

Tom W Bell

List of Publications by Year in descending order

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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	CO_2 exchange and evapotranspiration across dryland ecosystems of southwestern North America. <i>Global Change Biology</i> , 2017, 23, 4204-4221.	9.5	164
2	Terrestrial carbon balance in a drier world: the effects of water availability in southwestern North America. <i>Global Change Biology</i> , 2016, 22, 1867-1879.	9.5	142
3	Offshore aquaculture: Spatial planning principles for sustainable development. <i>Ecology and Evolution</i> , 2017, 7, 733-743.	1.9	128
4	Spatial Variability in the Resistance and Resilience of Giant Kelp in Southern and Baja California to a Multiyear Heatwave. <i>Frontiers in Marine Science</i> , 2019, 6, .	2.5	119
5	Geographical variability in the controls of giant kelp biomass dynamics. <i>Journal of Biogeography</i> , 2015, 42, 2010-2021.	3.0	107
6	Three decades of variability in California's giant kelp forests from the Landsat satellites. <i>Remote Sensing of Environment</i> , 2020, 238, 110811.	11.0	73
7	Remote monitoring of giant kelp biomass and physiological condition: An evaluation of the potential for the Hyperspectral Infrared Imager (HypSIRI) mission. <i>Remote Sensing of Environment</i> , 2015, 167, 218-228.	11.0	64
8	Seascape drivers of <i>Macrocystis pyrifera</i> population genetic structure in the northeast Pacific. <i>Molecular Ecology</i> , 2015, 24, 4866-4885.	3.9	55
9	Fluctuations in population fecundity drive variation in demographic connectivity and metapopulation dynamics. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2017, 284, 20162086.	2.6	55
10	Connectivity structures local population dynamics: a long-term empirical test in a large metapopulation system. <i>Ecology</i> , 2015, 96, 3141-3152.	3.2	50
11	Kelp forests at the end of the earth: 45 years later. <i>PLoS ONE</i> , 2020, 15, e0229259.	2.5	41
12	Remote sensing: generation of long-term kelp bed data sets for evaluation of impacts of climatic variation. <i>Ecology</i> , 2020, 101, e03031.	3.2	38
13	An Automated Method for Mapping Giant Kelp Canopy Dynamics from UAV. <i>Frontiers in Environmental Science</i> , 2021, 8, .	3.3	35
14	A year in the life of a central California kelp forest: physical and biological insights into biogeochemical variability. <i>Biogeosciences</i> , 2017, 14, 31-44.	3.3	34
15	Carbon dioxide exchange over multiple temporal scales in an arid shrub ecosystem near La Paz, Baja California Sur, Mexico. <i>Global Change Biology</i> , 2012, 18, 2570-2582.	9.5	32
16	Marine biodiversity at the end of the world: Cape Horn and Diego Ramírez islands. <i>PLoS ONE</i> , 2018, 13, e0189930.	2.5	32
17	Scale-specific drivers of kelp forest communities. <i>Oecologia</i> , 2018, 186, 217-233.	2.0	25
18	The Utility of Satellites and Autonomous Remote Sensing Platforms for Monitoring Offshore Aquaculture Farms: A Case Study for Canopy Forming Kelps. <i>Frontiers in Marine Science</i> , 2020, 7, .	2.5	20

#	ARTICLE	IF	CITATIONS
19	Regional patterns of physiological condition determine giant kelp net primary production dynamics. <i>Limnology and Oceanography</i> , 2018, 63, 472-483.	3.1	19
20	Regional productivity predicts individual growth and recruitment of rockfishes in a northern California upwelling system. <i>Limnology and Oceanography</i> , 2017, 62, 754-767.	3.1	17
21	Spatial Planning of Marine Aquaculture Under Climate Decadal Variability: A Case Study for Mussel Farms in Southern California. <i>Frontiers in Marine Science</i> , 2019, 6, .	2.5	16
22	Disturbance and nutrients synchronise kelp forests across scales through interacting Moran effects. <i>Ecology Letters</i> , 2022, 25, 1854-1868.	6.4	15
23	Habitat Features Predict Carrying Capacity of a Recovering Marine Carnivore. <i>Journal of Wildlife Management</i> , 2021, 85, 303-323.	1.8	14
24	Sea Surface Temperature Imagery Elucidates Spatiotemporal Nutrient Patterns for Offshore Kelp Aquaculture Siting in the Southern California Bight. <i>Frontiers in Marine Science</i> , 2020, 7, .	2.5	13
25	Disentangling the effects of fishing and environmental forcing on demographic variation in an exploited species. <i>Biological Conservation</i> , 2017, 209, 488-498.	4.1	11
26	Automated satellite remote sensing of giant kelp at the Falkland Islands (Islas Malvinas). <i>PLoS ONE</i> , 2022, 17, e0257933.	2.5	11
27	Tail-dependent spatial synchrony arises from nonlinear driver-response relationships. <i>Ecology Letters</i> , 2022, 25, 1189-1201.	6.4	10
28	Variation in disturbance to a foundation species structures the dynamics of a benthic reef community. <i>Ecology</i> , 2021, 102, e03304.	3.2	9
29	Southward decrease in the protection of persistent giant kelp forests in the northeast Pacific. <i>Communications Earth & Environment</i> , 2021, 2, .	6.8	9
30	Spatial synchrony of amphipods in giant kelp forests. <i>Marine Biology</i> , 2016, 163, 1.	1.5	6
31	Impact of water characteristics on the discrimination of benthic cover in and around coral reefs from imaging spectrometer data. <i>Remote Sensing of Environment</i> , 2020, 239, 111631.	11.0	5
32	Nutrient availability and senescence spatially structure the dynamics of a foundation species. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2022, 119, .	7.1	2