

# Igor M Belkin

## List of Publications by Year in descending order

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Version: 2024-02-01

38  
papers

3,782  
citations

361045

20  
h-index

329751

37  
g-index

43  
all docs

43  
docs citations

43  
times ranked

4457  
citing authors

#	ARTICLE	IF	CITATIONS
1	Rapid warming of Large Marine Ecosystems. Progress in Oceanography, 2009, 81, 207-213.	1.5	735
2	Southern Ocean fronts from the Greenwich meridian to Tasmania. Journal of Geophysical Research, 1996, 101, 3675-3696.	3.3	601
3	“Great Salinity Anomalies” in the North Atlantic. Progress in Oceanography, 1998, 41, 1-68.	1.5	400
4	Fronts in Large Marine Ecosystems. Progress in Oceanography, 2009, 81, 223-236.	1.5	344
5	Temporal variation in the sediment load of the Yangtze river and the influences of human activities. Journal of Hydrology, 2002, 263, 56-71.	2.3	304
6	Delta response to decline in sediment supply from the Yangtze River: evidence of the recent four decades and expectations for the next half-century. Estuarine, Coastal and Shelf Science, 2003, 57, 689-699.	0.9	205
7	An algorithm for oceanic front detection in chlorophyll and SST satellite imagery. Journal of Marine Systems, 2009, 78, 319-326.	0.9	189
8	Propagation of the “Great Salinity Anomaly” of the 1990s around the northern North Atlantic. Geophysical Research Letters, 2004, 31, .	1.5	167
9	Climatology and seasonal variability of ocean fronts in the East China, Yellow and Bohai seas from satellite SST data. Geophysical Research Letters, 2000, 27, 2945-2948.	1.5	154
10	Accelerated Warming and Emergent Trends in Fisheries Biomass Yields of the World's Large Marine Ecosystems. Ambio, 2009, 38, 215-224.	2.8	79
11	Remote climate forcing of decadal-scale regime shifts in Northwest Atlantic shelf ecosystems. Limnology and Oceanography, 2013, 58, 803-816.	1.6	78
12	Evolution of an anticyclonic eddy southwest of Taiwan. Ocean Dynamics, 2013, 63, 519-531.	0.9	54
13	Organic pollutants and ocean fronts across the Atlantic Ocean: A review. Progress in Oceanography, 2014, 128, 172-184.	1.5	50
14	Remote Sensing of Ocean Fronts in Marine Ecology and Fisheries. Remote Sensing, 2021, 13, 883.	1.8	48
15	Temporal variability of the Subarctic Front near the Charlie-Gibbs Fracture Zone. Journal of Geophysical Research, 1996, 101, 28317-28324.	3.3	45
16	Sea surface temperature fronts affect distribution of Pacific saury (Cololabis saira) in the Northwestern Pacific Ocean. Deep-Sea Research Part II: Topical Studies in Oceanography, 2014, 107, 15-21.	0.6	44
17	Decadal variability of the North Pacific Polar Front: Subsurface warming versus surface cooling. Geophysical Research Letters, 2002, 29, 65-1-65-4.	1.5	35
18	Toward biophysical synergy: Investigating advection along the Polar Front to identify factors influencing Alaska sablefish recruitment. Deep-Sea Research Part II: Topical Studies in Oceanography, 2014, 107, 40-53.	0.6	27

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19	Long-term variability of sea surface temperature in Taiwan Strait. <i>Climatic Change</i> , 2014, 124, 821-834.	1.7	26
20	East Hainan upwelling fronts detected by remote sensing and modelled in summer. <i>International Journal of Remote Sensing</i> , 2014, 35, 4441-4451.	1.3	22
21	The application of satellite remote sensing for assessing productivity in relation to fisheries yields of the world's large marine ecosystems. <i>ICES Journal of Marine Science</i> , 2011, 68, 667-676.	1.2	17
22	Thermal fronts of the southern South China Sea from satellite and <i>in situ</i> data. <i>International Journal of Remote Sensing</i> , 2012, 33, 7458-7468.	1.3	13
23	A peculiar lens-shaped structure observed in the South China Sea. <i>Scientific Reports</i> , 2017, 7, 478.	1.6	13
24	A Double-Thermostad Warm-Core Ring of the Gulf Stream. <i>Journal of Physical Oceanography</i> , 2020, 50, 489-507.	0.7	12
25	Comparative assessment of the West Bering Sea and East Bering Sea Large Marine Ecosystems. <i>Environmental Development</i> , 2016, 17, 145-156.	1.8	10
26	Iron Regulation of North Atlantic Eddy Phytoplankton Productivity. <i>Geophysical Research Letters</i> , 2021, 48, e2020GL091403.	1.5	9
27	Changing states of North Atlantic large marine ecosystems. <i>Environmental Development</i> , 2013, 7, 46-58.	1.8	8
28	Wall Across the Atlantic: Drift Bottles Released by Students Confirm that the Gulf Stream Prevents Subarctic Surface Drifters from Escaping South. <i>Oceanography</i> , 2011, 24, 172-174.	0.5	8
29	Field Report: Exploring Fronts with Multiple Robots. , 2018, , .		7
30	A new front-tracking algorithm for marine robots. , 2018, , .		6
31	Satellite observations of suspended sediment near Ningbo North Dyke, China. <i>Advances in Space Research</i> , 2019, 64, 1415-1422.	1.2	6
32	New old frontier: ocean fronts. <i>Dynamics of Atmospheres and Oceans</i> , 2002, 36, 1-2.	0.7	5
33	On the discovery of ferromanganese nodules in the World Ocean. <i>Deep-Sea Research Part I: Oceanographic Research Papers</i> , 2021, 175, 103589.	0.6	4
34	Marine robotics exploration of a large-scale open-ocean front. , 2018, , .		3
35	Dynamics of oceanic fronts and their interaction with atmosphere and abyssal circulation. <i>Dynamics of Atmospheres and Oceans</i> , 2008, 45, 69-70.	0.7	2
36	Fronts in the Baltic Sea: A Review with a Focus on Its North-Eastern Part. <i>Handbook of Environmental Chemistry</i> , 2021, , 143-181.	0.2	2

#	ARTICLE	IF	CITATIONS
37	Response to the Vasilets (2019) comments on Belkin (2016). Environmental Development, 2019, 32, 100448.	1.8	0
38	Introduction to the Chemical Oceanography of Frontal Zones. Handbook of Environmental Chemistry, 2022, , .	0.2	0