

# Tom W Bell

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/10490764/publications.pdf>

Version: 2024-02-01

32  
papers

1,375  
citations

430874

18  
h-index

395702

33  
g-index

34  
all docs

34  
docs citations

34  
times ranked

1910  
citing authors

#	ARTICLE	IF	CITATIONS
1	Automated satellite remote sensing of giant kelp at the Falkland Islands (Islas Malvinas). PLoS ONE, 2022, 17, e0257933.	2.5	11
2	Tail-dependent spatial synchrony arises from nonlinear driver-response relationships. Ecology Letters, 2022, 25, 1189-1201.	6.4	10
3	Nutrient availability and senescence spatially structure the dynamics of a foundation species. Proceedings of the National Academy of Sciences of the United States of America, 2022, 119, .	7.1	2
4	Disturbance and nutrients synchronise kelp forests across scales through interacting Moran effects. Ecology Letters, 2022, 25, 1854-1868.	6.4	15
5	Habitat Features Predict Carrying Capacity of a Recovering Marine Carnivore. Journal of Wildlife Management, 2021, 85, 303-323.	1.8	14
6	An Automated Method for Mapping Giant Kelp Canopy Dynamics from UAV. Frontiers in Environmental Science, 2021, 8, .	3.3	35
7	Variation in disturbance to a foundation species structures the dynamics of a benthic reef community. Ecology, 2021, 102, e03304.	3.2	9
8	Southward decrease in the protection of persistent giant kelp forests in the northeast Pacific. Communications Earth & Environment, 2021, 2, .	6.8	9
9	Three decades of variability in California's giant kelp forests from the Landsat satellites. Remote Sensing of Environment, 2020, 238, 110811.	11.0	73
10	The Utility of Satellites and Autonomous Remote Sensing Platforms for Monitoring Offshore Aquaculture Farms: A Case Study for Canopy Forming Kelps. Frontiers in Marine Science, 2020, 7, .	2.5	20
11	Kelp forests at the end of the earth: 45 years later. PLoS ONE, 2020, 15, e0229259.	2.5	41
12	Remote sensing: generation of long-term kelp bed data sets for evaluation of impacts of climatic variation. Ecology, 2020, 101, e03031.	3.2	38
13	Impact of water characteristics on the discrimination of benthic cover in and around coral reefs from imaging spectrometer data. Remote Sensing of Environment, 2020, 239, 111631.	11.0	5
14	Sea Surface Temperature Imagery Elucidates Spatiotemporal Nutrient Patterns for Offshore Kelp Aquaculture Siting in the Southern California Bight. Frontiers in Marine Science, 2020, 7, .	2.5	13
15	Spatial Variability in the Resistance and Resilience of Giant Kelp in Southern and Baja California to a Multiyear Heatwave. Frontiers in Marine Science, 2019, 6, .	2.5	119
16	Spatial Planning of Marine Aquaculture Under Climate Decadal Variability: A Case Study for Mussel Farms in Southern California. Frontiers in Marine Science, 2019, 6, .	2.5	16
17	Regional patterns of physiological condition determine giant kelp net primary production dynamics. Limnology and Oceanography, 2018, 63, 472-483.	3.1	19
18	Scale-specific drivers of kelp forest communities. Oecologia, 2018, 186, 217-233.	2.0	25

#	ARTICLE	IF	CITATIONS
19	Marine biodiversity at the end of the world: Cape Horn and Diego Ram�rez islands. PLoS ONE, 2018, 13, e0189930.	2.5	32
20	Offshore aquaculture: Spatial planning principles for sustainable development. Ecology and Evolution, 2017, 7, 733-743.	1.9	128
21	Regional productivity predicts individual growth and recruitment of rockfishes in a northern California upwelling system. Limnology and Oceanography, 2017, 62, 754-767.	3.1	17
22	Fluctuations in population fecundity drive variation in demographic connectivity and metapopulation dynamics. Proceedings of the Royal Society B: Biological Sciences, 2017, 284, 20162086.	2.6	55
23	Disentangling the effects of fishing and environmental forcing on demographic variation in an exploited species. Biological Conservation, 2017, 209, 488-498.	4.1	11
24	CO <sub>2</sub> exchange and evapotranspiration across dryland ecosystems of southwestern North America. Global Change Biology, 2017, 23, 4204-4221.	9.5	164
25	A year in the life of a central California kelp forest: physical and biological insights into biogeochemical variability. Biogeosciences, 2017, 14, 31-44.	3.3	34
26	Terrestrial carbon balance in a drier world: the effects of water availability in southwestern North America. Global Change Biology, 2016, 22, 1867-1879.	9.5	142
27	Spatial synchrony of amphipods in giant kelp forests. Marine Biology, 2016, 163, 1.	1.5	6
28	Geographical variability in the controls of giant kelp biomass dynamics. Journal of Biogeography, 2015, 42, 2010-2021.	3.0	107
29	Seascape drivers of <i>Microcystis pyrifera</i> population genetic structure in the northeast Pacific. Molecular Ecology, 2015, 24, 4866-4885.	3.9	55
30	Remote monitoring of giant kelp biomass and physiological condition: An evaluation of the potential for the Hyperspectral Infrared Imager (HyspIRI) mission. Remote Sensing of Environment, 2015, 167, 218-228.	11.0	64
31	Connectivity structures local population dynamics: a long-term empirical test in a large metapopulation system. Ecology, 2015, 96, 3141-3152.	3.2	50
32	Carbon dioxide exchange over multiple temporal scales in an arid shrub ecosystem near La Paz, Baja California Sur, Mexico. Global Change Biology, 2012, 18, 2570-2582.	9.5	32