

Publications by Daniel Pauly

(November 1973 – September 2025)

2025 - ITEMS IN PEER-REVIEWED JOURNALS

- Jarrett, M.L. A. Avedo, J. Newland, D. Pauly and M.J. Butler. Balancing body size and respiratory surface: a morphometric analysis of the Caribbean king crab (*Maguimithrax spinosissimus*) and Caribbean spiny lobster (*Panulirus argus*). *Journal of Morphology* [in review]
- Audzijonyte, A., K.A. Andersen, D. Atkinson, J. Bigman, J.L. Blanchard, A.R. Coghlan, M. Lindmark, J.R. Morrongiello and D. Pauly. 2025. Which body size metric should be used for assessing temperature impacts on fish growth and size? *Global Change Biology*, 31:e70296; <https://doi.org/10.1111/gcb.90296>
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- Pauly, D. and J. Müller. 2025. Fick's diffusion laws and scaling of the gill surface area and oxygen uptake in fish. *Fishes* 10, 233, <https://doi.org/10.3390/Fishes10050233>
- Chen, Z. C. Liang, W. Xian and D. Pauly. 2025. Drivers of spatiotemporal community variations in estuarine ecosystems: A Case Study of the waters adjacent to the Yangtze Estuary. *Marine Pollution Bulletin* 217, 118078
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- González Ortiz, A.A., T.E. Walsworth, E. Hammill, M.L.D. Palomares, D. Pauly and T. Atwood. 2025. Fisheries disrupt marine nutrient cycles through biomass extraction. *Nature Communications – Earth and Environment*. <https://doi.org/10.1038/s43247-025-02218-z>
- Ivantsov, A., M. Zakrevskaya, A.H. Knoll, M.A. Fedonkin and D. Pauly. 2025. The growth of the enigmatic Ediacaran *Parvancorina minchami*. *Paleontology* 1-8, <https://doi.org/10.1017/pab.2024.55>
- Cheung, W.W. L., D. Pauly and U.R. Sumaila. 2025 Hope or Despair Revisited: Assessing Progress and New Challenges in Global Fisheries. *Fish and Fisheries*, FaF-24-Oct-OA-400.

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- Pauly, D. and J. Müller. Breathing Water in a Warming World: Principles and Applications of the Gill-Oxygen Limitation Theory. Sidestone, The Netherlands [in press]
- Gleason, J., N. Bailly and D. Pauly. 2025. Eponyms in fish names. In: R. Froese and D. Pauly (eds). *Concepts, Design and Data Sources*. Los Baños, Philippines. <https://www.fishbase.ca/manual/English/contents.htm> [in press]
- Pauly, D. and N. Bailly. 2025. The relationship between first maturity and respiration in fishes, In: R. Froese and D. Pauly (eds). *Concepts, Design and Data Sources*. Los Baños, Philippines. <https://www.fishbase.ca/manual/English/contents.htm> [in press]
- Pauly, D. 2025. The human conquest of the Earth and the Oceans, Chapter 2, p. 15-22 In: J. Alger and U.R. Sumaila (eds.). *A Research Agenda for Sustainable Ocean Governance*. Edward Edgar Publishing, Cheltenham, U.K.

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- Pauly, D., C. Nauen, F. Le Manach, M.L.D. Palomares, U.R. Sumaila and I. Lopez-Ahedo. 2025. From Science to Conscience: The Plunder of Senegal's Fisheries Resources, or Europe's Role in the Making of a Migration Crisis. In: Proceedings of the Paris Institute for Advanced Study, Vol. 21, <https://doi.org/10.5281/zenodo.15833918>
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- McLavery, C., C. Roberts, M.L.D. Palomares, D. Pauly and R. Thurstan. A global history of trawling and disturbance to shelf systems (Abstract). One Ocean Science Congress in Nice, June 2025.

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- Chen, Z., D. Pauly, T.M. M. Clarke, C. Liang, W. Xian and W.W.L. Cheung. 2024. The spatiotemporal changes in fish and invertebrate community structure and habitat viability in the Yangtze Estuary. *Ecological Indicators* 169, <https://doi.org/10.1016/j.ecolind.2024.112872>
- Müller, J and D. Pauly. 2024. Fishes in Warming Waters, the Gill-Oxygen Limitation Theory and the Debate around Mechanistic Growth Models. *Fishes* 9, 430. <https://doi.org/10.3390/fishes9110430>, 17 p.
- Majluf, P., K. Matthews, D. J. Skerritt, D. Pauly and M.L.D. Palomares. 2024. A review of the global use of fishmeal and the Fish In:Fish Out metric. *Science Advances* 10, eadn 5650.
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- Jacquet, J, B. Franks, P. Godfrey-Smith, W. Sanchez-Suarez and 96 additional authors, incl. D. Pauly. 2024. Support for the US OCTOPUS Act. *Science*, 10.1126/science.adq1980).
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- Warren, M. and D. Pauly. 2024. The likely role of urea in delaying the size at first maturity of ureosmotic Chondrichthyes. *Environmental Biology of Fishes*, 107: 523–536.
- Chu, E. and D. Pauly. 2024. The relationship between mean length at maturity and maximum length in coral reef fishes. *Fishes*, 9(4), 130; <https://doi.org/10.3390/fishes9040130>
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Wu, Y., S. Pates, D. Pauly, X. Zhang and D. Fu. 2024. Rapid growth in a large Cambrian apex predator. *National Science Review* 11: nwad284, <https://doi.org/10.1093/nsr/nwad284>

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- Pauly, D., J. Stuart Smith, A. Trotter, V. Delpero, E. Chu and T. Bessell. 2024. Growth and related traits of the red handfish (*Thymichthys politus*), p. 7 – 10 *In*: D. Pauly and V. Ruiz-Leotaud (eds). *Marine and Freshwater Miscellanea V*. Fisheries Centre Research Reports 32(4). Institute for the Oceans and Fisheries, University of British Columbia, Vancouver.
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- Pauly, D. and GP.D. Ward. 2024. Major biological traits of *Nautilus* spp. with emphasis on *N. belauensis*, *N. macromphalus* and *N. pompilius*, p. 63 - 73 *In*: D. Pauly and V. Ruiz-Leotaud (eds). *Marine and Freshwater Miscellanea V*. Fisheries Centre Research Reports 32(4). Institute for the Oceans and Fisheries, University of British Columbia, Vancouver.
- Pauly, D., P. Sakyi-Djan, E. Chu and M.F. Akwetey. 2024. Patterns of Growth, Respiration and Reproduction in Species of the Genus *Sepia*, p. 74 – 80 *In*: D. Pauly and V. Ruiz-Leotaud (eds). *Marine and Freshwater Miscellanea V*. Fisheries Centre Research Reports 32(4). Institute for the Oceans and Fisheries, University of British Columbia, Vancouver.
- Pauly, D. 2024. 'Fishing down marine food webs' was not refuted. p. 94 - 126 *In*: D. Pauly D and V. Ruiz-Leotaud (eds). *Marine and Freshwater Miscellanea V*. Fisheries Centre Research Reports 32(4). Institute for the Oceans and Fisheries, University of British Columbia, Vancouver.
- Palomares, M.L.D. and D. Pauly (Editors). The exploited marine biodiversity of The Bahamas. Quantitative Aquatics Project Reports Series 7, 36 p.
- Palomares, M.L.D. and D. Pauly (Editors). 2024. Reconstruction of Freshwater Fisheries Catches: Canada, Minnesota (USA), and ASEAN Countries, Fisheries Centre Research Report 32(3), Institute for the Oceans and Fisheries, University of British Columbia, Vancouver, Canada 253 p.
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- Shang M, D. Pauly and M.L.D. Palomares. 2024. The indigenous freshwater fisheries of Canada, p. 29-43 *In*: M.L.D. Palomares and D. Pauly (eds.) Reconstruction of Freshwater Fisheries Catches: Canada, Minnesota (USA), and ASEAN Countries, p. 29-45 Fisheries Centre Research Report 32(3). Institute for the Oceans and Fisheries, University of British Columbia, Vancouver, Canada.
- Tipay, P.G.I., D. Pauly and M.L.D. Palomares. 2024. The recreational freshwater fisheries of Canada, p. 44-67 *In*: Palomares MLD and Pauly D (eds.) Reconstruction of Freshwater Fisheries Catches: Canada, Minnesota (USA), and ASEAN Countries, Fisheries Centre Research Report 32(3). Institute for the Oceans and Fisheries, University of British Columbia, Vancouver, Canada.
- Lee, V., M.L.D. Palomares, P. Sorensen and D. Pauly. 2024. The freshwater fisheries catches of Minnesota (USA), p. 68-81 *In*: M.L.D. Palomares and D. Pauly (eds). Reconstruction of the Freshwater Fisheries Catches: Canada, Minnesota (USA) and ASEAN countries, Fisheries Centre Research Reports 32(3). Institute for the Oceans and Fisheries, University of British Columbia, Vancouver.
- Smith, M., P. Sorensen, M.L.D. Palomares and D. Pauly. 2024. A re-evaluation of the inland fisheries catches in the 10 countries of the Association of Southeast Asian Nations, 1950-2021, p. 82-106 *In*: M.L.D. Palomares and D. Pauly (eds). Reconstruction of the Freshwater Fisheries Catches: Canada, Minnesota (USA) and ASEAN countries, Fisheries Centre Research Reports 31(3). Institute for the Oceans and Fisheries, University of British Columbia, Vancouver.
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- Saint-Pierre et Miquelon ». Book of abstracts of “Fourth edition of the Franco-Canadian Congress on Aquatic Sciences in Saint Pierre and Miquelon,” 86 p. [Includes « Un modèle Ecopath pour SPM: le pourquoi et comment de la modélisation des écosystèmes marins » by D. Pauly, F. Teletchea and A-L. Rossi and « Les pêches marines de l’outre-mer français » by D. Pauly, both on p. 38]
- Butler, M., M. Jarrett and D. Pauly. 2024. The bottom line on GOLT: oxygen availability and its consequences for water-breathing ectotherms, p. 3 *In: A.C Tsirlikas, A. Manousi and D. Dimarchopoulou (eds). Fishes in Changing Ecosystems. 22nd Annual FishBase Symposium, 2-3 September 2024, Thessaloniki.*
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- Palomares, V. Parduchio and D. Pauly. 2024. Estimating mortality from length-frequency data: an application to visual census data in Belize and The Bahamas p. 45 *In: A.C Tsirlikas, A. Manousi and D. Dimarchopoulou (eds). Fishes in Changing Ecosystems. 22nd Annual FishBase Symposium, 2-3 September 2024, Thessaloniki.*
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- Teletchea, F. and Pauly, D. 2024. Following on ‘Why do larvae hatch when they do? p. 61 *In: A.C Tsirlikas, A. Manousi and D. Dimarchopoulou (eds). Fishes in Changing Ecosystems. 22nd Annual FishBase Symposium, 2-3 September 2024, Thessaloniki.*
- Pauly, D. 2024. Foreword, p. viii – ix *In: D. Gascuel’s Revolutions in the Seas. Academic Press, London and San Diego.*
- Pauly, D. Préface : Peindre des poissons, p. 6-8 *In: T. Changeux, D. Faget et A.-S. Tribot (eds). Merveilles aquatiques : l’art de représenter le vivant. MKF, www.editionmkf.com.*
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- Pauly, D. 2024. The Tyler Prize and the ‘Knowledge Infrastructure.’ *Fisheries*, p. 1-3; doi: 10.1002/fsh.11075
- Pauly, D. 2024. Are Science and Advocacy compatible? *Oceana Magazine*. Spring 2024, 26-27.
- Pauly, D. 2024. Marine Sanctuaries Essential to Combat Overfishing. Op-Ed; *Vancouver Sun*, January 24. [Marine sanctuaries are essential to combat overfishing in B.C. | Vancouver Sun](#)

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