

# Otis B Brown

## List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

63  
papers

5,497  
citations

34  
h-index

69  
g-index

69  
ext. papers

5,924  
ext. citations

6.3  
avg, IF

4.65  
L-index

#	Paper	IF	Citations
63	Sensitivity of Arctic Sea Ice Extent to Sea Ice Concentration Threshold Choice and Its Implication to Ice Coverage Decadal Trends and Statistical Projections. <i>Remote Sensing</i> , <b>2020</b> , 12, 807	5	2
62	Observations for Model Intercomparison Project (Obs4MIPs): status for CMIP6. <i>Geoscientific Model Development</i> , <b>2020</b> , 13, 2945-2958	6.3	9
61	Observations for Model Intercomparison Project (Obs4MIPs): Status for CMIP6 <b>2019</b> ,		1
60	A Conceptual Enterprise Framework for Managing Scientific Data Stewardship. <i>Data Science Journal</i> , <b>2018</b> , 17, 15	2	9
59	Unlocking the Potential of NEXRAD Data through NOAA's Big Data Partnership. <i>Bulletin of the American Meteorological Society</i> , <b>2018</b> , 99, 189-204	6.1	30
58	A decade of sea surface temperature from MODIS. <i>Remote Sensing of Environment</i> , <b>2015</b> , 165, 27-41	13.2	132
57	Challenges of a Sustained Climate Observing System <b>2013</b> , 13-50		15
56	Tidal variations of flow convergence, shear, and stratification at the Rio de la Plata estuary turbidity front. <i>Journal of Geophysical Research</i> , <b>2008</b> , 113,		12
55	Five years of Florida Current structure and transport from the Royal Caribbean Cruise Ship Explorer of the Seas. <i>Journal of Geophysical Research</i> , <b>2008</b> , 113,		32
54	Seasonal and interannual studies of vortices in sea surface temperature data. <i>International Journal of Remote Sensing</i> , <b>2004</b> , 25, 1371-1376	3.1	5
53	On the limiting aerodynamic roughness of the ocean in very strong winds. <i>Geophysical Research Letters</i> , <b>2004</b> , 31,	4.9	542
52	The Marine-Atmospheric Emitted Radiance Interferometer: A High-Accuracy, Seagoing Infrared Spectroradiometer. <i>Journal of Atmospheric and Oceanic Technology</i> , <b>2001</b> , 18, 994-1013	2	142
51	An Independent Assessment of Pathfinder AVHRR Sea Surface Temperature Accuracy Using the Marine Atmosphere Emitted Radiance Interferometer (MAERI). <i>Bulletin of the American Meteorological Society</i> , <b>2000</b> , 81, 1525-1536	6.1	89
50	members of commissions, boards, and committees1. <i>Bulletin of the American Meteorological Society</i> , <b>1999</b> , 80, 1599-1620	6.1	
49	Physical Characteristics and Processes of the Río de la Plata Estuary <b>1999</b> , 161-194		31
48	An overview of MODIS capabilities for ocean science observations. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , <b>1998</b> , 36, 1250-1265	8.1	334
47	Agulhas ring dynamics from TOPEX/POSEIDON satellite altimeter data. <i>Journal of Marine Research</i> , <b>1997</b> , 55, 861-883	1.5	87

46	Observations of the Infrared Radiative Properties of the Ocean Implications for the Measurement of Sea Surface Temperature via Satellite Remote Sensing. <i>Bulletin of the American Meteorological Society</i> , <b>1996</b> , 77, 41-51	6.1	114
45	Study of the Río de la Plata turbidity front, Part 1: spatial and temporal distribution. <i>Continental Shelf Research</i> , <b>1996</b> , 16, 1259-1282	2.4	164
44	Assimilation of Sea Surface Height Data into an Isopycnic Ocean Model. <i>Journal of Physical Oceanography</i> , <b>1996</b> , 26, 1189-1213	2.4	6
43	Mesoscale ocean variability signal recovered from altimeter data in the SW Atlantic Ocean: a comparison of orbit error correction in three Geosat data sets. <i>Boletim Do Instituto Oceanográfico</i> , <b>1995</b> , 43, 101-110		
42	A comparison of GEOSAT altimeter inferred currents and measured flow at 5400 m depth in the Argentine Basin. <i>Deep-Sea Research Part II: Topical Studies in Oceanography</i> , <b>1993</b> , 40, 989-999	2.3	5
41	Eddy and wave dynamics in the South Atlantic as diagnosed from Geosat altimeter data. <i>Journal of Geophysical Research</i> , <b>1993</b> , 98, 12297		12
40	Calibration of advanced very high resolution radiometer infrared channels: A new approach to nonlinear correction. <i>Journal of Geophysical Research</i> , <b>1993</b> , 98, 18257		36
39	Efficient objective analysis of dynamically heterogeneous and nonstationary fields via the parameter matrix. <i>Deep-sea Research Part A, Oceanographic Research Papers</i> , <b>1992</b> , 39, 1255-1271		56
38	Observations of offshore shelf-water transport induced by a warm-core ring. <i>Deep-sea Research Part A, Oceanographic Research Papers</i> , <b>1992</b> , 39, S97-S113		43
37	Analysis of a general circulation model product: 1. Frontal systems in the Brazil/Malvinas and Kuroshio/Oyashio regions. <i>Journal of Geophysical Research</i> , <b>1992</b> , 97, 20117		14
36	The Annual Cycle of Satellite-derived Sea Surface Temperature in the Southwestern Atlantic Ocean. <i>Journal of Climate</i> , <b>1991</b> , 4, 457-467	4.4	58
35	Surface-ocean color and deep-ocean carbon flux: how close a connection?. <i>Deep-sea Research Part A, Oceanographic Research Papers</i> , <b>1990</b> , 37, 1331-1343		91
34	Gulf Stream remote forcing of shelfbreak currents in the Mid-Atlantic Bight. <i>Geophysical Research Letters</i> , <b>1988</b> , 15, 405-407	4.9	24
33	A semianalytic radiance model of ocean color. <i>Journal of Geophysical Research</i> , <b>1988</b> , 93, 10909		895
32	Temporal variations in the separation of Brazil and Malvinas Currents. <i>Deep-sea Research Part A, Oceanographic Research Papers</i> , <b>1988</b> , 35, 1971-1990		237
31	Processing, Compression and Transmission of Satellite IR Data for Near-Real-Time Use at Sea. <i>Journal of Atmospheric and Oceanic Technology</i> , <b>1988</b> , 5, 320-327	2	5
30	Processing and analysis of large volumes of satellite-derived thermal infrared data. <i>Journal of Geophysical Research</i> , <b>1987</b> , 92, 12993		36
29	Multiplatform sampling (ship, aircraft, and satellite) of a Gulf Stream warm core ring. <i>Applied Optics</i> , <b>1987</b> , 26, 2068-81	1.7	34

28	Gulf Stream warm rings: a statistical study of their behavior. <i>Deep-sea Research Part A, Oceanographic Research Papers</i> , <b>1986</b> , 33, 1459-1473		73
27	Phytoplankton blooming off the u.s. East coast: a satellite description. <i>Science</i> , <b>1985</b> , 229, 163-7	33.3	97
26	Remote Sensing of Shelf Sea Hydrodynamics. <i>Eos</i> , <b>1985</b> , 66, 605	1.5	
25	Chronology of warm-core ring 82B. <i>Journal of Geophysical Research</i> , <b>1985</b> , 90, 8803		100
24	Calibration of advanced very high resolution radiometer infrared observations. <i>Journal of Geophysical Research</i> , <b>1985</b> , 90, 11667		83
23	Rapid evolution of a Gulf Stream warm-core ring. <i>Nature</i> , <b>1984</b> , 308, 837-840	50.4	78
22	Gulf Stream frontal statistics from Florida Straits to Cape Hatteras derived from satellite and historical data. <i>Journal of Geophysical Research</i> , <b>1983</b> , 88, 4569-4577		52
21	Advances in satellite oceanography. <i>Reviews of Geophysics</i> , <b>1983</b> , 21, 1216	23.1	17
20	Phytoplankton pigment concentrations in the Middle Atlantic Bight: comparison of ship determinations and CZCS estimates. <i>Applied Optics</i> , <b>1983</b> , 22, 20-36	1.7	582
19	Nimbus 7 CZCS: reduction of its radiometric sensitivity with time. <i>Applied Optics</i> , <b>1983</b> , 22, 3929-31	1.7	99
18	Development of Near-Surface Flow Pattern and Water Mass Distribution in the Somali Basin in Response to the Southwest Monsoon of 1979. <i>Journal of Physical Oceanography</i> , <b>1983</b> , 13, 1398-1415	2.4	81
17	Satellite infrared observations of the kinematics of a warm-core ring. <i>Marine and Freshwater Research</i> , <b>1983</b> , 34, 535	2.2	48
16	Propagation of thermal fronts in the somali current system. <i>Deep-sea Research Part A, Oceanographic Research Papers</i> , <b>1981</b> , 28, 521-527		52
15	Interannual Variability of Arabian Sea Surface Temperature <b>1981</b> , 135-143		3
14	Evidence for zonally-trapped propagating waves in the eastern atlantic from satellite sea surface temperature observations. <i>Boundary-Layer Meteorology</i> , <b>1980</b> , 18, 145-157	3.4	2
13	Evolution of sea surface temperature in the somali basin during the southwest monsoon of 1979. <i>Science</i> , <b>1980</b> , 209, 595-7	33.3	56
12	OBSERVATION OF LONG PERIOD SEA SURFACE TEMPERATURE VARIABILITY DURING GATE <b>1980</b> , 103-124		
11	A multi-phase Monte Carlo technique for simulation of radiative transfer. <i>Journal of Quantitative Spectroscopy and Radiative Transfer</i> , <b>1975</b> , 15, 419-422	2.1	5

10	Computed relationships between the inherent and apparent optical properties of a flat homogeneous ocean. <i>Applied Optics</i> , <b>1975</b> , 14, 417-27	1.7	487
9	Diffuse reflectance of the ocean: some effects of vertical structure. <i>Applied Optics</i> , <b>1975</b> , 14, 2892-5	1.7	20
8	Influence of bottom depth and albedo on the diffuse reflectance of a flat homogeneous ocean. <i>Applied Optics</i> , <b>1974</b> , 13, 2153-9	1.7	42
7	Size-refractive index distribution of clear coastal water particulates from light scattering. <i>Applied Optics</i> , <b>1974</b> , 13, 2874-81	1.7	38
6	Comment on Method for the determination of the index of refraction of particles suspended in the ocean. <i>Journal of the Optical Society of America</i> , <b>1973</b> , 63, 1616		8
5	Irradiance reflectivity of a flat ocean as a function of its optical properties. <i>Applied Optics</i> , <b>1973</b> , 12, 1549-51	1.7	43
4	Two component mie scattering models of sargasso sea particles. <i>Applied Optics</i> , <b>1973</b> , 12, 2461-5	1.7	41
3	Theory of Coincidence Counts and Simple Practical Methods of Coincidence Count Correction for Optical and Resistive Pulse Particle Counters. <i>Review of Scientific Instruments</i> , <b>1972</b> , 43, 1407-1412	1.7	21
2	A THEORETICAL MODEL OF LIGHT SCATTERING BY SARGASSO SEA PARTICULATES <sup>1</sup> . <i>Limnology and Oceanography</i> , <b>1972</b> , 17, 826-832	4.8	40
1	Sea-surface temperature measurements from the Moderate-Resolution Imaging Spectroradiometer (MODIS) on Aqua and Terra		26