019, 33, 989-999. | 3.6 | 76 |
| 21 | Environmental DNA illuminates the dark diversity of sharks. Science Advances, 2018, 4, eaap9661. | 10.3 | 222 |
| 22 | Assembly rules of fish communities in Tuamotu archipelago atoll lagoons: The case of Fangatau, a lagoon dominated by giant clam habitats. Marine Biodiversity, 2018, 48, 2215-2224. | 1.0 | 1 |
| 23 | Reef accessibility impairs the protection of sharks. Journal of Applied Ecology, 2018, 55, 673-683. | 4.0 | 46 |
| 24 | Human activities as a driver of spatial variation in the trophic structure of fish communities on Pacific coral reefs. Global Change Biology, 2018, 24, e67-e79. | 9.5 | 42 |
| 25 | Community-wide scan identifies fish species associated with coral reef services across the Indo-Pacific. Proceedings of the Royal Society B: Biological Sciences, 2018, 285, 20181167. | 2.6 | 13 |
| 26 | Gravity of human impacts mediates coral reef conservation gains. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, E6116-E6125. | 7.1 | 185 |
| 27 | Chapitre 36. Poissons rares ou endÃ©miques, des acteurs mÃ©connus quâ€™il faut prÃ©server. , 2018, , 223-227. | | 0 |
| 28 | Chapitre 16. La biodiversitÃ© fonctionnelle dans le lagon. , 2018, , 115-119. | | 0 |
| 29 | Chapitre 14. Les poissons du Caillou se dÃ©voilent. , 2018, , 103-107. | | 0 |
| 30 | Isolation drives taxonomic and functional nestedness in tropical reef fish faunas. Ecography, 2017, 40, 425-435. | 4.5 | 54 |
| 31 | The biogeography of tropical reef fishes: endemism and provinciality through time. Biological Reviews, 2017, 92, 2112-2130. | 10.4 | 91 |
| 32 | Archipelago Los Roques: A potential baseline for reef fish assemblages in the southern Caribbean. Aquatic Conservation: Marine and Freshwater Ecosystems, 2017, 27, 1116-1132. | 2.0 | 3 |
| 33 | Responses of coral reef fishes to past climate changes are related to lifeâ€history traits. Ecology and Evolution, 2017, 7, 1996-2005. | 1.9 | 15 |
| 34 | Unusual reef fish biomass and functional richness at Malpelo, a remote island in the Tropical Eastern Pacific. Environmental Biology of Fishes, 2017, 100, 149-162. | 1.0 | 21 |
| 35 | Extensions of Island Biogeography Theory predict the scaling of functional trait composition with habitat area and isolation. Ecology Letters, 2017, 20, 135-146. | 6.4 | 58 |
| 36 | Trait structure reveals the processes underlying fish establishment in the Mediterranean. Global Ecology and Biogeography, 2017, 26, 142-153. | 5.8 | 28 |

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| 37 | How accessible are coral reefs to people? A global assessment based on travel time. Ecology Letters, 2016, 19, 351-360. | 6.4 | 97 |
| 38 | Marine reserves lag behind wilderness in the conservation of key functional roles. Nature Communications, 2016, 7, 12000. | 12.8 | 71 |
| 39 | Plate tectonics drive tropical reef biodiversity dynamics. Nature Communications, 2016, 7, 11461. | 12.8 | 136 |
| 40 | Unexpected high vulnerability of functions in wilderness areas: evidence from coral reef fishes. Proceedings of the Royal Society B: Biological Sciences, 2016, 283, 20160128. | 2.6 | 35 |
| 41 | Bright spots among the worldâ€™s coral reefs. Nature, 2016, 535, 416-419. | 27.8 | 394 |
| 42 | Historical and contemporary determinants of global phylogenetic structure in tropical reef fish faunas. Ecography, 2016, 39, 825-835. | 4.5 | 20 |
| 43 | Comparative phylogeography of the western Indian Ocean reef fauna. Acta Oecologica, 2016, 72, 72-86. | 1.1 | 35 |
| 44 | Patterns and processes in reef fish body size. , 2015, , 104-115. | | 19 |
| 45 | Climate change and warmâ€water species at the northâ€western boundary of the Mediterranean Sea. Marine Ecology, 2015, 36, 897-909. | 1.1 | 42 |
| 46 | Shore fishes of the Marquesas Islands, an updated checklist with new records and new percentage of endemic species. Check List, 2015, 11, 1758. | 0.4 | 32 |
| 47 | No detectable effect of lionfish (Pterois volitans and P. miles) invasion on a healthy reef fish assemblage in Archipelago Los Roques National Park, Venezuela. Marine Biology, 2015, 162, 319-330. | 1.5 | 19 |
| 48 | Forecasted coral reef decline in marine biodiversity hotspots under climate change. Global Change Biology, 2015, 21, 2479-2487. | 9.5 | 97 |
| 49 | Niche shift can impair the ability to predict invasion risk in the marine realm: an illustration using Mediterranean fish invaders. Ecology Letters, 2015, 18, 246-253. | 6.4 | 121 |
| 50 | Larval dispersal drives trophic structure across Pacific coral reefs. Nature Communications, 2014, 5, 5575. | 12.8 | 33 |
| 51 | Effects of fishing on fish assemblages in a coral reef ecosystem: From functional response to potential indicators. Ecological Indicators, 2014, 43, 227-235. | 6.3 | 17 |
| 52 | Quaternary coral reef refugia preserved fish diversity. Science, 2014, 344, 1016-1019. | 12.6 | 148 |
| 53 | Functional over-redundancy and high functional vulnerability in global fish faunas on tropical reefs. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, 13757-13762. | 7.1 | 391 |
| 54 | Global mismatch between species richness and vulnerability of reef fish assemblages. Ecology Letters, 2014, 17, 1101-1110. | 6.4 | 78 |

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| 55 | Human-Mediated Loss of Phylogenetic and Functional Diversity in Coral Reef Fishes. Current Biology, 2014, 24, 555-560. | 3.9 | 142 |
| 56 | Extent of Mangrove Nursery Habitats Determines the Geographic Distribution of a Coral Reef Fish in a South-Pacific Archipelago. PLoS ONE, 2014, 9, e105158. | 2.5 | 20 |
| 57 | The challenge of delineating biogeographical regions: nestedness matters for Indoâ€Pacific coral reef fishes. Journal of Biogeography, 2013, 40, 2228-2237. | 3.0 | 32 |
| 58 | Ecological traits and environmental affinity explain <scp>R</scp>ed <scp>S</scp>ea fish introduction into the <scp>M</scp>editerranean. Global Change Biology, 2013, 19, 1373-1382. | 9.5 | 66 |
| 59 | Rare Species Support Vulnerable Functions in High-Diversity Ecosystems. PLoS Biology, 2013, 11, e1001569. | 5.6 | 654 |
| 60 | The Coral Sea. Advances in Marine Biology, 2013, 66, 213-290. | 1.4 | 51 |
| 61 | Adult and larval traits as determinants of geographic range size among tropical reef fishes. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, 16498-16502. | 7.1 | 157 |
| 62 | Global Biogeography of Reef Fishes: A Hierarchical Quantitative Delineation of Regions. PLoS ONE, 2013, 8, e81847. | 2.5 | 181 |
| 63 | Biogeography of Butterflyfishes. , 2013, , 70-106. | | 3 |
| 64 | Does Herbivorous Fish Protection Really Improve Coral Reef Resilience? A Case Study from New Caledonia (South Pacific). PLoS ONE, 2013, 8, e60564. | 2.5 | 37 |
| 65 | Environmental determinants of coral reef fish diversity across several French Polynesian atolls. Comptes Rendus - Biologies, 2012, 335, 417-423. | 0.2 | 5 |
| 66 | Can differences in the structure of larval, juvenile and adult coralâ€reef fish assemblages be detected at the family level?. Austral Ecology, 2012, 37, 374-382. | 1.5 | 3 |
| 67 | Habitats as Surrogates of Taxonomic and Functional Fish Assemblages in Coral Reef Ecosystems: A Critical Analysis of Factors Driving Effectiveness. PLoS ONE, 2012, 7, e40997. | 2.5 | 21 |
| 68 | Functional Redundancy Patterns Reveal Non-Random Assembly Rules in a Species-Rich Marine Assemblage. PLoS ONE, 2011, 6, e26735. | 2.5 | 90 |
| 69 | Factors affecting the detection distances of reef fish: implications for visual counts. Marine Biology, 2011, 158, 969-981. | 1.5 | 88 |
| 70 | Global Human Footprint on the Linkage between Biodiversity and Ecosystem Functioning in Reef Fishes. PLoS Biology, 2011, 9, e1000606. | 5.6 | 249 |
| 71 | Counting coral reef fishes: Interaction between fish life-history traits and transect design. Journal of Experimental Marine Biology and Ecology, 2010, 387, 15-23. | 1.5 | 45 |
| 72 | Baseline study of the spatio-temporal patterns of reef fish assemblages prior to a major mining project in New Caledonia (South Pacific). Marine Pollution Bulletin, 2010, 61, 598-611. | 5.0 | 20 |

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| 73 | Considering multiple-species attributes to understand better the effects of successive changes in protection status on a coral reef fish assemblage. ICES Journal of Marine Science, 2009, 66, 170-179. | 2.5 | 11 |
| 74 | Remote sensing and fishâ€“habitat relationships in coral reef ecosystems: Review and pathways for multi-scale hierarchical research. Marine Pollution Bulletin, 2009, 58, 11-19. | 5.0 | 61 |
| 75 | Hierarchical drivers of reef-fish metacommunity structure. Ecology, 2009, 90, 252-264. | 3.2 | 54 |
| 76 | Assessment of fish trophic status and relationships by stable isotope data in the coral reef lagoon of New Caledonia, southwest Pacific. Aquatic Living Resources, 2008, 21, 1-12. | 1.2 | 42 |
| 77 | The use of fish parasites as biological indicators of anthropogenic influences in coral-reef lagoons: A case study of Apogonidae parasites in New-Caledonia. Marine Pollution Bulletin, 2007, 54, 1697-1706. | 5.0 | 43 |
| 78 | Opening of an MPA to fishing: Natural variations in the structure of a coral reef fish assemblage obscure changes due to fishing. Journal of Experimental Marine Biology and Ecology, 2007, 353, 145-163. | 1.5 | 24 |
| 79 | Medium scale approach (MSA) for improved assessment of coral reef fish habitat. Journal of Experimental Marine Biology and Ecology, 2006, 333, 219-230. | 1.5 | 54 |
| 80 | Towards multidisciplinary indicator dashboards for coral reef fisheries management. Aquatic Living Resources, 2005, 18, 199-213. | 1.2 | 24 |
| 81 | A review of selected indicators of particle, nutrient and metal inputs in coral reef lagoon systems. Aquatic Living Resources, 2005, 18, 125-147. | 1.2 | 32 |
| 82 | Designing indicators for assessing the effects of marine protected areas on coral reef ecosystems: A multidisciplinary standpoint. Aquatic Living Resources, 2005, 18, 15-33. | 1.2 | 86 |
| 83 | Diet composition of carnivorous fishes from coral reef lagoons of New Caledonia. Aquatic Living Resources, 2005, 18, 231-250. | 1.2 | 97 |
| 84 | Trophic signature of coral reef fish assemblages: Towards a potential indicator of ecosystem disturbance. Aquatic Living Resources, 2005, 18, 103-109. | 1.2 | 23 |
| 85 | 6. Basic Principles Underlying Research Projects On The Links Between The Ecology And The Uses Of Coral Reef Fishes In The Pacific. , 2004, , 119-158. | | 2 |
| 86 | Trophic model of lagoonal communities in a large open atoll (Uvea, Loyalty islands, New Caledonia). Aquatic Living Resources, 2004, 17, 151-162. | 1.2 | 41 |
| 87 | A step toward the definition of ecological indicators of the impact of fishing on the fish assemblage of the Abore reef reserve (New Caledonia). Aquatic Living Resources, 2004, 17, 139-149. | 1.2 | 11 |
| 88 | Patterns of Local Distribution of Labroides Dimidiatus in French Polynesian Atolls. Environmental Biology of Fishes, 2002, 63, 9-15. | 1.0 | 4 |
| 89 | Distribution spatiale des stocks de poissons rÃ©cifaux dÃ©mersaux d'intÃ©rÃªt commercial et effort de pÃªche en Province Nord de Nouvelle-CalÃ©donie (Pacifique occidental). Oceanologica Acta: European Journal of Oceanology - Revue Europeene De Oceanologie, 2000, 23, 595-606. | 0.7 | 4 |
| 90 | Estimation des stocks de poisson des lagons de Nouvelle-CalÃ©donieÂ: 1 â€“ Structure et stocks des communautÃ©s des poissons de rÃ©cifs.. Aquatic Living Resources, 2000, 13, 65-76. | 1.2 | 20 |

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| 91 | Commercial fish assemblages on New Caledonian fringing reefs submitted to different levels of ground erosion. Oceanologica Acta: European Journal of Oceanology - Revue Europeene De Oceanologie, 1999, 22, 609-621. | 0.7 | 6 |
| 92 | Comparison of density estimates derived from strip transect and distance sampling for underwater visual censuses: a case study of Chaetodontidae and Pomacanthidae. Aquatic Living Resources, 1999, 12, 315-325. | 1.2 | 65 |
| 93 | Spatial structure of commercial reef fish communities along a terrestrial runoff gradient in the northern lagoon of New Caledonia. Environmental Biology of Fishes, 1998, 51, 141-159. | 1.0 | 41 |
| 94 | How the acquired behaviour of commercial reef fishes may influence the results obtained from visual censuses. Journal of Experimental Marine Biology and Ecology, 1998, 222, 11-30. | 1.5 | 202 |
| 95 | Plankton biomass and production in an open atoll lagoon: Uvea, New Caledonia. Journal of Experimental Marine Biology and Ecology, 1997, 212, 187-210. | 1.5 | 30 |
| 96 | Checklist of the shorefishes of Ouvea Atoll New Caledonia. Atoll Research Bulletin, 1997, 444, 1-26. | 0.2 | 9 |