## Stephan B Munch

## List of Publications by Year

 in descending orderSource: https:/|exaly.com/author-pdf/1183226/publications.pdf
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Model-free forecasting outperforms the correct mechanistic model for simulated and experimental
6 data. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110,
11 Local adaptation in transgenerational responses to predators. Proceedings of the Royal Society B: Biological Sciences, 2016, 283, 20152271.
$2.6 \quad 65$

Determining Individual Variation in Growth and Its Implication for Life-History and Population
$12 \quad$ Processes UUsing the Empirical Bayes Method. PLoS Computational Biology, 2014, 10, e1003828.
3.2

61

Nonlinear dynamics and noise in fisheries recruitment: A global metaâ€analysis. Fish and Fisheries, 2018,
13 19, 964-973.
5.3

54

Bayesian nonparametric analysis of stockÂ-recruitment relationships. Canadian Journal of Fisheries and
1.4

51
Aquatic Sciences, 2005, 62, 1808-1821.

A Bayesian approach to identifying and compensating for model misspecification in population models.
$15 \quad \begin{aligned} & \text { A Bayesian approach to ident } \\ & \text { Ecology, 2014, 95, 329-341. }\end{aligned}$
3.2

44

16 Chaos is not rare in natural ecosystems. Nature Ecology and Evolution, 2022, 6, 1105-1111.
7.8

39

17 Trophic control changes with season and nutrient loading in lakes. Ecology Letters, 2020, 23,
1287-1297.
6.4

33

| 19 | Circumventing structural uncertainty: A Bayesian perspective on nonlinear forecasting for ecology. Ecological Complexity, 2017, 32, 134-143. | 2.9 | 30 |
| :---: | :---: | :---: | :---: |
| 20 | Avoiding tipping points in fisheries management through Gaussian process dynamic programming. Proceedings of the Royal Society B: Biological Sciences, 2015, 282, 20141631. | 2.6 | 29 |
| 21 | Thermal reaction norms for growth vary among cohorts of Pacific cod (Gadus macrocephalus). Marine Biology, 2012, 159, 2173-2183. | 1.5 | 28 |
| 22 | Trait variation in extreme thermal environments under constant and fluctuating temperatures. Philosophical Transactions of the Royal Society B: Biological Sciences, 2019, 374, 20180177. | 4.0 | 27 |
| 23 | Why do larger mothers produce larger offspring? A test of classic theory. Ecology, 2016, 97, 3452-3459. | 3.2 | 18 |
| 24 | Does Reproductive Investment Decrease Telomere Length in Menidia menidia?. PLoS ONE, 2015, 10, e0125674. | 2.5 | 18 |
| 25 | Tradeâ€offs between accuracy and interpretability in von <scp>B</scp>ertalanffy randomâ€effects models of growth. Ecological Applications, 2016, 26, 1535-1552. | 3.8 | 17 |
| 26 | Estimating partial regulation in spatiotemporal models of community dynamics. Ecology, 2017, 98, 1277-1289. | 3.2 | 16 |
| 27 | RAPID GROWTH RESULTS IN INCREASED SUSCEPTIBILITY TO PREDATION IN MENIDIA MENIDIA. Evolution; International Journal of Organic Evolution, 2003, 57, 2119. | 2.3 | 14 |
| 28 | Ecosystem based multi-species management using Empirical Dynamic Programming. Ecological Modelling, 2021, 441, 109423. | 2.5 | 14 |
| 29 | Hidden similarities in the dynamics of a weakly synchronous marine metapopulation. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 479-485. | 7.1 | 12 |
| 30 | Forecasting in the face of ecological complexity: Number and strength of species interactions determine forecast skill in ecological communities. Ecology Letters, 2022, 25, 1974-1985. | 6.4 | 12 |
| 31 | Environmental variability and fishing effects on the Pacific sardine fisheries in the Gulf of California. Canadian Journal of Fisheries and Aquatic Sciences, 2021, 78, 623-630. | 1.4 | 10 |

32 A semiparametric Bayesian approach to estimating maximum reproductive rates at low population

