

- Aaron O'Dea, Mauro Lepore, Andrew H. Altieri, Melisa Chan, Nicté-ha Muñoz, John M. Pandolfi, Jian-xin Zhao, and Erin M. Dillon. 2020. Defining variation in pre-human ecosystems can guide conservation: An example from a Caribbean coral reef. *Scientific Reports*.
- Leonard, N.D., Lepore, M.L., Zhao, J-x., Rodriguez-Ramirez, A., Butler, I., Clark, T.R., Roff, G., McCook, L., Nguyen, A.D., Feng, Y-x., Pandolfi, J.M. 2020. A U-Th dating approach to understanding past coral reef dynamics and geomorphological constraints on future reef growth potential; Mazie Bay, Southern Great Barrier Reef. *Paleoceanography and Paleoclimatology*, 35, e2019PA003768.
- Geraldi, Nathan; Anton, Andrea; Santana-Garcon, Julia; Bennet, Scott; Marbà, Núria; Lovelock, Catherine; Apostolaki, Eugenia; Cebrian, Just; Krause-Jensen, Dorte; Martinetto, Paulina; Pandolfi, John; Duarte, Carlos. 2020. Ecological effects of non-native species in marine ecosystems relate to co-occurring anthropogenic pressures. *Global Change Biology* 26: 1248-1258.
- K. L. Cramer, J. B. C. Jackson, M. K. Donovan, B. J. Greenstein, C. A. Korpany, G. M. Cook, J. M. Pandolfi. 2020. Widespread loss of Caribbean acroporid corals was underway before coral bleaching and disease outbreaks. *Sci. Adv.* 6, eaax9395.
- Bryony Caswell<sup>1,2\*</sup>, Emily S. Klein<sup>3\*</sup>, Ruth H. Thurstan<sup>4\*</sup>, Heidi Alleway<sup>5</sup>, Max Cardinale<sup>6</sup>, Margit Eero<sup>7</sup>, Georg H. Engelhard<sup>8,9</sup>, Tomaso Fortibuoni<sup>10</sup>, Jonas Hentati-Sundberg<sup>11</sup>, Peter Jones<sup>12</sup>, Jack Kittinger<sup>13</sup>, Gesche Krause<sup>14</sup>, Ann-Katrien Lescrauwaet<sup>15</sup>, Brian MacKenzie<sup>16</sup>, Matthew McKenzie<sup>17</sup>, Henn Ojaveer<sup>18</sup>, John M. Pandolfi<sup>19</sup>, Saša Raicevich<sup>20</sup>, Andreas Sundelöf<sup>21</sup>, Robert Thorpe<sup>22</sup>. 2020. Something old, something new: historical perspectives provide lessons for blue growth agendas. *Fish and Fisheries* 21: 774-796. DOI: 10.1111/faf.12460.
- Sampayo E.M., Roff G., Sims C., Rachello-Dolmen P., Pandolfi J.M. 2020. Patch size drives settlement success and spatial distribution of coral larvae under space limitation. *Coral Reefs* 39: 387-396.
- Lovelock, C.E., Ruth Reef, John A. Raven, and John M. Pandolfi. 2020. Regional variation in  $\delta^{13}\text{C}$  of coral reef macroalgae. *Limnology & Oceanography*.
- Blanckaert, A.C.A., Ruth Reef, John M. Pandolfi, and Catherine E. Lovelock. 2020. Variation in the elemental stoichiometry of the coral-zooxanthellae symbiosis. *Coral Reefs*.
- DeCarlo, T.M., L. Gajdzik, J. Ellis, D. J. Coker, M. B. Roberts, N. M. Hammerman, J. M. Pandolfi, A. A. Monroe, M. L. Berumen. 2020. Nutrient-supplying ocean currents modulate coral bleaching susceptibility. *Sci. Adv.* 6, eabc5493.
- Leonard, N.D., Lepore, M.L., Zhao, J-x., Rodriguez-Ramirez, A., Butler, I.R., Clark, T.R., Roff, G., McCook, L., Nguyen, A.D., Feng, Y-x., Pandolfi, J.M. 2020. Re-evaluating mid-Holocene reef "turn-off" on the inshore Southern Great Barrier Reef. *Quaternary Science Reviews* 244, 106518.
- Pandolfi, J.M.\*, Staples, T.L.\*, and Kiessling, W. 2020. Increased extinction in the emergence of novel ecological communities. *Science* 370: 220-222.

\* Joint first authors

Cant, James; Salguero-Gómez, Roberto; Kim, Sun; Sims, Carrie; Sommer, Brigitte; Brooks, Maxime; Malcolm, Hamish; Pandolfi, John; Beger, Maria. 2020. The projected degradation of

subtropical coral assemblages by recurrent thermal stress. *Journal of Animal Ecology* (published online 13 Sep 2020).

Quan Hua, Sean Ulm, Kefu Yu, Tara R. Clark, Luke D. Nothdurft, Nicole D. Leonard, John M. Pandolfi, Geraldine E. Jacobsen, Jian-xin Zhao. *accepted*. Temporal variability in the Holocene marine radiocarbon reservoir effect for the Tropical and South Pacific. *Quaternary Science Reviews* (20 Sep 2020).

Jennifer M. Donelson, Jennifer M. Sunday, Will Figueira, Juan Diego Gaitan-Espitia, Alistair J. Hobday, Craig R. Johnson, Jeffrey M. Leis, Scott Ling, Dustin Marshall, John M. Pandolfi, Gretta Pecl, Giverny G. Rodgers, David J. Booth and Philip L. Munday. 2019. Understanding interactions between plasticity, adaptation and range shifts in response to marine environmental change. *Phil. Trans. R. Soc. B* **374**: 20180186.

Eric D. Crandall, Cynthia Riginos, Chris Bird, Libby Liggins, Eric Trembl, Maria Beger, Paul H. Barber, Sean Connolly, Peter Cowman, Joseph D. DiBattista, Jeff A. Eble, Sharon F. Magnuson, John B. Horne, Marc Kochzius, Harilaos A. Lessios, Shang Yin Vanson Liu, William B. Ludt, Hawis Madduppa, John M. Pandolfi, Robert J. Toonen, Contributing Members of the Diversity of the Indo-Pacific Network, and Michelle R. Gaither (2019). The molecular biogeography of the Indo-Pacific: Testing hypotheses with multispecies genetic patterns. *Global Ecology and Biogeography*: 1–18.

Del Carmen Gomez Cabrera, M., Young, J. M., Roff, G., Staples, T., Ortiz, J. C., Pandolfi, J. M.\* & Cooper, A.\* (2019). Broadening the taxonomic scope of coral reef palaeoecological studies using ancient DNA. *Molecular Ecology*, 28(10), 2636–2652.

*\* Joint senior authors*

Buckley SM, McClanahan TR, Quintana Morales EM, Mwakha V, Nyanapah J, Otway LM, et al. (2019) Identifying species threatened with local extinction in tropical reef fisheries using historical reconstruction of species occurrence. *PLoS ONE* 14(2): e0211224.

Andrea Anton, Nathan R. Galdi, Catherine E. Lovelock, Eugenia T. Apostolaki, Scott Bennett, Just Cebrian, Dorte Krause-Jensen, Nuria Marbà, Paulina Martinetto, John M. Pandolfi, Julia Santana-Garcon, and Carlos M. Duarte. 2019. Global ecological impacts of marine exotic species. *Nature Ecology and Evolution*.

Bellwood, D. R., Pratchett, M. S., Morrison, T. H., Gurney, G. G., Hughes, T. P., Álvarez-Romero, J. G., et al. (2019). Coral reef conservation in the Anthropocene: Confronting spatial mismatches and prioritizing functions. *Biological Conservation*, 236, 604–615.

Kerrie A. Fraser, Vanessa M. Adams, Robert L. Pressey, John M. Pandolfi. 2019. Impact evaluation and conservation outcomes in marine protected areas: A case study of the Great Barrier Reef Marine Park. *Biological Conservation* (19 July). Volume 238, 108185, ISSN 0006-3207.

Darling, E. S., McClanahan, T. R., Maina, J., Gurney, G. G., Graham, N. A. J., Januchowski-Hartley, F., et al. (2019). Social-environmental drivers inform strategic management of coral reefs in the Anthropocene. *Nature Ecology & Evolution*, 14(4), 490.

Sun W. Kim, Eugenia M. Sampayo, Carrie A. Sims, Brigitte Sommer, Maria del C. Gómez-Cabrera, Steve J. Dalton, Maria Beger, Hamish Malcolm, Renata Ferrari, Nicola Fraser, Will Figueira, Stephen D. A. Smith, Scott F. Heron, Andrew H. Baird, Maria Byrne, C. Mark Eakin, Robert Edgar, Terry P. Hughes, Nicole Kyriacou, Gang Liu, Paloma A. Matis, William J. Skirving, John

- M. Pandolfi. 2019. Refugia under threat: Mass bleaching of coral assemblages in high-latitude eastern Australia. *Global Change Biol.* 25: 3918–3931.
- Leonard, N. D., Welsh, K. J., Nguyen, A. D., Sadler, J., Pandolfi, J. M., Clark, T. R., Zhao, J. X., Feng, Y. X., & Webb, G. E. (2019). High resolution geochemical analysis of massive *Porites* spp. corals from the Wet Tropics, Great Barrier Reef: rare earth elements, yttrium and barium as indicators of terrigenous input. *Marine Pollution Bulletin*, 149 (September).
- Veglia AJ, Hammerman NM, Rivera-Vicens RE, Schizas NV (2018). De novo transcriptome assembly of the mesophotic plating coral *Agaricia lamarcki* from Puerto Rico. *Marine Genomics*. doi:10.1016/j.margen.2018.08.003. [PDF](#).
- Garcia-Hernandez JE\*, Sanchez PJ\*, Hammerman NM, Schizas NV (2018). Fish, coral, and sponge assemblages associated with altiphotic and mesophotic reefs along the Guánica Biosphere Reserve continental shelf edge, southwest Puerto Rico. *Frontiers in Marine Science*, doi: 10.3389/fmars.2018.00303. [PDF](#).
- Zwiep KL, Hennekam R, Donders TH, van Helmond NAGM, de Lange GJ, Sangiorgi F (2018). Marine Productivity, water column processes and seafloor anoxia in relation to Nile discharge during sapropels S1 and S3. *Quaternary Science Reviews* 200, 178-190. [PDF](#).
- Bonebrake *et al.* 2018. Managing consequences of climate-driven species redistribution requires integration of ecology, conservation and social science. *Biological Reviews*. 93: 284-305. [PDF](#).
- Brito-Morales, I. Molinos, J.G., Schoeman, D.S., Burrows, M.T., Poloczanska, E.S., Brown, C.J., Ferrier, S., Hardwood, T.D., Klein, C.J., MacDonald-Madden, E., Moore, P.J., Pandolfi, J.M., Watson, J.E.M., Wenger, A.S. and Richardson, A.J. 2018. Climate Velocity Can Inform Conservation in a Warming World. *Trends in Ecology and Evolution*. 33: 441-457. [PDF](#).
- Hughes *et al.* 2018. Spatial and temporal patterns of mass bleaching of corals in the Anthropocene. *Science*. 359: 80-83. [PDF](#).
- Kim, S.W., Blomberg, S.P. and Pandolfi, J.M. 2018. Transcending data gaps: a framework to reduce inferential errors in ecological analyses. *Ecology Letters*. doi: 10.1111/ele.13089. [PDF](#).
- Leonard, N.D., Welsh, K.J., Clark, T.R., Feng, Y.-x., Pandolfi, J.M. and Zhao, J.-x. 2018. New evidence for “far-field” Holocene sea level oscillations and links to global climate records. *Earth and Planetary Science Letters*. 487: 67-73. [PDF](#).
- Sommer, B., Beger, M., Harrison, P.L., Babcock, R.C. and Pandolfi, J.M. 2018. Differential response to abiotic stress controls species distributions at biogeographic transition zones. *Ecography*, 41: 478-490. [PDF](#).
- Thurstan, R., Buckley, S.M. and Pandolfi, J.M. 2018. Trends and transitions observed in an iconic recreational fishery across 140 years. *Global Environmental Change*. 52: 22-36. [PDF](#).
- Veglia AJ, Hammerman NM, Rivera Rosaly CR, Lucas M, Galindo- Estronza A, Corgosinho PH, Schizas NV (2018). Characterizing population structure of coral-associated fauna from mesophotic and shallow habitats in the Caribbean. *Journal of the Marine Biological Association of the United Kingdom*, doi: 10.1017/S0025315418000413. [PDF](#)

- Buckley, S. M., Thurstan, R. H., Tobin, A., & Pandolfi, J. M. 2017. Historical spatial reconstruction of a spawning aggregation fishery. *Conservation Biology: the Journal of the Society for Conservation Biology*. doi: 10.1111/cobi.12940. PDF.
- Lauchstedt, Andreas, Pandolfi, John M. and Kiessling, Wolfgang (2017) Towards a new paleotemperature proxy from reef coral occurrences. *Scientific Reports*, 7. doi:10.1038/s41598-017-10961-3
- Carilli, J. E., Hartmann, A. C., Heron, S. F., Pandolfi, J. M., Cobb, K., Sayani, H., Robert Dunbar, Stuart Sandin (2017). Porites coral response to an oceanographic and human impact gradient in the Line Islands. *Limnol. Oceanogr.* 62, 2850–2863. <http://doi.org/10.1002/lno.10670>
- Clark, T. R., Roff, G., Zhao, J., Feng, Y., Done, T. J., McCook, L. J. & Pandolfi, J. M. 2017. U-Th dating reveals regional scale decline of branching *Acropora* corals on the Great Barrier Reef over the past century. *PNAS*. doi:10.1073/pnas.1705351114. PDF.
- Fraser, K. A., Adams, V. M., Pressey, R. L. & Pandolfi, J. M. 2017. Purpose, policy, and practice: Intent and reality for on-ground management and outcomes of the Great Barrier Reef Marine Park. *Marine Policy*, 81: 301–311. doi:10.1016/j.marpol.2017.03.039. PDF.
- Hughes, T. P., et al. 2017. Global warming and recurrent mass bleaching of corals. *Nature*, 543, 373–377. PDF.
- Madden, R. H. C., Wilson, M. E. J., Mihaljević, M., Pandolfi, J. M. & Welsh, K. 2017. Unravelling the depositional origins and diagenetic alteration of carbonate breccias. *Sedimentary Geology*, 357, 33–52. PDF.
- McClenachan, L., O'Connor, G., Neal, B. P., Pandolfi, J. M. & Jackson, J. B.C. 2017. Ghost reefs: Nautical charts document large spatial scale of coral reef loss over 240 years, *Science Advances*, 3. doi: e1603155. PDF.
- Mihaljević, M., Korpanty, C., Renema, W., Welsh, K. & Pandolfi, J. M. 2017. Identifying patterns and drivers of coral diversity in the Central Indo-Pacific marine biodiversity hotspot. doi: <https://doi.org/10.1017/pab.2017.1>. PDF.
- Pecl, G. T., et al. 2017. Biodiversity redistribution under climate change: Impacts on ecosystems and human well-being. *Science*, 355, doi: 10.1126/science.aai9214. PDF.
- Prazeres, M., Ainsworth, T., Roberts, T. E., Pandolfi, J. M. & Leggat, W. 2017. Symbiosis and microbiome flexibility in calcifying benthic foraminifera of the Great Barrier Reef. *Microbiome*. 5:38. doi: 10.1186/s40168-017-0257-7. PDF.
- Prazeres, M., Roberts, T. E. & Pandolfi, J. M. 2017. Shifts in species abundance of large benthic foraminifera Amphistegina: the possible effects of Tropical Cyclone Ita. *Coral Reefs*. 36:305–309. doi: 10.1007/s00338-016-1497-x. PDF.
- Prazeres, M., Roberts, T. E. & Pandolfi, J. M. 2017. Variation in sensitivity of large benthic Foraminifera to the combined effects of ocean warming and local impacts. *Scientific Reports*. doi: 10.1038/srep45227. PDF.
- Reef, R., Samper-Villarreal, J., Adame, M. F., Lovelock, C. E., Sampayo, E, M. & Atwood, T. B. (in press). Using eDNA to determine organic matter sources in seagrass meadows. *Limnology & Oceanography*. 62, 1254–1265. PDF.

- Sommer, B., Sampayo, E. M., Beger, M., Harrison, P. L., Babcock, R. C. & Pandolfi, J. M. 2017. Local and regional controls of phylogenetic structure at the high-latitude range limits of corals. *Proceedings of the Royal Society B*. doi: 10.1098/rspb.2017.0915. PDF.
- Thurstan, R., Game, E. & Pandolfi, J. M. 2017. Popular media records reveal multi-decadal trends in recreational fishing catch rates. *PLoS ONE*. 12(8): e0182345. PDF.
- Tonk, L., Sampayo, E. M., Chai, A., Schrameyer, V., Hoegh-Guldberg, O. 2017. Symbiodinium (dinophyceae) community patterns in invertebrate hosts from inshore marginal reefs of the southern Great Barrier Reef, Australia. *Journal of Phycology*, 53, 589-600. doi: 10.1111/jpy.12523. PDF.
- Boon, P. Y. and Beger, M. 2016. The effect of contrasting threat mitigation objectives on spatial conservation priorities. *Marine Policy*. Volume 68, 23–29.
- Brown, C. J., O'Connor, M. I., Poloczanska, E. S., Schoeman, D. S., Buckley, L. B., Burrows, M. T., Duarte, C. M., Halpern, B. S., Pandolfi, J. M., Parmesan, C., Richardson, A. J. 2016. Ecological and methodological drivers of species' distribution and phenology responses to climate change. *Global Change Biology*. 22, 1548–1560, doi: 10.1111/gcb.13184. PDF
- Clark, T. R. Leonard, N. D., Zhao, J., Brodi, J., McCook, L. J., Wachenfeld, D. R., Nguyen, A. D., Markham, H. L. and Pandolfi, J. M. 2016. Historical photographs revisited: A case study for dating and characterizing recent loss of coral cover on the inshore Great Barrier Reef. *Sci. Rep.* 6, 19285; doi: 10.1038/srep19285. PDF
- Leonard, N. D., Zhao, J., Welsh, K. J., Feng, Y., Smithers, S. G., Pandolfi, J. M. and Clark, T. R. 2016. Holocene sea level instability in the southern Great Barrier Reef, Australia: high-precision U–Th dating of fossil microatolls. *Coral Reefs*. DOI 10.1007/s00338-015-1384-x. PDF
- Madin, J. S., Anderson, K. D., Andreasen, M., Bridge, T., Cairns, S. D., Connolly, S. R., Darling, E., Diaz, M., Falster, D., Franklin, E., Gates, R. H., Hoogenboom, M. O., Huang, D., Keith, S. A., Kosnik, M., Kuo, C-Y., Lough, J. M., Lovelock, C. E., Luiz, J., Martinelli, J., Mizerek, T., Pandolfi, J. M., Pochon, X., Pratchett, M. S., Putnam, H., Roberts, T. E., Stat, M., Wallace, C. C., Widman, E. and Baird, A. H. 2016. The Coral Trait Database, a curated database of trait information for coral species from the global oceans. *Scientific Data*, 3, 160017. <http://doi.org/10.1038/sdata.2016.17>. PDF
- Madin, J. S., Hoogenboom, M. O., Connolly, S. R., Darling, E., Falster, D., Huang, D., Keith, S., Mizerek, T., Pandolfi, J. M., Putnam, H. and Baird, A. H. 2016. *accepted*. A trait-based approach to advance coral reef science. *Trends in Ecology & Evolution*. PDF
- Madin, J., Allen, A., Baird, A. H., Pandolfi, J. M. and Sommer, B. 2016. Scope for latitudinal extension of reef corals is species specific. *Frontiers of Biogeography* 8.1, e29328, 2016. PDF
- Prazeres, M., Uthicke, S. and Pandolfi, J. M. 2016. Influence of local habitat on the physiological responses of large benthic foraminifera to temperature and nutrient stress. *Sci. Rep.* 6, 21936; doi: 10.1038/srep21936. PDF
- Prazeres M, Uthicke S, Pandolfi JM. 2016. Changing light levels induce photo-oxidative stress and alterations in shell density of *Amphistegina lobifera* (Foraminifera). *Marine Ecology Progress Series*, doi: 10.335/meps11698. PDF

- Renema, W., Pandolfi, J. M., Kiessling, W., Bosellini, F. R., Klaus, J. S., Korpanty, C., Rosen, B. R., Santodomingo, N., Wallace, C. C., Webster, J. M. and Johnson, K. G. 2016. Are coral reefs victims of their own past success? *Sci. Adv.* 2, e1500850. [PDF](#)
- Ryan, E. J., Smithers, S. G., Lewis, S. E., Clark, T. R. and Zhao, J. X. 2016. Chronostratigraphy of Bramston Reef reveals a long-term record of fringing reef growth under muddy conditions in the central Great Barrier Reef. *Palaeogeography, Palaeoclimatology, Palaeoecology*. 441, 734–747.
- Sampayo, E. M., Ridgway, T., Franceschinis, L., Roff, G., Hoegh-Guldberg, O. and Dove, S. 2016. Coral symbioses under prolonged environmental change: living near tolerance range limits. *Sci. Rep.* 6, 36271; doi: 10.1038/srep36271 [PDF](#).
- Scheffers, B. R., De Meester, L., Bridge, T. C. L., Hoffmann, A. A., Pandolfi, J. M., Corlett, R. T., Butchart, S. H. M., Pearce-Kelly, P., Kovacs, K. M., Dudgeon, D., Pacifici, M., Rondinini, C., Foden, W. B., Martin, T. G., Mora, C., Bickford, D. and Watson, J. E. M. 2016. The broad footprint of climate change from genes to biomes to people. *Science*. doi: 10.1126/science.aaf7671 [PDF](#)
- Thurstan, R. H., Campbell, A. B. and Pandolfi, J. M. 2016. Nineteenth century narratives reveal historic catch rates for Australian snapper (*Pagrus auratus*). *Fish and Fisheries*. 17, 210–225. [PDF](#)
- Butler, I. R., Sommer, B., Zann, M., Zhao, J. X., & Pandolfi, J. M. (2015). The cumulative impacts of repeated heavy rainfall, flooding and altered water quality on the high-latitude coral reefs of Hervey Bay, Queensland, Australia. *Marine pollution bulletin*. [PDF](#)
- Dean, A. J., Steneck, R. S., Tager, D., & Pandolfi, J. M. 2015. Distribution, abundance and diversity of crustose coralline algae on the Great Barrier Reef. *Coral Reefs*, 34(2):581-594. [PDF](#)
- Duarte, C.M., Robinson W. Fulweiler, Catherine E. Lovelock, Paulina Martinetto, Megan I. Saunder, John M. Pandolfi, Stefan Gelcich, and Scott Nixon. 2015. Reconsidering Ocean Calamities. *BioScience*, 65(2): 130-139. [PDF](#)
- Finnegan, S., Anderson, S. C., Harnik, P. G., Simpson, C., Tittensor, D. P., Byrnes, J. E., Finkel, Z.V., Lindberg, D. R., Liow, L. H., Lockwood, R., Lotze, H. K., McClain, C. R., McGuire, J. L., O'Dea, A. & Pandolfi, J. M. 2015. Paleontological baselines for evaluating extinction risk in the modern oceans. *Science*, 348(6234): 567-570. [PDF](#).
- Narayan, Y.R., Lybolt, M., Zhao, J.X., Feng, Y., & Pandolfi, J.M. 2015. Holocene benthic foraminiferal assemblages indicate long-term marginality of reef habitats from Moreton Bay, Australia. *Palaeogeography, Palaeoclimatology, Palaeoecology* 420:49-64. [PDF](#)
- Prazeres, M., Uthicke, S., & Pandolfi, J. M. 2015. Ocean acidification induces biochemical and morphological changes in the calcification process of large benthic foraminifera. *Proceedings of the Royal Society of London B: Biological Sciences*, 282(1803): 20142782. [PDF](#)
- Pandolfi, J.M. 2015. Ecology: Deep and complex ways to survive bleaching. *Nature* 518: 43-44. [PDF](#)
- Pratchett, M. S., Anderson, K. D., Hoogenboom, M. O., Widman, E., Baird, B. H., Pandolfi, J. M., Edmunds, P. J. and Lough, J. M. 2015. Spatial, temporal, and taxonomic variation in coral



- growth—implications for the structure and function of coral reef ecosystems. *Oceanography and Marine Biology: An Annual Review*, 2015, 53, 215-296. [PDF](#)
- Roff, G., Zhao, J. X., & Pandolfi, J. M. 2015. Rapid accretion of inshore reef slopes from the central Great Barrier Reef during the late Holocene. *Geology*, 43(4): 343-346. [PDF](#)
- Thurstan R. H., Buckley S. M., Ortiz J. C., Pandolfi J. M. 2016. Setting the record straight: assessing the reliability of retrospective accounts of change. *Conservation Letters* 9, 98-105. [PDF](#)
- Thurstan R. H., McClenachan L., Crowder L. B., Drew J. A., Kittinger J. N., Levin P. S., Roberts C. M., Pandolfi, J. M. 2015. Filling historical data gaps to foster solutions in marine conservation. *Ocean and Coastal Management* 115, 31-40. [PDF](#)
- Winkler, N.S., Pandolfi, J.M., & Sampayo, E.M. 2015. Symbiodinium identity alters the temperature-dependent settlement behaviour of *Acropora millepora* coral larvae before the onset of symbiosis. *Proceedings of the Royal Society of London B: Biological Sciences*, 282(1801), 20142260. [PDF](#)
- Thurstan, R.H., Campbell, A.B. and J.M. Pandolfi, online first, 19th century narratives reveal historic catch rates for Australian snapper (*Pagrus auratus*). *Fish and Fisheries*. 2014. [PDF](#)
- Mihaljević, M., Willem Renema, Kevin Welsh & John M. Pandolfi. 2014. Eocene-Miocene shallow-water carbonate platforms and increased habitat diversity in Sarawak, Malaysia. *Palaios* 29(7): 378-391. [PDF](#)
- O'Connor, Marry, Carrie V. Kappel, Carlos M. Duarte, Keith Brander, Christopher Brown, John F. Bruno, Lauren Buckley, Michael T. Burrows, Benjamin S. Halpern, Wolfgang Kiessling, Pippa Moore, John Pandolfi, Camille Parmesan, Elvira S. Poloczanska, Maria Sanchez-Camacho, David S. Schoeman, William J. Sydeman, & Anthony J. Richardson. 2014. Strengthening confidence in the climate change impact science. *Global Ecology and Biogeography* (accepted 15 June 2014). [PDF](#)
- Liu, E., Zhao, J., Clark, T. R., Feng, Y., Leonard, N. D., Markham, H. L. & Pandolfi, J. M. (2014). High-precision U-Th dating of storm-transported coral blocks on Frankland Islands, northern Great Barrier Reef, Australia. *Palaeogeography, Palaeoclimatology, Palaeoecology* 414: 68–78. [PDF](#)
- Clark TR, Roff J, Zhao JX, Feng Y, Done TJ, Pandolfi JM. 2014. Testing the precision and accuracy of the U-Th chronometer for dating coral mortality events in the last 100 years. *Quaternary Geochronology* 23: 35-45. [PDF](#)
- Clark TR, Roff J, Zhao JX, Feng Y, Done TJ, Pandolfi JM. 2014. Discerning the timing and cause of historical mortality events in modern *Porites* from the Great Barrier Reef. *Geochimica et Cosmochimica Acta* 138:57–80. [PDF](#)
- Sommer, B., Harrison, P. L., Beger, M., & Pandolfi, J. M. (2014). Trait-mediated environmental filtering drives assembly at biogeographic transition zones. *Ecology*, 95(4), 1000–1009. [PDF](#)
- Pandolfi, J. M., & Lovelock, C. E. (2014). Novelty trumps loss in global biodiversity. *Science*, 344(6181), 266–267. [PDF](#)
- Lovelock, CE, Reef, R, & JM Pandolfi. in press (2014). Variation in elemental stoichiometry and RNA in four phyla of benthic organisms from coral reefs. *Functional Ecology*. doi: 10.1111/1365-2435.12256. [PDF](#)

- Ban, Natalie, John N. Kittinger, John M. Pandolfi, Robert L. Pressey, Ruth H. Thurstan, Simon Hart. 2014. Incorporating historical perspectives into systematic marine conservation planning. In John N. (Jack) Kittinger, Loren E. McClenachan, Keryn Gedan, Louise K. Blight (eds.) 'Marine Historical Ecology in Conservation: Using the Past to Manage for the Future'. University of California Press. [PDF](#)
- Burrows et al. 2014. Geographical Limits To Climate-Related Shifts In Species Distributions. *Nature* 507: 492-495. [PDF](#)
- Pandolfi, J.M. & Kiessling, W. 2014. Gaining insights from past reefs to inform understanding of coral reef response to global climate change. *Current Opinion in Environmental Sustainability* 7: 52-58. [PDF](#)
- Rodriguez-Ramirez A, Grove CA, Zinke J, Pandolfi JM, Zhao J-x. (2014) Coral Luminescence Identifies the Pacific Decadal Oscillation as a Primary Driver of River Runoff Variability Impacting the Southern Great Barrier Reef. *PLoS ONE* 9(1): e84305. [PDF](#)
- Beger, M., B. Sommer, Harrison, P., S. Smith, & Pandolfi, John. 2014. Conserving potential coral reef refugia at high latitudes. *Diversity & Distributions* 20: 245-257. [PDF](#)
- Munday, P.L., R. R. Warner, K. Monro, J. M. Pandolfi and D. J. Marshall. 2013. Predicting evolutionary responses to climate change in the sea. *Ecology Letters* 16: 1488-1500. [PDF](#)
- Butler, I. R., Sommer, B., Zann, M., Zhao, J. X., & Pandolfi, J. M. (2013). The impacts of flooding on the high-latitude, terrigenoclastic influenced coral reefs of Hervey Bay, Queensland, Australia. *Coral Reefs*, 32(4), 1149–1163. [PDF](#)
- Poloczanska, E. S., Brown, C. J., Sydeman, W. J., Kiessling, W., Schoeman, D. S., Moore, P. J., Keith Brander, John F. Bruno, Lauren Buckley, Michael T. Burrows, Carlos M. Duarte, Benjamin S. Halpern, Johnna Holding, Carrie V. Kappel, Mary I. O'Connor, John M. Pandolfi, Camille Parmesan, Franklin Schwing, Sarah Ann Thompson, Anthony J. Richardson. (2013). Global imprint of climate change on marine life. *Nature Climate Change*, 3(10), 919–925. [PDF](#)
- Berzunza-Sanchez, M., Gomez Cabrera, M. dC. & Pandolfi, J.M. 2013. Historical Patterns of Resource Exploitation and the Status of Papua New Guinea Coral Reefs. *Pacific Science* 67(3): 425-440. [PDF](#)
- Reymond, C. E., Roff, G., Chivas, A. R., Zhao, J., & Pandolfi, J.M. 2013. Millennium-scale records of benthic foraminiferal communities from the central Great Barrier Reef reveal spatial differences and temporal consistency. *Palaeogeography, Palaeoclimatology, Palaeoecology* 374: 52–61. [PDF](#)
- Reymond, CE, A. Lloyd, D. I. Kline, S. Dove, John M. Pandolfi. 2013. Decline in growth of foraminifer *Marginopora rossi* under eutrophication and ocean acidification scenarios. *Global Change Biology* 19: 291–302. [PDF](#)
- Roff G., Clark, T.R., Reymond, C., Zhao, J.-x., Feng, Y., McCook, L., Done, T., and J. M. Pandolfi. 2013. Palaeoecological evidence of a historical collapse of corals at Pelorus Island, inshore Great Barrier Reef, following European settlement. *Proc Roy Soc London Ser B*. 280: 20122100. <http://dx.doi.org/10.1098/rspb.2012.2100>. [PDF](#)
- Kiessling, W., Simpson, C., Beck, B. Mewis, H, & Pandolfi, J.M. 2012. Equatorial decline of reef corals during the last Pleistocene interglacial. *PNAS* 109: 21378–21383. [PDF](#)



- Richardson, A. J., Brown, C. J., Brander, K., Bruno, J. F., Buckley, L., Burrows, M. T., Carlos M. Duarte, Benjamin S. Halpern, Ove Hoegh-Guldberg, Johnna Holding, Carrie V. Kappel, Wolfgang Kiessling, Pippa J. Moore, Mary I. O'Connor, John M. Pandolfi, Camille Parmesan, David S. Schoeman, Frank Schwing, William J. Sydeman and Elvira S. Poloczanska (2012). The Pace of Shifting Climate in Marine and Terrestrial Ecosystems. *Biology Letters*, 8(6): 907-909. [PDF](#)
- McLeod, E., A. Green, E. Game, K. Anthony, J. Cinner, S. F. Heron, J. Kleypas, C. E. Lovelock, J. M. Pandolfi, R. L. Pressey, R.V. Salm, S. Schill, and C. Woodroffe. 2012. Integrating Climate and Ocean Change Vulnerability into Conservation Planning. *Coastal Management* 40(6): 651-672. [PDF](#)
- Bode, M., Connolly, S. and Pandolfi, J.M. 2012. Species differences drive non-neutral structure in Pleistocene coral communities. *American Naturalist* 180: 577–588. doi:10.1086/667892. [PDF](#)
- Harnik, Paul G., Heike K. Lotze, Sean C. Anderson, Zoe V. Finkel, Seth Finnegan, David R. Lindberg, Lee Hsiang Liow, Rowan Lockwood, Craig M. McClain, Jenny L. McGuire, John M. Pandolfi, Carl Simpson, Derek P. Tittensor. 2012. Extinctions in ancient and modern seas. *Trends in Ecology & Evolution* 27: 608-617. [PDF](#)
- Muhs, DR, JM Pandolfi & KR Simmons. 2012. Sea-level history of past interglacial periods: New evidence from U-series dating of corals from Curaçao, Netherlands Antilles. *Quaternary Research* 78:157-169. [PDF](#)
- Reymond, CE, Uthicke, S. & John M. Pandolfi. 2012. Tropical Foraminifera as indicators of water quality and temperature. *Proceedings of the 12th International Coral Reef Symposium*, Cairns, Australia, 9-13 July 2012 21B Enhancing coral reef resilience through management of water quality, 5 pp. [PDF](#)
- Reef, R., Pandolfi, J.M., & Lovelock, C.E. 2012. The Effect of Nutrient Enrichment on the Growth and Elemental Stoichiometry of Coral Reef Macroalgae. *Ecology & Evolution*, p. 1-11. doi: 10.1002/ece3.330 [PDF](#)
- Bromfield, K. & Pandolfi, J.M. 2012. Regional patterns of evolutionary turnover in Neogene coral reefs from the west-central Indo-Pacific Ocean. *Evolutionary Ecology* 26: 375-391. [PDF](#)
- Blower, D. C., Pandolfi, J. M., Bruce, B. D., Gomez-Cabrera, M. del C. & Ovenden, J. R. 2012 Population genetics of Australian white sharks reveals fine-scale spatial structure, transoceanic dispersal events and low effective population sizes. *Marine Ecology Progress Series* 455:229-244. [PDF](#)
- Budd, A. F., Nunes, F. L. D., Weil, E. & Pandolfi, J. 2012 Polymorphism in a common Atlantic reef coral (*Montastrea cavernosa*) and its long-term evolutionary implications. *Evolutionary Ecology* 26:265-290. [PDF](#)
- Pandolfi, J.M. & Budd, A.F. 2012. A Festschrift for Jeremy B.C. Jackson and his integration of ecology, evolution, and conservation biology. *Evolutionary Ecology* 26:227-232. [PDF](#)
- Burrows, Michael T., David S. Schoeman, Carlos M. Duarte, Mary I. O'Connor, Lauren B. Buckley, Carrie V. Kappel, Camille Parmesan, Benjamin S. Halpern, Chris Brown, Keith M. Brander, John F. Bruno, John M. Pandolfi, William J. Sydeman, Anthony J. 2012 *in*

- press. Response to Hulme – Invasive species spread faster than climate change. *Science*. [PDF](#)
- Clark, T.R., Zhao, J.X., Feng, Y., Done, T., Jupiter, S., Lough, J., Pandolfi, J.M. 2012. Spatial variability of initial  $^{230}\text{Th}/^{232}\text{Th}$  in modern *Porites* from the inshore region of the Great Barrier Reef. *Geochimica et Cosmochimica Acta* 78: 99–118. [PDF](#)
- Pandolfi, John M., Connolly, Sean R., Marshall, Dustin J. and Cohen, Anne L. (2011) The future of coral reefs: Response. *Science*, 334 6062: 1495-1496. [PDF](#)
- Brown, Christopher J., Schoeman, David S., Sydeman, William J., Brander, Keith, Buckley, Lauren B., Burrows, Michael, Duarte, Carlos M., Moore, Pippa J., Pandolfi, John M., Poloczanska, Elvira, Venables, William and Richardson, Anthony J. (2011) Quantitative approaches in climate change ecology. *Global Change Biology*, 17 12: 3697-3713. [PDF](#)
- Burrows, Michael T., Schoeman, David S., Buckley, Lauren B., Moore, Pippa, Poloczanska, Elvira S., Brander, Keith M., Brown, Chris, Bruno, John F., Duarte, Carlos M., Halpern, Benjamin S., Holding, Johnna, Kappel, Carrie V., Kiessling, Wolfgang, O'Connor, Mary I., Pandolfi, John M., Parmesan, Camille, Schwing, Franklin B., Sydeman, William J. and Richardson, Anthony J. (2011) The pace of shifting climate in marine and terrestrial ecosystems. *Science*, 334 6056: 652-655. [PDF](#)
- Kittinger, John N., Pandolfi, John M., Blodgett, Jonathan H., Hunt, Terry L., Jiang, Hong, Maly, Kapa, McClenachan, Loren E., Schultz, Jennifer K. and Wilcox, Bruce A. (2011) Historical reconstruction reveals recovery in Hawaiian coral reefs. *PLoS One*, 6 10: e25460-1-e25460-13. [PDF](#)
- Reymond, Claire E., Bode, Michael, Renema, Willem and Pandolfi, John (2011) Ecological incumbency impedes stochastic community assembly in Holocene foraminifera from the Huon Peninsula, Papua New Guinea. *Paleobiology*, 37 4: 670-685. [PDF](#)
- Hughes, TP, Bellwood, DR, Baird, AH, Brodie, J, Bruno, JF and Pandolfi, JM (2011) Shifting baselines, declining coral cover, and the erosion of reef resilience: comment on Sweatman et al. (2011). *Coral Reefs*, 30 3: 653-660. [PDF](#)
- Reymond, Claire E., Uthicke, S. and Pandolfi, John M. (2011) Inhibited growth in the photosymbiont-bearing foraminifer *Marginopora vertebralis* from the nearshore Great Barrier Reef, Australia. *Marine Ecology: Progress Series*, 435 : 97-109. [PDF](#)
- Pandolfi, John M., Connolly, Sean R., Marshall, Dustin J. and Cohen, Anne A. (2011) Projecting coral reef futures under global warming and ocean acidification. *Science*, 333 6041: 418-422. [PDF](#)
- Pandolfi, John M. (2011) Presentation of the 2009 Paleontological Society Medal to Jeremy B. C. Jackson. *Journal of Paleontology*, 85 3: 599-600.
- Bromfield, Kate and Pandolfi, John M. (2011) Regional patterns of evolutionary turnover in Neogene coral reefs from the central Indo-West Pacific Ocean. *Evolutionary Ecology*, Article in press : 1-17. DOI: 10.1007/s10682-011-9483-9 [PDF](#)
- Lybolt, Matt, Neil, David, Zhao, Jianxin, Feng, Yuexing, Yu, KeFu and Pandolfi, John (2011) Instability in a marginal coral reef: The shift from natural variability to a human-dominated seascape. *Frontiers in Ecology and the Environment*, 9 3: 154-160. [PDF](#)

- Beger, Maria, Babcock, Russ, Booth, David J., Bucher, Daniel, Condie, Scott A., Creese, Bob, Cvitanovic, Christopher, Dalton, Steve J., Harrison, Peter, Hoey, Andrew, Jordan, Alan, Loder, Jennifer, Malcolm, Hamish, Purcell, Steven W., Roelfsema, Chris, Sachs, Patrick, Smith, Stephen D. A., Sommer, Brigitte, Stuart-Smith, Rick, Thomson, Damian, Wallace, Carden C., Zann, Maria and Pandolfi, John M. (2011) Research challenges to improve the management and conservation of subtropical reefs to tackle climate change threats. *Ecological Management & Restoration*, 12 1: e7-e10. [PDF](#)
- Budd, Ann F., Nunez, Flavia L. D., Weil, Ernesto and Pandolfi, John M. (2011) Polymorphism in a common Atlantic reef coral (*Montastraea cavernosa*) and its long-term evolutionary implications. *Evolutionary Ecology*. DOI: 10.1007/s10682-010-9460-8 [PDF](#)
- Pandolfi, John M. (2011). Historical ecology of coral reefs. In Hopley, D. (Ed.), *Encyclopedia of Modern Coral Reefs: Structure, Form and Process* 1 ed. (pp. 554-558) Berlin, Germany: Springer-Verlag.
- Pandolfi, John. M. (2011). The paleoecology of coral reefs. In Zvy Dubinsky and Noga Stambler (Ed.), *Coral reefs: An ecosystem in transition* (pp. 13-24) Springer: Dordrecht, Netherlands.
- Narayan, Y.R. and Pandolfi, J.M. 2010. Benthic foraminifera communities across an estuarine (west to east) gradient in subtropical Moreton Bay, Queensland, Australia: Potential indicators for monitoring water and substrate quality in estuarine-marginal marine settings. *Marine Pollution Bulletin* 60: 2062–2078. [PDF](#)
- Budd, A.F and Pandolfi, J.M. 2010. Evolutionary novelty is concentrated at the edge of coral species distributions. *Science* 328: 1558-1561. [PDF](#)
- Tager, D., Webster, J.W., Potts, D. C., Renema, W., Braga, J. C. & Pandolfi, J.M. 2010. Community dynamics of Pleistocene coral reefs during alternative climatic regimes. *Ecology* 91, 191-200. [PDF](#)
- Brewer, T.D., Cinner, J.E., Green, A., and John M. Pandolfi. 2009. Thresholds and multiple scale interaction of environment, resource use, and distribution on reef fishery resources in the Solomon Islands. *Biological Conservation* 142: 1797–1807. [PDF](#)
- Pandolfi, J.M. 2009. Evolutionary impacts of fishing: Overfishing's 'Darwinian Debt'. *F1000 Biology Reports* 2009, 1:43. [PDF](#)
- Zhao, J., Neil, D., Feng, Y, Yu, K and Pandolfi, J.M. 2009. High-precision U-series dating of very young cyclone-transported coral reef blocks from Heron and Wistari reefs, southern Great Barrier Reef. *Quaternary International* 195: 122-127. [PDF](#)
- Pandolfi, J.M. and A. F. Budd. 2008. Morphology and ecological zonation of the *Montastraea 'annularis'* species complex in Belize. *Marine Ecology Progress Series* 369: 89-102. [PDF](#)
- Pandolfi, J.M. and Kelley, R. 2008. The Great Barrier Reef in Time and Space: Geology and Palaeobiology. Pp. 17-27 in Hutchings, P, Kingsford, M., and Hoegh-Guldberg, O. (eds.). *Handbook of the Great Barrier Reef – 2<sup>nd</sup> edition*. CSIRO Press.
- Renema, W., David Bellwood, Juan Carlos Braga, Kate Bromfield, Robert Hall, Kenneth G. Johnson, Peter Lunt, Christopher P. Meyer, Laura McMonagle, Robert J. Morley, Aaron O'dea, Jonathan A. Todd, Frank P. Wesselingh, Moyra E.J. Wilson, and John M. Pandolfi. 2008. Hopping hotspots: Global shifts in marine biodiversity. *Science* 321: 654-657. [PDF](#)

- Greenstein, B.J., and Pandolfi, J.M. 2008. Escaping the heat: Range shifts of reef coral taxa in coastal Western Australia. *Global Change Biology* 14: 513-528. [PDF](#)
- Pandolfi, J.M. 2008. Succession. In Sven Erik Jørgensen and Brian D. Fath (Editor-in-Chief), General Ecology. Vol. [4] of Encyclopedia of Ecology, 5 vols. pp. [3416-3424] Oxford: Elsevier.
- Pandolfi, J.M. and Greenstein, B.J. 2007. Using the past to understand the future: palaeoecology of coral reefs. pp. 717-744, In Johnson, J.E. and Marshall, P.A., (eds.), Climate Change and the Great Barrier Reef. Great Barrier Reef Marine Park Authority and the Australian Greenhouse Office.
- Pandolfi, J.M., 2007. A new, extinct Pleistocene reef coral from the *Montastraea* "annularis" species complex. *J. Paleontology* 81: 472-482. [PDF](#)
- Pandolfi, J.M. and J.B.C. Jackson. 2007. The role of algae. *American Scientist* Jan-Feb, v. 95: 5-6. [PDF](#)
- Hughes, T.P., Bellwood, D.R., Folke, C.S., McCook, L.J. and Pandolfi, J.M., 2007. No-take areas, herbivory and coral reef resilience. *TREE* 22: 1-3. [PDF](#)
- Edinger, E.N., Burr G.S., Pandolfi, J.M. and Ortiz, J.-C. 2007. Age accuracy of Quaternary corals used as proxies for sea level. *Earth and Planetary Science Letters* 253: 37-49. [PDF](#)
- Pandolfi, J.M., A. Tudhope, G. Burr, J. Chappell, E. Edinger, M. Frey, R. Steneck, C. Sharma, A. Yeates, M. Jennions, H. Lescinsky, and A. Newton. 2006. Mass mortality following disturbance in Holocene coral reefs from Papua New Guinea. *Geology* 34: 949-952. [PDF](#)
- Pandolfi, J.M. and J.B.C. Jackson 2006. Broad-scale Patterns in Pleistocene Coral Reef Communities from the Caribbean: Implications for Ecology and Management. Pp. 201-236 In: Aronson, R.B. (ed.), The destruction of coral reef ecosystems: paleoecological perspectives on the human role in a global crisis. Springer-Verlag.
- Pandolfi, J.M. and J.B.C. Jackson. 2006. Ecological persistence interrupted in Caribbean reef coral communities. *Ecology Letters* 9: 818-826. [PDF](#)
- Pandolfi, J.M., 2006. Corals fail a test of neutrality. *Nature* 440: 35-36.
- Greenstein, B.J. and Pandolfi, J.M. 2005. A fossil reef from the last interglacial, Western Australia. *Coral Reefs* 24: 593.
- Roy, K and Pandolfi, J.M. 2005. Responses of marine species and ecosystems to past climate change. Pp. 160-175 In: Lovejoy, T.E. and L. Hannah (eds.), Climate change and biodiversity. Yale University Press.
- Jackson JBC, Ogden JC, Pandolfi JM, Baron N, Bradbury RH, Guzman HM, Hughes TP, Kappel CV, Micheli F, Possingham HP, Sala E 2005. Reassessing U.S. Coral Reefs. Response to Comments. *Science* 308: 1741-1742.
- Pandolfi, J. M., J. B. C. Jackson, N. Baron, R. H. Bradbury, H. M. Guzman, T. P. Hughes, C. V. Kappel, F. Micheli, J. C. Ogden, H. P. Possingham, E. Sala. 2005. Are US coral reefs on the slippery slope to slime? *Science* 307: 1725-1726. [PDF](#)

- Best, M.M.R., Burniaux, P., and Pandolfi, J.M. 2004. Experimental Bivalve Taphonomy in Reefs of Madang Lagoon, Papua New Guinea. In Best, M.M.R., and Caron, J.-B. 2004. eds. Canadian Paleontology Conference Proceedings No. 2, GAC publications, p.8-12. [PDF](#)
- Estrada Alvarez, L.M., Edinger, E.N., and Pandolfi, J.M. 2004. Taphonomy of modern corals from Madang lagoon, Papua New Guinea. In Best, M.M.R., and Caron, J.-B. 2004. eds. Canadian Paleontology Conference Proceedings No. 2, GAC publications, p.23-28. [PDF](#)
- Holcomb, M., J. M. Pandolfi, I. G. Macintyre, and A. F. Budd. 2004. Use of X-radiographs to distinguish members of the *Montastraea* “*annularis*” reef coral species complex. *Hydrobiologia* 530/531: 211–222, 2004. D.G. Fautin, J.A. Westfall, P. Cartwright, M. Daly & C.R. Wyttenbach (eds), *Coelenterate Biology 2003: Trends in Research on Cnidaria and Ctenophora*. Kluwer Academic Publishers. The Netherlands. [PDF](#)
- Budd, A.B. and Pandolfi, J.M. 2004. Overlapping species boundaries within the *Montastraea* “*annularis*” species complex in the late Pleistocene of the Bahamas Islands. *Paleobiology* 30: 396–425. [PDF](#)
- DiMichele, W.A., A.K. Behrensmeyer, T.D. Olszewski, C.C. Labandeira, J.M. Pandolfi, S.L. Wing, and R. Bober. 2004. Long-term stasis in ecological assemblages: evidence from the fossil record. *Annual Review Ecology Evolution and Systematics* 35:285–322. [PDF](#)
- T.P. Hughes, A.H. Baird, D.R. Bellwood, S.R. Connolly, C. Folke, R. Grosberg, O. Hoegh-Guldberg, J.B.C. Jackson, J. Kleypas, J.M. Lough, P. Marshall, M. Nyström, S.R. Palumbi, J.M. Pandolfi, B. Rosen, J. Roughgarden. 2003. Causes of coral reef degradation – Response to Aronson et al. *Science* 302: 1503-1504. [PDF](#)
- Pandolfi, J.M., R.H. Bradbury, E. Sala, T.P. Hughes, K. A. Bjorndal, R. G. Cooke, D. Macardle, L. McClenahan, M.J.H. Newman, G. Paredes, R.R. Warner, and J.B.C. Jackson. 2003. Causes of coral reef degradation – Response to Aronson et al. *Science* 302: 1502-1503. [PDF](#)
- Greenstein, B.J. and Pandolfi, J.M. 2003. Taphonomic alteration of reef corals: Effects of reef environment and coral growth form II: The Florida Keys. *Palaos* 18:495-509. [PDF](#)
- T.P. Hughes, A.H. Baird, D.R. Bellwood, M. Card, S.R. Connolly, C. Folke, R. Grosberg, O. Hoegh-Guldberg, J.B.C. Jackson, J. Kleypas, J.M. Lough, P. Marshall, M. Nyström, S.R. Palumbi, J.M. Pandolfi, B. Rosen, J. Roughgarden. 2003. Climate change, human impacts, and the resilience of coral reefs. *Science* 301: 929-933. [PDF](#)
- Pandolfi, J.M., R.H. Bradbury, E. Sala, T.P. Hughes, K. A. Bjorndal, R. G. Cooke, D. Macardle, L. McClenahan, M.J.H. Newman, G. Paredes, R.R. Warner, and J.B.C. Jackson. 2003. Global trajectories of the long-term decline of coral reef ecosystems. *Science* 301: 955-958. [PDF](#)
- Strathmann, R. R., T. P. Hughes, A. M. Kuris, K. C. Lindeman, S. G. Morgan, J. M. Pandolfi, and R. R. Warner. 2002. Evolution of local recruitment and its consequences for marine populations. *Bulletin of Marine Science* 70 Suppl. 377-396. [PDF](#)
- Pandolfi, J.M., C.E. Lovelock, and A. F. Budd. 2002. Character release following extinction in a Caribbean reef coral species complex. *Evolution* 53: 479-501. [PDF](#)
- Pandolfi, J.M. 2002. Coral community dynamics at multiple scales. *Coral Reefs* 21: 13-23. [PDF](#)
- Pandolfi, J.M., 2001, Review of ‘Evolutionary Paleoecology: The Ecological Context of Macroevolutionary Change’ by Allmon & Bottjer 2001, *Carbonates and Evaporites*.

- Edinger, E. N., Pandolfi, J.M., and Kelley, R. 2001. Community structure of Quaternary coral reefs compared with Recent life and death assemblages. *Paleobiology* 27: 669-694. [PDF](#)
- Pandolfi, J.M. 2001. Fossil Scleractinia. Encyclopedia of Science and Technology. McGraw-Hill Companies Inc.
- Jackson, J. B. C., M. X. Kirby, W. H. Berger, K.A. Bjorndal, L. W. Botsford, B. J. Bourque, R. Bradbury, R. Cooke, J. Erlandson, J. A. Estes, T. P. Hughes, S. Kidwell, C. B. Lange, H. S. Lenihan, J. M. Pandolfi, C. H. Peterson, R. S. Steneck, M. J. Tegner, R. Warner. 2001. Historical overfishing and the recent collapse of coastal ecosystems. *Science* 293: 629-638. [PDF](#)
- Pandolfi, J.M., 2001. Ancient reefs. In: Briggs, D.E.G. and P.R. Crowther (eds), Palaeobiology II, Blackwell Science. Pp. 307-309.
- Pandolfi, J.M., Jackson, J.B.C., and Geister, J. 2001. Geologically sudden natural extinction of two widespread Late Pleistocene Caribbean reef corals, in Jackson J.B.C., S. Lidgard, and F.K. McKinney (eds.) Evolutionary Patterns: Growth, Form and Tempo in the Fossil Record, University of Chicago Press, Chicago, pp. 120-158.
- Pandolfi, J.M., 2001. Numerical and taxonomic scale of analysis in paleoecological data sets: examples from Neo-tropical Pleistocene reef coral communities. *J. Paleontology* 75: 546-563. [PDF](#)
- Pandolfi, J.M. and Jackson, J.B.C., 2001. Community structure of Pleistocene coral reefs of Curaçao, Netherlands Antilles: *Ecological Monographs* 71: 49-67. [PDF](#)
- Pandolfi, J.M., 2000, Review of 'Dynamics of coral communities', Population and Community Biology Series v. 23, by Ron Karlson 1999, *Quarterly Review of Biology* 75: 475-476.
- Pandolfi, J.M., Llewellyn, G., Jackson, J.B.C., 1999, Interpretation of ancient reef environments in paleoecological studies of community structure: Curaçao, Netherlands Antilles, Caribbean Sea. *Coral Reefs* 18: 107-122. [PDF](#)
- Pandolfi, J.M. 1999, Response of Pleistocene coral reefs to environmental change over long temporal scales: *American Zoologist* 39: 113-130. [PDF](#)
- Greenstein, B. J., H. A. Curran, and Pandolfi, J.M., 1998, Shifting ecological baselines and the demise of *Acropora cervicornis* in the western North Atlantic and Caribbean Province: A Pleistocene perspective. *Coral Reefs* 17: 249-261. [PDF](#)
- Pandolfi, J.M., Robertson, D.R. and Kirtley, D., 1998, Roles for worms in reef-building. *Coral Reefs* 17: 120. [PDF](#)
- Greenstein, B.J. Pandolfi, J.M. and H. A. Curran. 1998. The completeness of the Pleistocene fossil record: implications for stratigraphic adequacy: in Donovan, S.K. and C.R.C. Paul (eds.), The Adequacy of the Fossil Record, John Wiley and Sons, London. pp. 75-109. [PDF](#)
- Pandolfi, J.M. and Greenstein, B.J., 1997, Preservation of community structure in death assemblages of deep water Caribbean reef corals: *Limnology and Oceanography* 42: 1505-1516. [PDF](#)
- Greenstein, B.J. & Pandolfi, J.M., 1997, Preservation of community structure in modern reef coral life and death assemblages of the Florida Keys: Implications for the Quaternary fossil record of coral reefs: *Bull. Marine Science* 61: 431-452. [PDF](#)



- Blake, S.G. & Pandolfi, J.M., 1997, Geology of selected islands of the Pitcairn Group, southern Polynesia; *in* Vacher, H.L. & Quinn, T. (eds.), *Geology and Hydrogeology of Carbonate Islands, Developments in Sedimentology*, vol 54, pp. 407-431.
- Pandolfi, J.M. and Jackson, J.B.C., 1997, The maintenance of diversity on coral reefs: examples from the fossil record: *Proceedings of the 8th International Coral Reef Symposium, Panamá*, V. 1, pp. 397-404. [PDF](#)
- Pandolfi, J.M. & Greenstein, B.J., 1997, Taphonomic alteration of reef corals: Effects of reef environment and coral growth form I: the Great Barrier Reef: *Palaios* 12: 27-42. [PDF](#)
- Done, T.J., J.C. Ogden, W.J. Wiebe, B.R. Rosen, and 30 contributors. 1996. Biodiversity and ecosystem function of coral reefs. Pp. 393-429 in H. A. Mooney, J.H. Cushman, E. Medina, E.O. Sala, and E.D. Schultze, eds. *Functional roles of biodiversity: a global perspective*. John Wiley, Chichester. [PDF](#)
- Jackson, J.B.C., Budd, A. and Pandolfi, J.M., 1996, The shifting balance of natural communities? *in* D. Jablonski, Erwin, D.H., and J.H. Lipps (eds.), *Evolutionary Paleobiology: Essays in Honor of James W. Valentine*. University of Chicago Press, p. 89-122. [PDF](#)
- Chappell, J., A. Omura, T. Esat, M. McCulloch, J. Pandolfi, Y. Ota and B. Pillans. 1996. Reconciliation of late Quaternary sea levels derived from coral terraces at Huon Peninsula with deep sea oxygen isotope records. *Earth and Planetary Science Letters* 141: 227-236.
- Pandolfi, J.M., 1996, Limited membership in Pleistocene reef coral assemblages from the Huon Peninsula, Papua New Guinea: Constancy during global change. *Paleobiology* 22:152-176. [PDF](#)
- Pandolfi, J.M. & Minchin, P.R., 1995, A comparison of taxonomic composition and diversity between reef coral life and death assemblages in Madang Lagoon, Papua New Guinea: *Palaeogeography Palaeoclimatology Palaeoecology* 119:321-341. [PDF](#)
- Pandolfi, J.M., 1995, Geomorphology of the uplifted Pleistocene lagoon at Henderson Island, Pitcairn Island Group, South Central Pacific: *Biological Journal of the Linnean Society* 56: 63-77. [PDF](#)
- Greenstein, B.J., Pandolfi, J.M., and Moran, P.J., 1995, Taphonomy of crown-of-thorns starfish: implications for recognizing ancient population outbreaks: *Coral Reefs* 14:91-97. [PDF](#)
- Pandolfi, J.M., Best, M.M.R. & Murray, S.P., 1994, The May 15, 1992, coseismic event, Huon Peninsula, Papua New Guinea: Comparison with Quaternary tectonic history: *Geology* v. 22:239-242. [PDF](#)
- Sheehan, P.M., Pandolfi, J.M. & Ketner, K.B., 1993, Isolated carbonate bodies composed of stacked debris flow deposits on a fine-grained carbonate lower slope of Devonian age, Antelope Peak, Elko County, Nevada: *USGS Bulletins* 1988E: E1-E12.
- Pandolfi, J.M., 1993, A review of the tectonic history of Papua New Guinea and its significance for marine biogeography: *Proceedings of the 7th International Coral Reef Symposium*, Guam, 1992, v. 2:718-728. [PDF](#)
- Pandolfi, J.M., 1992, Successive isolation rather than evolutionary centres for the origination of Indo-Pacific reef corals: *Journal of Biogeography* 92: 593-609. [PDF](#)

- Pandolfi, J.M., 1992, Evolution and the fossil record: *Evolution* v. 46: 1589-1592.
- Pandolfi, J.M., 1992, A palaeobiological examination of the geological evidence for recurring outbreaks of the Crown-of-thorns starfish *Acanthaster planci* (L.): *Coral Reefs* 11: 87-93.
- Wallace, C.C., Pandolfi, J.M., Young, A. & Wolstenholme, J., 1991, Indo-Pacific coral biogeography: a case study from the *Acropora selago* group: *Australian Systematic Botany* v. 4:199-210. [PDF](#)
- Benzie, J.A.H. & Pandolfi, J.M., 1991, Allozyme variation in *Marginopora vertebralis* (Foraminifera: Miliolidae) from coral reef habitats in the Great Barrier Reef, Australia: *J. Foraminiferal Research* 21: 222-227.
- Pandolfi, J.M., 1989, Developmental sequences in colonial corals: An overview. *Memoirs of the Association of Australasian Palaeontologists* 8: 69-81.
- Pandolfi, J.M., 1989, Phylogenetic analysis of the early tabulate corals. *Palaeontology*, v. 32(4): 745-764.
- Pandolfi, J.M. and Burke, C.D., 1989, Shape analysis of two sympatric coral species: Implications for taxonomy and evolution. *Lethaia* 22:183-194.
- Pandolfi, J.M. and Burke, C.D., 1989, Environmental distribution of growth form in the favositid *Pleurodictyum americanum*: *Lethaia* 22: 69-84.
- Carpenter, R.M., Pandolfi, J.M. and Sheehan, P.M., 1986, The Late Ordovician and Silurian of the Eastern Great basin, Part 6. The Upper Ordovician carbonate ramp: Contributions to Biology and Geology, Milwaukee Public Museum, no. 69, 92 pp.
- Pandolfi, J.M., 1985, The Late Ordovician and Silurian of the Eastern Great Basin, Part 5. Late Ordovician colonial corals from the Ely Springs Dolomite: *Contributions to Biology and Geology, Milwaukee Public Museum*, no. 61, 95 pp.
- Hurst, J.M., Sheehan, P.M. and Pandolfi, J.M., 1985, Silurian carbonate shelf and slope evolution in Nevada: A history of faulting, drowning, and progradation: *Geology* 13: 185-188.
- Comment and Reply: *Geology* 13, no. 10, p. 744-746.
- Comment and Reply: *Geology* 13, no. 12, p. 888-889.
- Pandolfi, J.M., 1984, Environmental influence on growth form in some massive tabulate corals from the Hamilton Group (Middle Devonian) of New York State: *Paleontographica Americana* 10, no. 54, p. 538-542.
- Pandolfi, J.M., 1983, Distribution of tabulate corals in Devonian strata of New York; in Sorauf, J.E. and Oliver, W.A., Jr., (eds.), *Silurian and Devonian Corals and Stromatoporoids of New York: 4th International Symposium on Fossil Cnidaria*, Washington, D.C., August, 1983, p. 53-63.