# Leah R Gerber

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/5632569/publications.pdf

Version: 2024-02-01

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|---|---|---|---|
| 131 papers | 6,209 citations | 109264 35 h-index | 85498 71 g-index |
| 131 all docs | 131 docs citations | 131 times ranked | 8143 citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Predicted growth in plastic waste exceeds efforts to mitigate plastic pollution. Science, 2020, 369, 1515-1518. | 6.0 | 1,330 |
| 2 | POPULATION MODELS FOR MARINE RESERVE DESIGN: A RETROSPECTIVE AND PROSPECTIVE SYNTHESIS. , 2003, 13, 47-64. | | 309 |
| 3 | Marine Reserves as a Tool for Ecosystem-Based Management: The Potential Importance of Megafauna. BioScience, 2004, 54, 27. | 2.2 | 266 |
| 4 | Working together: A call for inclusive conservation. Nature, 2014, 515, 27-28. | 13.7 | 261 |
| 5 | The rising tide of ocean diseases: unsolved problems and research priorities. Frontiers in Ecology and the Environment, 2004, 2, 375-382. | 1.9 | 236 |
| 6 | Foundations of translational ecology. Frontiers in Ecology and the Environment, 2017, 15, 541-550. | 1.9 | 212 |
| 7 | Good Medicine for Conservation Biology: the Intersection of Epidemiology and Conservation Theory. Conservation Biology, 2002, 16, 593-604. | 2.4 | 186 |
| 8 | Connecting Places: The Ecological Consequences of Dispersal in the Sea. Oceanography, 2007, 20, 90-99. | 0.5 | 142 |
| 9 | Without inclusion, diversity initiatives may not be enough. Science, 2017, 357, 1101-1102. | 6.0 | 120 |
| 10 | Conservation triage or injurious neglect in endangered species recovery. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, 3563-3566. | 3.3 | 118 |
| 11 | Sexâ€“biased dispersal in a salmonid fish. Proceedings of the Royal Society B: Biological Sciences, 2002, 269, 2487-2493. | 1.2 | 116 |
| 12 | Complexity in Ecology and Conservation: Mathematical, Statistical, and Computational Challenges. BioScience, 2005, 55, 501. | 2.2 | 115 |
| 13 | Catastrophic events and recovery from low densities in populations of otariids: implications for risk of extinction. Mammal Review, 2001, 31, 131-150. | 2.2 | 85 |
| 14 | The use of demographic sensitivity analysis in marine species conservation planning. Biological Conservation, 2004, 120, 121-128. | 1.9 | 79 |
| 15 | A theory for optimal monitoring of marine reserves. Ecology Letters, 2005, 8, 829-837. | 3.0 | 78 |
| 16 | Endangered species recovery: A resource allocation problem. Science, 2018, 362, 284-286. | 6.0 | 78 |
| 17 | Inferring spatial structure from timeâ€series data: using multivariate stateâ€space models to detect metapopulation structure of California sea lions in the Gulf of California, Mexico. Journal of Applied Ecology, 2010, 47, 47-56. | 1.9 | 77 |
| 18 | Climate change impacts on connectivity in the ocean: Implications for conservation. Ecosphere, 2014, 5, 1-18. | 1.0 | 77 |

| # | Article | IF | Citations |
|---|---|---|---|
| 19 | Ecosystemâ€Based Fisheries Management for Socialâ€“Ecological Systems: Renewing the Focus in the United States with Next Generation Fishery Ecosystem Plans. Conservation Letters, 2018, 11, e12367. | 2.8 | 68 |
| 20 | The role of dispersal and demography in determining the efficacy of marine reserves. Canadian Journal of Fisheries and Aquatic Sciences, 2005, 62, 863-871. | 0.7 | 65 |
| 21 | Diverting the Colorado River leads to a dramatic life history shift in an endangered marine fish. Biological Conservation, 2008, 141, 1138-1148. | 1.9 | 65 |
| 22 | Human Disturbance Influences Reproductive Success and Growth Rate in California Sea Lions (Zalophus californianus). PLoS ONE, 2011, 6, e17686. | 1.1 | 65 |
| 23 | A metric for spatially explicit contributions to science-based species targets. Nature Ecology and Evolution, 2021, 5, 836-844. | 3.4 | 61 |
| 24 | Gray Whales and the Value of Monitoring Data in Implementing the U.S. Endangered Species Act. Conservation Biology, 1999, 13, 1215-1219. | 2.4 | 58 |
| 25 | ARE WE RECOVERING? AN EVALUATION OF RECOVERY CRITERIA UNDER THE U.S. ENDANGERED SPECIES ACT. , 2002, 12, 668-673. | | 57 |
| 26 | Designing connected marine reserves in the face of global warming. Global Change Biology, 2018, 24, e671-e691. | 4.2 | 56 |
| 27 | Including risk in stated-preference economic valuations: Experiments on choices for marine recreation. Journal of Environmental Management, 2009, 90, 3401-3409. | 3.8 | 55 |
| 28 | Should Whales Be Culled to Increase Fishery Yield?. Science, 2009, 323, 880-881. | 6.0 | 53 |
| 29 | Navigating translational ecology: creating opportunities for scientist participation. Frontiers in Ecology and the Environment, 2017, 15, 578-586. | 1.9 | 51 |
| 30 | Building effective fishery ecosystem plans. Marine Policy, 2018, 92, 48-57. | 1.5 | 51 |
| 31 | Does infectious disease influence the efficacy of marine protected areas? A theoretical framework. Journal of Applied Ecology, 2005, 42, 688-698. | 1.9 | 49 |
| 32 | EXPOSING EXTINCTION RISK ANALYSIS TO PATHOGENS: IS DISEASE JUST ANOTHER FORM OF DENSITY DEPENDENCE?. , 2005, 15, 1402-1414. | | 47 |
| 33 | Including behavioral data in demographic models improves estimates of population viability. Frontiers in Ecology and the Environment, 2006, 4, 419-427. | 1.9 | 47 |
| 34 | Comparing bycatch mitigation strategies for vulnerable marine megafauna. Animal Conservation, 2014, 17, 5-18. | 1.5 | 47 |
| 35 | Survival Rates of the California Sea Lion,Zalophus californianus, in Mexico. Journal of Mammalogy, 2008, 89, 1059-1066. | 0.6 | 44 |
| 36 | Isolation by distance among California sea lion populations in Mexico: redefining management stocks. Molecular Ecology, 2009, 18, 1088-1099. | 2.0 | 43 |

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|---|---|---|---|
| 37 | MORTALITY SENSITIVITY IN LIFE-STAGE SIMULATION ANALYSIS: A CASE STUDY OF SOUTHERN SEA OTTERS. , 2004, 14, 1554-1565. | | 39 |
| 38 | Bringing sustainability to life: A framework to guide biodiversity indicator development for business performance management. Business Strategy and the Environment, 2020, 29, 3303-3313. | 8.5 | 39 |
| 39 | Food hoarding: future value in optimal foraging decisions. Ecological Modelling, 2004, 175, 77-85. | 1.2 | 38 |
| 40 | The influence of life history attributes and fishing pressure on the efficacy of marine reserves. Biological Conservation, 2002, 106, 11-18. | 1.9 | 37 |
| 41 | Habitatâ€specific larval dispersal and marine connectivity: implications for spatial conservation planning. Ecosphere, 2013, 4, 1-15. | 1.0 | 37 |
| 42 | Innovative financing for the High Seas. Aquatic Conservation: Marine and Freshwater Ecosystems, 2017, 27, 89-99. | 0.9 | 36 |
| 43 | Management of a marine protected area for sustainability and conflict resolution: Lessons from Loreto Bay National Park (Baja California Sur, Mexico). Ocean and Coastal Management, 2009, 52, 449-458. | 2.0 | 35 |
| 44 | Long-term effectiveness of a multi-use marine protected area on reef fish assemblages and fisheries landings. Journal of Environmental Management, 2013, 117, 276-283. | 3.8 | 34 |
| 45 | Global reforestation and biodiversity conservation. Conservation Biology, 2020, 34, 1221-1228. | 2.4 | 34 |
| 46 | A Quantitative Approach to Endangered Species Act Classification of Long-Lived Vertebrates: Application to the North Pacif ic Humpback Whale. Conservation Biology, 1999, 13, 1203-1214. | 2.4 | 33 |
| 47 | Structuring Decisions for Managing Threatened and Endangered Species in a Changing Climate. Conservation Biology, 2013, 27, 1212-1221. | 2.4 | 33 |
| 48 | Twoâ€sex matrix models in assessing population viability: when do male dynamics matter?. Journal of Applied Ecology, 2014, 51, 270-278. | 1.9 | 31 |
| 49 | A market approach to saving the whales. Nature, 2012, 481, 139-140. | 13.7 | 28 |
| 50 | A Decision Framework for the Adaptive Management of an Exploited Species with Implications for Marine Reserves. Conservation Biology, 2007, 21, 1594-1602. | 2.4 | 27 |
| 51 | Testing the feasibility of a hypothetical whalingâ€conservation permit market in Norway. Conservation Biology, 2017, 31, 809-817. | 2.4 | 27 |
| 52 | Implementation of a marine reserve has a rapid but shortâ€lived effect on recreational angler use. Ecological Applications, 2012, 22, 597-605. | 1.8 | 26 |
| 53 | Ecosystem models clarify the trophic role of whales off Northwest Africa. Marine Ecology - Progress Series, 2010, 404, 289-302. | 0.9 | 26 |
| 54 | Ageâ€specific birth rates of California sea lions (Zalophus californianus) in the Gulf of California, Mexico. Marine Mammal Science, 2008, 24, 664-676. | 0.9 | 25 |

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|---|---|---|---|
| 55 | Sustaining seafood for public health. Frontiers in Ecology and the Environment, 2012, 10, 487-493. | 1.9 | 25 |
| 56 | Coral reef quality and recreation fees in marine protected areas. Conservation Letters, 2010, 3, 38-44. | 2.8 | 23 |
| 57 | Incorporating uncertainty in spatial structure for viability predictions: a case study of California sea lions (Zalophus californianus californianus). Animal Conservation, 2006, 9, 219-227. | 1.5 | 22 |
| 58 | Implications of three viability models for the conservation status of the western population of Steller sea lions (Eumetopias jubatus). Biological Conservation, 2001, 102, 261-269. | 1.9 | 21 |
| 59 | A NONINVASIVE DEMOGRAPHIC ASSESSMENT OF SEA LIONS BASED ON STAGEâ€SPECIFIC ABUNDANCES. Ecological Applications, 2008, 18, 1287-1296. | 1.8 | 21 |
| 60 | ARE RECOVERY PLANS IMPROVING WITH PRACTICE?. , 2002, 12, 641-647. | | 20 |
| 61 | Weak Polygyny in California Sea Lions and the Potential for Alternative Mating Tactics. PLoS ONE, 2012, 7, e33654. | 1.1 | 20 |
| 62 | The Cost of Male Aggression and Polygyny in California Sea Lions (Zalophus californianus). PLoS ONE, 2010, 5, e12230. | 1.1 | 20 |
| 63 | Developing recovery and monitoring strategies for the endemic Mount Graham red squirrels (Tamiasciurus hudsonicus grahamensis) in Arizona. Animal Conservation, 2004, 7, 17-22. | 1.5 | 18 |
| 64 | Identifying Conservation Areas on the Basis of Alternative Distribution Data Sets. Conservation Biology, 2010, 24, 162-170. | 2.4 | 18 |
| 65 | Incorporating biodiversity conservation and recreational wildlife values into smart growth land use planning. Landscape and Urban Planning, 2011, 100, 136-143. | 3.4 | 18 |
| 66 | Producing actionable science in conservation: Best practices for organizations and individuals. Conservation Science and Practice, 2020, 2, e295. | 0.9 | 18 |
| 67 | The influence of human disturbance on California sea lions during the breeding season. Animal Conservation, 2009, 12, 592-598. | 1.5 | 17 |
| 68 | Areaâ€based management of blue water fisheries: Current knowledge and research needs. Fish and Fisheries, 2022, 23, 492-518. | 2.7 | 17 |
| 69 | The Use of Surrogate Data in Demographic Population Viability Analysis: A Case Study of California Sea Lions. PLoS ONE, 2015, 10, e0139158. | 1.1 | 16 |
| 70 | Solve the biodiversity crisis with funding. Science, 2019, 365, 1256-1256. | 6.0 | 16 |
| 71 | â€˜Whales eat fishâ€™? Demystifying the myth in the Caribbean marine ecosystem. Fish and Fisheries, 2010, 11, 388-404. | 2.7 | 15 |
| 72 | Density dependence and risk of extinction in a small population of sea otters. Biodiversity and Conservation, 2004, 13, 2741-2757. | 1.2 | 14 |

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|---|---|---|---|
| 73 | Ten thousand and increasing: Is the western Arctic population of bowhead whale endangered?. Biological Conservation, 2007, 137, 577-583. | 1.9 | 14 |
| 74 | Assessing the ecological and economic benefits of a no-take marine reserve. Ecological Economics, 2008, 67, 32-40. | 2.9 | 14 |
| 75 | Short- and long-term population response to changes in vital rates: implications for population viability analysis. , 2010, 20, 783-788. | | 14 |
| 76 | Managing for extinction? Conflicting conservation objectives in a large marine reserve. Conservation Letters, 2011, 4, 417-422. | 2.8 | 14 |
| 77 | Monitoring behavior: assessing population status with rapid behavioral assessment. Conservation Letters, 2013, 6, 86-97. | 2.8 | 14 |
| 78 | ECOLOGY: Do the Largest Protected Areas Conserve Whales or Whalers?. Science, 2005, 307, 525-526. | 6.0 | 13 |
| 79 | Assessing the impact of the U.S. Endangered Species Act recovery planning guidelines on managing threats for listed species. Conservation Biology, 2015, 29, 1423-1433. | 2.4 | 13 |
| 80 | A decision framework for estimating the cost of marine plastic pollution interventions. Conservation Biology, 2022, 36, . | 2.4 | 13 |
| 81 | Authorship and the Use of Biological Information in Endangered Species Recovery Plans. Conservation Biology, 2001, 15, 1308-1314. | 2.4 | 13 |
| 82 | Estimating Sustainable Bycatch Rates for California Sea Lion Populations in the Gulf of California. Conservation Biology, 2008, 22, 701-710. | 2.4 | 12 |
| 83 | Spatial and temporal patterns of territory use of male California sea lions (Zalophus californianus) in the Gulf of California, Mexico. Canadian Journal of Zoology, 2008, 86, 237-244. | 0.4 | 12 |
| 84 | Measuring Success in Conservation. American Scientist, 2000, 88, 316. | 0.1 | 12 |
| 85 | An investment strategy to address biodiversity loss from agricultural expansion. Nature Sustainability, 2022, 5, 610-618. | 11.5 | 12 |
| 86 | PREDICTING EXTINCTION RISK IN SPITE OF PREDATORâ€“PREY OSCILLATIONS. , 2007, 17, 1543-1554. | | 11 |
| 87 | Viability Analysis of Reef Fish Populations Based on Limited Demographic Information. Conservation Biology, 2007, 21, 447-454. | 2.4 | 11 |
| 88 | Habitat Preferences of California Sea Lions: Implications for Conservation. Journal of Mammalogy, 2008, 89, 1521-1528. | 0.6 | 11 |
| 89 | Determinants of Outcomes of Agonistic Interactions among Male California Sea Lions (Zalophus) Tj ETQq1 1 0.784314 rgBT /Overloc | 0.6 | 11 |
| 90 | Quantifying the Spatial Ecology of Wide-Ranging Marine Species in the Gulf of California: Implications for Marine Conservation Planning. PLoS ONE, 2011, 6, e28400. | 1.1 | 11 |

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|---|---|---|---|
| 91 | Marine Mammals: New Objectives in U.S. Fishery Management. Reviews in Fisheries Science, 1999, 7, 23-38. | 2.1 | 10 |
| 92 | LONG-DISTANCE MOVEMENT OF A PINNIPED NEONATE. Marine Mammal Science, 2007, 23, 926-930. | 0.9 | 10 |
| 93 | A Behaviorally Explicit Demographic Model Integrating Habitat Selection and Population Dynamics in California Sea Lions. Conservation Biology, 2008, 22, 1608-1618. | 2.4 | 10 |
| 94 | Determinants of agonistic interactions in California sea lions. Behaviour, 2008, 145, 1797-1810. | 0.4 | 10 |
| 95 | Applying a jurisdictional approach to support sustainable seafood. Conservation Science and Practice, 2021, 3, e386. | 0.9 | 10 |
| 96 | Evaluating the role of market-based instruments in protecting marine ecosystem services in wild-caught fisheries. Ecosystem Services, 2021, 51, 101356. | 2.3 | 10 |
| 97 | Conservation markets for wildlife management with case studies from whaling. Ecological Applications, 2014, 24, 4-14. | 1.8 | 9 |
| 98 | Impacts of Whale Watching on the Behavior of Humpback Whales (Megaptera novaeangliae) in the Coast of Panama. Frontiers in Marine Science, 2020, 7, . | 1.2 | 9 |
| 99 | Past exploitation of California sea lions did not lead to a genetic bottleneck in the Gulf of California. Ciencias Marinas, 2010, 36, . | 0.4 | 9 |
| 100 | A stateâ€“space mixture approach for estimating catastrophic events in time series data. Canadian Journal of Fisheries and Aquatic Sciences, 2007, 64, 899-910. | 0.7 | 8 |
| 101 | The effect of conservation spending. Nature, 2017, 551, 309-310. | 13.7 | 8 |
| 102 | The role of stakeholder perceptions and institutions for marine reserve efficacy in the Midriff Islands Region, Gulf of California, Mexico. Ocean and Coastal Management, 2018, 162, 181-192. | 2.0 | 8 |
| 103 | Minding the Data-Gap Trap: Exploring Dynamics of Abundant Dolphin Populations Under Uncertainty. Frontiers in Marine Science, 2021, 8, . | 1.2 | 8 |
| 104 | Tourist Knowledge, Pro-Conservation Intentions, and Tourist Concern for the Impacts of Whale-Watching in Las Perlas Archipelago, Panama. Frontiers in Marine Science, 2021, 8, . | 1.2 | 8 |
| 105 | Seeking a rational approach to setting conservation priorities for marine mammals. Integrative Biology: Issues, News, and Reviews, 1998, 1, 90-98. | 0.7 | 7 |
| 106 | Synthesizing ecological and human use information to understand and manage coastal change. Ocean and Coastal Management, 2018, 162, 100-109. | 2.0 | 7 |
| 107 | Conservation science needs new institutional models for achieving outcomes. Frontiers in Ecology and the Environment, 2018, 16, 438-439. | 1.9 | 7 |
| 108 | The Influence of Social Composition on Reproductive Behavior of Territorial Male California Sea Lions. Aquatic Mammals, 2008, 34, 102-108. | 0.4 | 5 |

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| 109 | Authorship and the Use of Biological Information in Endangered Species Recovery Plans. Conservation Biology, 2001, 15, 1308-1314. | 2.4 | 4 |
| 110 | First Evidence for Adoption in California Sea Lions. PLoS ONE, 2010, 5, e13873. | 1.1 | 4 |
| 111 | The Potential Impact of Labor Choices on the Efficacy of Marine Conservation Strategies. PLoS ONE, 2011, 6, e23722. | 1.1 | 4 |
| 112 | Ecological Synthesis and Its Role in Advancing Knowledge. BioScience, 0, , . | 2.2 | 4 |
| 113 | Marine Mammals, Extinctions of. , 2001, , 37-69. | | 3 |
| 114 | Marine Mammals, Extinctions of. , 2013, , 64-93. | | 3 |
| 115 | Flame Retardant Contamination and Seafood Sustainability. Sustainability, 2018, 10, 1070. | 1.6 | 3 |
| 116 | Aligning actions with objectives in endangered species recovery plans. Conservation Science and Practice, 2021, 3, e473. | 0.9 | 3 |
| 117 | Delisting of Species under the ESA. Conservation Biology, 2003, 17, 651-652. | 2.4 | 2 |
| 118 | The value of increased spatial resolution of pesticide usage data for assessing risk to endangered species. Conservation Science and Practice, 2021, 3, e551. | 0.9 | 2 |
| 119 | Developing a non-invasive indicator of pinniped health: Neonate behavior and growth in California sea lions (Zalophus californianus). Ciencias Marinas, 2010, 36, 311-321. | 0.4 | 2 |
| 120 | Habitat Conservation Plans provide limited insight into the cost of complying with the Endangered Species Act. Conservation Science and Practice, 0, , . | 0.9 | 2 |
| 121 | Evaluation of Bowhead Whale Status: Reply to Taylor. Conservation Biology, 2003, 17, 918-920. | 2.4 | 1 |
| 122 | Does trophic level predict seafood sustainability?. Frontiers in Ecology and the Environment, 2013, 11, 122-123. | 1.9 | 1 |
| 123 | Facilitate, don't forbid, trade between conservationists and resource harvesters. , 2014, 24, 23-24. | | 1 |
| 124 | The marriage of business and ecology. Frontiers in Ecology and the Environment, 2016, 14, 3-3. | 1.9 | 1 |
| 125 | CONSERVATION BIOLOGY OF CETACEANS IN MARINE COMMUNITIES OF BAJA CALIFORNIA: SCIENCE OR ADVOCACY?. Global Ecology and Biogeography, 2001, 10, 335-336. | 2.7 | 0 |
| 126 | The Scientific Whaling Loophole. Science, 2012, 337, 1038-1038. | 6.0 | 0 |

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|---|---|---|---|
| 127 | A deal with Japan on whaling?. Frontiers in Ecology and the Environment, 2015, 13, 347-347. | 1.9 | 0 |
| 128 | Beyond the whaling stalemate. Frontiers in Ecology and the Environment, 2016, 14, 182-183. | 1.9 | 0 |
| 129 | Incentives for GalÃ¡pagos protection. Science, 2017, 358, 313-314. | 6.0 | 0 |
| 130 | Glenn R. VanBlaricom â€ 1949â€“2020. Marine Mammal Science, 2021, 37, 772-775. | 0.9 | 0 |
| 131 | Refining the Ecosystems Services Model: Integrating Animal Behavior into Ecotourism Management. , 2021, , . | | 0 |