

Mehdi Adjeroud

List of Publications by Year in descending order

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Version: 2024-02-01

81
papers

3,263
citations

126907

33
h-index

161849

54
g-index

85
all docs

85
docs citations

85
times ranked

2823
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|---|------|-----------|
| 1 | Predator Crown-of-Thorns Starfish (<i>Acanthaster planci</i>) Outbreak, Mass Mortality of Corals, and Cascading Effects on Reef Fish and Benthic Communities. <i>PLoS ONE</i> , 2012, 7, e47363. | 2.5 | 258 |
| 2 | Recurrent disturbances, recovery trajectories, and resilience of coral assemblages on a South Central Pacific reef. <i>Coral Reefs</i> , 2009, 28, 775-780. | 2.2 | 219 |
| 3 | Social“environmental drivers inform strategic management of coral reefs in the Anthropocene. <i>Nature Ecology and Evolution</i> , 2019, 3, 1341-1350. | 7.8 | 175 |
| 4 | Early post-settlement mortality and the structure of coral assemblages. <i>Marine Ecology - Progress Series</i> , 2010, 408, 55-64. | 1.9 | 148 |
| 5 | Innate Immune Responses of a Scleractinian Coral to Vibriosis. <i>Journal of Biological Chemistry</i> , 2011, 286, 22688-22698. | 3.4 | 101 |
| 6 | Thermal regime and host clade, rather than geography, drive Symbiodinium and bacterial assemblages in the scleractinian coral <i>Pocillopora damicornis</i> sensu lato. <i>Microbiome</i> , 2018, 6, 39. | 11.1 | 100 |
| 7 | Coral bleaching under thermal stress: putative involvement of host/symbiont recognition mechanisms. <i>BMC Physiology</i> , 2009, 9, 14. | 3.6 | 99 |
| 8 | Physiological responses of the scleractinian coral <i>Pocillopora damicornis</i> to bacterial stress from <i>Vibrio coralliilyticus</i> . <i>Journal of Experimental Biology</i> , 2011, 214, 1533-1545. | 1.7 | 93 |
| 9 | Recovery of coral assemblages despite acute and recurrent disturbances on a South Central Pacific reef. <i>Scientific Reports</i> , 2018, 8, 9680. | 3.3 | 93 |
| 10 | Patterns of genetic variation do not correlate with geographical distance in the reef-building coral <i>Pocillopora meandrina</i> in the South Pacific. <i>Molecular Ecology</i> , 2005, 14, 1861-1868. | 3.9 | 86 |
| 11 | Crucial knowledge gaps in current understanding of climate change impacts on coral reef fishes. <i>Journal of Experimental Biology</i> , 2010, 213, 894-900. | 1.7 | 82 |
| 12 | Thermal Stress Triggers Broad <i>Pocillopora damicornis</i> Transcriptomic Remodeling, while <i>Vibrio coralliilyticus</i> Infection Induces a More Targeted Immuno-Suppression Response. <i>PLoS ONE</i> , 2014, 9, e107672. | 2.5 | 80 |
| 13 | Persistence and Change in Community Composition of Reef Corals through Present, Past, and Future Climates. <i>PLoS ONE</i> , 2014, 9, e107525. | 2.5 | 75 |
| 14 | High resilience masks underlying sensitivity to algal phase shifts of Pacific coral reefs. <i>Oikos</i> , 2016, 125, 644-655. | 2.7 | 74 |
| 15 | Spatio-temporal heterogeneity in coral recruitment around Moorea, French Polynesia: Implications for population maintenance. <i>Journal of Experimental Marine Biology and Ecology</i> , 2007, 341, 204-218. | 1.5 | 70 |
| 16 | Factors influencing spatial patterns on coral reefs around Moorea, French Polynesia. <i>Marine Ecology - Progress Series</i> , 1997, 159, 105-119. | 1.9 | 70 |
| 17 | High spatial variability in coral bleaching around Moorea (French Polynesia): patterns across locations and water depths. <i>Comptes Rendus - Biologies</i> , 2007, 330, 171-181. | 0.2 | 64 |
| 18 | Natural disturbances and interannual variability of coral reef communities on the outer slope of Tiahura (Moorea, French Polynesia): 1991 to 1997. <i>Marine Ecology - Progress Series</i> , 2002, 237, 121-131. | 1.9 | 63 |

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|----|--|-----|-----------|
| 19 | Genetic diversity, clonality and connectivity in the scleractinian coral <i>Pocillopora damicornis</i> : a multi-scale analysis in an insular, fragmented reef system. <i>Marine Biology</i> , 2014, 161, 531-541. | 1.5 | 52 |
| 20 | Landscape-scale variation in coral recruitment in Moorea, French Polynesia. <i>Marine Ecology - Progress Series</i> , 2010, 414, 75-89. | 1.9 | 52 |
| 21 | Sexual reproduction of <i>Acropora</i> reef corals at Moorea, French Polynesia. <i>Coral Reefs</i> , 2006, 25, 93-97. | 2.2 | 48 |
| 22 | Reef structure regulates small-scale spatial variation in coral bleaching. <i>Marine Ecology - Progress Series</i> , 2008, 370, 127-141. | 1.9 | 48 |
| 23 | Human-induced physical disturbances and their indicators on coral reef habitats: A multi-scale approach. <i>Aquatic Living Resources</i> , 2005, 18, 215-230. | 1.2 | 47 |
| 24 | Effects of predators and grazers exclusion on early post-settlement coral mortality. <i>Hydrobiologia</i> , 2011, 663, 259-264. | 2.0 | 46 |
| 25 | Response of coral assemblages to thermal stress: are bleaching intensity and spatial patterns consistent between events?. <i>Environmental Monitoring and Assessment</i> , 2013, 185, 5031-5042. | 2.7 | 46 |
| 26 | Searching for the best bet in life-strategy: A quantitative approach to individual performance and population dynamics in reef-building corals. <i>Ecological Complexity</i> , 2015, 23, 73-84. | 2.9 | 46 |
| 27 | Detecting the effects of natural disturbances on coral assemblages in French Polynesia: A decade survey at multiple scales. <i>Aquatic Living Resources</i> , 2005, 18, 111-123. | 1.2 | 45 |
| 28 | Associational refuges among corals mediate impacts of a crown-of-thorns starfish <i>Acanthaster planci</i> outbreak. <i>Coral Reefs</i> , 2011, 30, 827-837. | 2.2 | 43 |
| 29 | Development of coral and zooxanthella-specific microsatellites in three species of <i>Pocillopora</i> (Cnidaria, Scleractinia) from French Polynesia. <i>Molecular Ecology Notes</i> , 2004, 4, 206-208. | 1.7 | 42 |
| 30 | Small-scale variability in the size structure of scleractinian corals around Moorea, French Polynesia: patterns across depths and locations. <i>Hydrobiologia</i> , 2007, 589, 117-126. | 2.0 | 41 |
| 31 | Spatial structure of coral reef fish communities in the Ryukyu Islands, southern Japan. <i>Oceanologica Acta: European Journal of Oceanology - Revue Europeene De Oceanologie</i> , 2003, 26, 537-547. | 0.7 | 39 |
| 32 | Protists Within Corals: The Hidden Diversity. <i>Frontiers in Microbiology</i> , 2018, 9, 2043. | 3.5 | 39 |
| 33 | Assessing key ecosystem functions through soundscapes: A new perspective from coral reefs. <i>Ecological Indicators</i> , 2019, 107, 105623. | 6.3 | 36 |
| 34 | Quantifying the shelter capacity of coral reefs using photogrammetric 3D modeling: From colonies to reefscales. <i>Ecological Indicators</i> , 2021, 121, 107151. | 6.3 | 35 |
| 35 | A review of selected indicators of particle, nutrient and metal inputs in coral reef lagoon systems. <i>Aquatic Living Resources</i> , 2005, 18, 125-147. | 1.2 | 32 |
| 36 | Factors influencing spatial distribution of fish communities on a fringing reef at Mauritius, S.W. Indian Ocean. <i>Environmental Biology of Fishes</i> , 1998, 53, 169-182. | 1.0 | 31 |

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|----|--|-----|-----------|
| 37 | Relative importance of recruitment and post-settlement processes in the maintenance of coral assemblages in an insular, fragmented reef system. <i>Marine Ecology - Progress Series</i> , 2013, 473, 149-162. | 1.9 | 31 |
| 38 | Post-settlement growth and mortality rates of juvenile scleractinian corals in Moorea, French Polynesia versus Trunk Reef, Australia. <i>Marine Ecology - Progress Series</i> , 2013, 488, 157-170. | 1.9 | 31 |
| 39 | Genetic connectivity of the coral-eating sea star <i>Acanthaster planci</i> during the severe outbreak of 2006–2009 in the Society Islands, French Polynesia. <i>Marine Ecology</i> , 2015, 36, 668-678. | 1.1 | 30 |
| 40 | Importance of Recruitment Processes in the Dynamics and Resilience of Coral Reef Assemblages. , 2017, , 549-569. | | 28 |
| 41 | Physical factors of differentiation in macrobenthic communities between atoll lagoons in the Central Tuamotu Archipelago (French Polynesia). <i>Marine Ecology - Progress Series</i> , 2000, 196, 25-38. | 1.9 | 27 |
| 42 | Spatial patterns and recruitment processes of coral assemblages among contrasting environmental conditions in the southwestern lagoon of New Caledonia. <i>Marine Pollution Bulletin</i> , 2010, 61, 375-386. | 5.0 | 24 |
| 43 | Small-Scale Habitat Structure Modulates the Effects of No-Take Marine Reserves for Coral Reef Macroinvertebrates. <i>PLoS ONE</i> , 2013, 8, e58998. | 2.5 | 22 |
| 44 | Natural spatial variability of algal endosymbiont density in the coral <i>Acropora globiceps</i> : a small-scale approach along environmental gradients around Moorea (French Polynesia). <i>Journal of the Marine Biological Association of the United Kingdom</i> , 2014, 94, 65-74. | 0.8 | 21 |
| 45 | Juvenile corals underpin coral reef carbonate production after disturbance. <i>Global Change Biology</i> , 2021, 27, 2623-2632. | 9.5 | 21 |
| 46 | Spatial Patterns and Short-term Changes of Coral Assemblages Along a Cross-shelf Gradient in the Southwestern Lagoon of New Caledonia. <i>Diversity</i> , 2019, 11, 21. | 1.7 | 19 |
| 47 | Which Method for Which Purpose? A Comparison of Line Intercept Transect and Underwater Photogrammetry Methods for Coral Reef Surveys. <i>Frontiers in Marine Science</i> , 2021, 8, . | 2.5 | 19 |
| 48 | Spatial patterns of benthic invertebrate assemblages within atoll lagoons: importance of habitat heterogeneity and considerations for marine protected area design in French Polynesia. <i>Aquatic Living Resources</i> , 2006, 19, 207-217. | 1.2 | 18 |
| 49 | Critical Information Gaps Impeding Understanding of the Role of Larval Connectivity Among Coral Reef Islands in an Era of Global Change. <i>Frontiers in Marine Science</i> , 2018, 5, . | 2.5 | 18 |
| 50 | Spatial variability of the biogeochemical composition of surface sediments in an insular coral reef ecosystem: Moorea, French Polynesia. <i>Estuarine, Coastal and Shelf Science</i> , 2004, 60, 515-528. | 2.1 | 17 |
| 51 | Temperature affects the reproductive outputs of coral-eating starfish <i>Acanthaster</i> spp. after adult exposure to near-future ocean warming and acidification. <i>Marine Environmental Research</i> , 2020, 162, 105164. | 2.5 | 17 |
| 52 | Citizen Science, a promising tool for detecting and monitoring outbreaks of the crown-of-thorns starfish <i>Acanthaster</i> spp.. <i>Scientific Reports</i> , 2020, 10, 291. | 3.3 | 16 |
| 53 | The size-structure of corals with contrasting life-histories: A multi-scale analysis across environmental conditions. <i>Marine Environmental Research</i> , 2015, 112, 131-139. | 2.5 | 13 |
| 54 | Multiscale variability in coral recruitment in the Mascarene Islands: From centimetric to geographical scale. <i>PLoS ONE</i> , 2019, 14, e0214163. | 2.5 | 13 |

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|----|---|-----|-----------|
| 55 | Objectives and background to the 1994 Franco-Australian expedition to Taiaro Atoll (Tuamotu) Tj ETQq1 1 0.784314 rgBT / Overlock 10 | 2.2 | 12 |
| 56 | Lime Juice and Vinegar Injections as a Cheap and Natural Alternative to Control COTS Outbreaks. PLoS ONE, 2015, 10, e0137605. | 2.5 | 12 |
| 57 | R partition spatiale des Chaetodontidae dans diff rents secteurs r cifaux de l le de Moorea, Polyn sie fran saise. Ecoscience, 1995, 2, 129-140. | 1.4 | 11 |
| 58 | Timing within the reproduction cycle modulates the efficiency of village-based crown-of-thorns starfish removal. Biological Conservation, 2016, 204, 237-246. | 4.1 | 9 |
| 59 | Bias associated with the detectability of the coral-eating pest crown-of-thorns seastar and implications for reef management. Royal Society Open Science, 2017, 4, 170396. | 2.4 | 9 |
| 60 | Diversity, structure and demography of coral assemblages on underwater lava flows of different ages at Reunion Island and implications for ecological succession hypotheses. Scientific Reports, 2020, 10, 20821. | 3.3 | 9 |
| 61 | Coral reef fish assemblages at Clipperton Atoll (Eastern Tropical Pacific) and their relationship with coral cover. Scientia Marina, 2016, 80, 479. | 0.6 | 9 |
| 62 | Gene expression plasticity and frontloading promote thermotolerance in Pocillopora corals. , 0, 2, . | | 9 |
| 63 | Underwater photogrammetry reveals new links between coral reefscape traits and fishes that ensure key functions. Ecosphere, 2022, 13, . | 2.2 | 7 |
| 64 | Scaling up calcification, respiration, and photosynthesis rates of six prominent coral taxa. Ecology and Evolution, 2022, 12, e8613. | 1.9 | 7 |
| 65 | Reefs at the edge: coral community structure around Rapa, southernmost French Polynesia. Marine Ecology, 2016, 37, 565-575. | 1.1 | 6 |
| 66 | Unexplored Refugia with High Cover of Scleractinian Leptoseris spp. and Hydrocorals Stylaster flabelliformis at Lower Mesophotic Depths (75 100 m) on Lava Flows at Reunion Island (Southwestern) Tj ETQq1 0 0 rgBT / Overlock 10 | 0.0 | 6 |
| 67 | Coral assemblages in Tonga: spatial patterns, replenishment capacities, and implications for conservation strategies. Environmental Monitoring and Assessment, 2013, 185, 5763-5773. | 2.7 | 5 |
| 68 | Localised and limited impact of a dredging operation on coral cover in the northwestern lagoon of New Caledonia. Marine Pollution Bulletin, 2016, 105, 208-214. | 5.0 | 4 |
| 69 | Ephemeral and Localized Outbreaks of the Coral Predator cf. in the Southwestern Lagoon of New Caledonia. Zoological Studies, 2018, 57, e4. | 0.3 | 4 |
| 70 | Impact of near-future ocean warming and acidification on the larval development of coral-eating starfish Acanthaster cf. solaris after parental exposure. Journal of Experimental Marine Biology and Ecology, 2022, 548, 151685. | 1.5 | 4 |
| 71 | The war of corals: patterns, drivers and implications of changing coral competitive performances across reef environments. Royal Society Open Science, 2022, 9, . | 2.4 | 4 |
| 72 | Title is missing!. Hydrobiologia, 1997, 356, 11-19. | 2.0 | 3 |

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|----|--|-----|-----------|
| 73 | High latitude, high coral diversity at Rapa, in southernmost French Polynesia. <i>Coral Reefs</i> , 2009, 28, 459-459. | 2.2 | 3 |
| 74 | Recent and old duplications in crustaceans α -Internal Transcribed Spacer 1 ³ : structural and phylogenetic implications. <i>Molecular Biology Reports</i> , 2019, 46, 5185-5195. | 2.3 | 3 |
| 75 | Two Hidden mtDNA-Clades of Crown-of-Thorns Starfish in the Pacific Ocean. <i>Frontiers in Marine Science</i> , 2022, 9, . | 2.5 | 3 |
| 76 | Extension of the known distribution of the scleractinian coral <i>Leptoseris troglodyta</i> to the southwestern Indian Ocean: new record from mesophotic caves in Mayotte. <i>Bulletin of Marine Science</i> , 2020, 96, 783-784. | 0.8 | 2 |
| 77 | Spatial Patterns of Coral Community Structure in the Toliara Region of Southwest Madagascar and Implications for Conservation and Management. <i>Diversity</i> , 2021, 13, 486. | 1.7 | 2 |
| 78 | The chaotic history of using vinegar injections to control <i>Acanthaster</i> spp. populations. A comment to Boström-Einarsson L., Bonin M. C., Moon S. and Firth S. (2018). Environmental impact monitoring of household vinegar-injections to cull crown-of-thorns starfish, <i>Acanthaster</i> spp. <i>Ocean & Coastal Management</i> 155: 83-89. <i>Ocean and Coastal Management</i> , 2018, 165, 434-435. | 4.4 | 0 |
| 79 | Multi-species consumer jams and the fall of guarded corals to crown-of-thorns seastar outbreaks. <i>F1000Research</i> , 2017, 6, 1991. | 1.6 | 0 |
| 80 | Multi-species consumer jams and the fall of guarded corals to crown-of-thorns seastar outbreaks. <i>F1000Research</i> , 2017, 6, 1991. | 1.6 | 0 |
| 81 | Spatial and temporal patterns in the coral assemblage at Clipperton Atoll: a sentinel reef in the Eastern Tropical Pacific. <i>Coral Reefs</i> , 0, , . | 2.2 | 0 |