Fabien Durand

List of Publications by Year
in descending order

66	2,874	136950	175258
papers	citations	32 h-index	52 g-index

69	69	69	2761
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Role of the amazon outflow on the barotropic tide on the amazonian shelf. Continental Shelf Research, 2022, 238, 104695.	1.8	1
2	The Global Patterns of Interannual and Intraseasonal Mass Variations in the Oceans from GRACE and GRACE Follow-On Records. Remote Sensing, 2022, 14, 1861.	4.0	2
3	Increased population exposure to Amphanâ€scale cyclones under future climates. Climate Resilience and Sustainability, 2022, 1, .	2.3	3
4	Investigating the robustness of the intraseasonal see-saw in the Indo-Pacific barotropic sea level across models. Ocean Dynamics, 2022, 72, 523-538.	2.2	2
5	Influence of ocean salinity stratification on the tropical Atlantic Ocean surface. Climate Dynamics, 2021, 57, 321-340.	3.8	9
6	Comprehensive bathymetry and intertidal topography of the Amazon estuary. Earth System Science Data, 2021, 13, 2275-2291.	9.9	12
7	Madden-Julian oscillation winds excite an intraseasonal see-saw of ocean mass that affects Earthâ€™s polar motion. Communications Earth & Environment, 2021, 2, .	6.8	10
8	Towards an efficient storm surge and inundation forecasting system over the Bengal delta: chasing the Supercyclone Amphan. Natural Hazards and Earth System Sciences, 2021, 21, 2523-2541.	3.6	14
9	Amazon Hydrology From Space: Scientific Advances and Future Challenges. Reviews of Geophysics, 2021, 59, e2020RG000728.	23.0	53
10	Water level changes, subsidence, and sea level rise in the Gangesâ€“Brahmaputraâ€“Meghna delta. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 1867-1876.	7.1	86
11	Sea level rise inducing tidal modulation along the coasts of Bengal delta. Continental Shelf Research, 2020, 211, 104289.	1.8	14
12	Recent salinity intrusion in the Bengal delta: Observations and possible causes. Continental Shelf Research, 2020, 202, 104142.	1.8	22
13	Role of the Tide on the Structure of the Amazon Plume: A Numerical Modeling Approach. Journal of Geophysical Research: Oceans, 2020, 125, e2019JC015495.	2.6	13
14	Towards Comprehensive Observing and Modeling Systems for Monitoring and Predicting Regional to Coastal Sea Level. Frontiers in Marine Science, 2019, 6, .	2.5	51
15	Projected changes of inundation of cyclonic storms in the Gangesâ€“Brahmaputraâ€“Meghna delta of Bangladesh due to SLR by 2100. Journal of Earth System Science, 2019, 128, 1.	1.3	18
16	Impact of Continental Freshwater Runoff on Coastal Sea Level. Surveys in Geophysics, 2019, 40, 1437-1466.	4.6	43
17	Basin-wide sea level coherency in the tropical Indian Ocean driven by Maddenâ€“Julian Oscillation. Nature Communications, 2019, 10, 1257.	12.8	21
18	Is there an effect of Bay of Bengal salinity on the northern Indian Ocean climatological rainfall?. Deep-Sea Research Part II: Topical Studies in Oceanography, 2019, 166, 19-33.	1.4	15

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19	High-Resolution Intertidal Topography from Sentinel-2 Multi-Spectral Imagery: Synergy between Remote Sensing and Numerical Modeling. Remote Sensing, 2019, 11, 2888.	4.0	18
20	Signature of Indian Ocean Dipole on the western boundary current of the Bay of Bengal. Deep-Sea Research Part I: Oceanographic Research Papers, 2018, 136, 91-106.	1.4	19
21	Can We Improve Parametric Cyclonic Wind Fields Using Recent Satellite Remote Sensing Data?. Remote Sensing, 2018, 10, 1963.	4.0	23
22	Topography of the intertidal zone along the shoreline of Chittagong (Bangladesh) using PROBA-V imagery. International Journal of Remote Sensing, 2018, 39, 9004-9024.	2.9	8
23	Roles of land surface albedo and horizontal resolution on the Indian summer monsoon biases in a coupled oceanâ€“atmosphere tropical-channel model. Climate Dynamics, 2017, 48, 1571-1594.	3.8	22
24	Towards improved storm surge models in the northern Bay of Bengal. Continental Shelf Research, 2017, 135, 58-73.	1.8	46
25	The East Caledonian Current: A Case Example for the Intercomparison between AltiKa and In Situ Measurements in a Boundary Current. Marine Geodesy, 2017, 40, 1-22.	2.0	6
26	Seasonal modulation of M2 tide in the Northern Bay of Bengal. Continental Shelf Research, 2017, 137, 154-162.	1.8	28
27	Do the Amazon and Orinoco freshwater plumes really matter for hurricaneâ€induced ocean surface cooling?. Journal of Geophysical Research: Oceans, 2016, 121, 2119-2141.	2.6	33
28	A modeling study of processes controlling the Bay of Bengal sea surface salinity interannual variability. Journal of Geophysical Research: Oceans, 2016, 121, 8471-8495.	2.6	37
29	Improved Bathymetric Dataset and Tidal Model for the Northern Bay of Bengal. Marine Geodesy, 2016, 39, 422-438.	2.0	31
30	Assessment of seasonal and year-to-year surface salinity signals retrieved from SMOS and Aquarius missions in the Bay of Bengal. International Journal of Remote Sensing, 2016, 37, 1089-1114.	2.9	21
31	Observed year-to-year sea surface salinity variability in the Bay of Bengal during the 2009â€“2014 period. Ocean Dynamics, 2015, 65, 173-186.	2.2	41
32	Preliminary Assessment of SARAL/AltiKa Observations over the Ganges-Brahmaputra and Irrawaddy Rivers. Marine Geodesy, 2015, 38, 568-580.	2.0	58
33	Salinity Measurements Collected by Fishermen Reveal a â€œRiver in the Seaâ€•Flowing Along the Eastern Coast of India. Bulletin of the American Meteorological Society, 2014, 95, 1897-1908.	3.3	71
34	The upper Bay of Bengal salinity structure in a high-resolution model. Ocean Modelling, 2014, 74, 36-52.	2.4	88
35	Role of fronts in the formation of Arabian Sea barrier layers during summer monsoon. Ocean Dynamics, 2014, 64, 809-822.	2.2	10
36	A modeling study of the processes of surface salinity seasonal cycle in the Bay of Bengal. Journal of Geophysical Research: Oceans, 2014, 119, 3926-3947.	2.6	125

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37	SMOS reveals the signature of Indian Ocean Dipole events. Ocean Dynamics, 2013, 63, 1203-1212.	2.2	42
38	Seasonal mixedâ€layer salinity balance in the tropical Atlantic Ocean: Mean state and seasonal cycle. Journal of Geophysical Research: Oceans, 2013, 118, 332-345.	2.6	52
39	Processes of Indiaâ€™s offshore summer intraseasonal sea surface temperature variability. Ocean Dynamics, 2013, 63, 329-346.	2.2	8
40	Origins of windâ€driven intraseasonal sea level variations in the North Indian Ocean coastal waveguide. Geophysical Research Letters, 2013, 40, 5740-5744.	4.0	46
41	Gangaâ€Brahmaputra river discharge from Jasonâ€2 radar altimetry: An update to the longâ€term satelliteâ€derived estimates of continental freshwater forcing flux into the Bay of Bengal. Journal of Geophysical Research, 2012, 117, .	3.3	138
42	Influence of upperâ€ocean stratification on tropical cycloneâ€induced surface cooling in the Bay of Bengal. Journal of Geophysical Research, 2012, 117, .	3.3	126
43	From the western boundary currents to the Pacific Equatorial Undercurrent: Modeled pathways and water mass evolutions. Journal of Geophysical Research, 2011, 116, .	3.3	70
44	Impact of Gangesâ€“Brahmaputra interannual discharge variations on Bay of Bengal salinity and temperature during 1992â€“1999 period. Journal of Earth System Science, 2011, 120, 859-872.	1.3	61
45	Minima of interannual sea-level variability in the Indian Ocean. Progress in Oceanography, 2010, 84, 225-241.	3.2	33
46	Satellite altimeterâ€derived monthly discharge of the Gangaâ€Brahmaputra River and its seasonal to interannual variations from 1993 to 2008. Journal of Geophysical Research, 2010, 115, .	3.3	174
47	Observed intra-seasonal to interannual variability of the upper ocean thermal structure in the southeastern Arabian Sea during 2002â€“2008. Deep-Sea Research Part I: Oceanographic Research Papers, 2010, 57, 739-754.	1.4	10
48	Annual Reversal of the Equatorial Intermediate Current in the Pacific: Observations and Model Diagnostics. Journal of Physical Oceanography, 2010, 40, 915-933.	1.7	40
49	Intraseasonal response of the northern Indian Ocean coastal waveguide to the Maddenâ€Julian Oscillation. Geophysical Research Letters, 2009, 36, .	4.0	65
50	Spatiotemporal structure of the East India Coastal Current from satellite altimetry. Journal of Geophysical Research, 2009, 114, .	3.3	112
51	Estimating boundary currents from satellite altimetry: A case study for the east coast of India. Journal of Oceanography, 2008, 64, 831-845.	1.7	38
52	Modeling the Barrier-Layer Formation in the Southeastern Arabian Sea*. Journal of Climate, 2007, 20, 2109-2120.	3.2	66
53	Simulated Seasonal and Interannual Variability of the Mixed Layer Heat Budget in the Northern Indian Ocean*. Journal of Climate, 2007, 20, 3249-3268.	3.2	111
54	Westward movement of eddies into the Gulf of Aden from the Arabian Sea. Journal of Geophysical Research, 2007, 112, .	3.3	41

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55	Basinâ€wide seasonal evolution of the Indian Ocean's phytoplankton blooms. Journal of Geophysical Research, 2007, 112, .	3.3	182
56	Wetland dynamics using a suite of satellite observations: A case study of application and evaluation for the Indian Subcontinent. Geophysical Research Letters, 2006, 33, .	4.0	44
57	A quantitative method for describing the seasonal cycles of surface chlorophyll in the Indian Ocean. , 2006, , .		8
58	Improved satellite altimetry for the observation of coastal ocean dynamics: a case study for the northern Indian Ocean. , 2006, 6406, 160.		0
59	A Statistical Method for Correcting Salinity Observations from Autonomous Profiling Floats: An ARGO Perspective. Journal of Atmospheric and Oceanic Technology, 2005, 22, 292-301.	1.3	5
60	Impact of barrier layer on winter-spring variability of the southeastern Arabian Sea. Geophysical Research Letters, 2005, 32, n/a-n/a.	4.0	97
61	Impact of temperature inversions on SST evolution in the South-Eastern Arabian Sea during the pre-summer monsoon season. Geophysical Research Letters, 2004, 31, .	4.0	75
62	Observational evidence for westward propagation of temperature inversions in the southeastern Arabian Sea. Geophysical Research Letters, 2004, 31, .	4.0	57
63	Can we improve the representation of modeled ocean mixed layer by assimilating surface-only satellite-derived data? A case study for the tropical Pacific during the 1997â€“1998 El NiÃ±o. Journal of Geophysical Research, 2003, 108, .	3.3	40
64	Assimilation of sea surface salinity in a tropical Oceanic General Circulation Model (OGCM): A twin experiment approach. Journal of Geophysical Research, 2002, 107, SRF 5-1-SRF 5-14.	3.3	19
65	Recent changes in the surface salinity of the North Atlantic subpolar gyre. Journal of Geophysical Research, 2002, 107, SFR 11-1-SFR 11-13.	3.3	27
66	On the Variability of the Tropical Pacific Thermal Structure during the 1979â€“96 Period, as Deduced from XBT Sections. Journal of Physical Oceanography, 2000, 30, 3261-3269.	1.7	11