

James Hench

List of Publications by Year in descending order

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Version: 2024-02-01

40
papers

1,829
citations

304368

22
h-index

288905

40
g-index

41
all docs

41
docs citations

41
times ranked

2159
citing authors

#	ARTICLE	IF	CITATIONS
1	Boundary layer dynamics and bottom friction in combined wave–current flows over large roughness elements. <i>Journal of Fluid Mechanics</i> , 2022, 931, .	1.4	7
2	Increasing comparability among coral bleaching experiments. <i>Ecological Applications</i> , 2021, 31, e02262.	1.8	68
3	An Island Mass Effect Resolved Near Moorea, French Polynesia. <i>Frontiers in Marine Science</i> , 2020, 7, .	1.2	17
4	Estimating Geometric Properties of Coral Reef Topography Using Obstacle- and Surface-Based Approaches. <i>Journal of Geophysical Research: Oceans</i> , 2020, 125, e2019JC015870.	1.0	2
5	Collapsing Complexity: Quantifying Multiscale Properties of Reef Topography. <i>Journal of Geophysical Research: Oceans</i> , 2019, 124, 5021-5038.	1.0	17
6	High resolution topobathymetry using a Pleiades-1 triplet: Moorea Island in 3D. <i>Remote Sensing of Environment</i> , 2018, 208, 109-119.	4.6	25
7	High frequency temperature variability reduces the risk of coral bleaching. <i>Nature Communications</i> , 2018, 9, 1671.	5.8	201
8	One-Dimensional Particle Tracking with Streamline Preserving Junctions for Flows in Channel Networks. <i>Journal of Hydraulic Engineering</i> , 2018, 144, .	0.7	8
9	Interaction of Waves with Idealized High-Relief Bottom Roughness. <i>Journal of Geophysical Research: Oceans</i> , 2018, 123, 3038-3059.	1.0	11
10	Critical Information Gaps Impeding Understanding of the Role of Larval Connectivity Among Coral Reef Islands in an Era of Global Change. <i>Frontiers in Marine Science</i> , 2018, 5, .	1.2	18
11	Very high resolution mapping of coral reef state using airborne bathymetric LiDAR surface-intensity and drone imagery. <i>International Journal of Remote Sensing</i> , 2018, 39, 5676-5688.	1.3	53
12	Mapping coral reefs using consumer-grade drones and structure from motion photogrammetry techniques. <i>Coral Reefs</i> , 2017, 36, 269-275.	0.9	211
13	Behavior of a wave-driven buoyant surface jet on a coral reef. <i>Journal of Geophysical Research: Oceans</i> , 2017, 122, 4088-4109.	1.0	6
14	Assessment of Submarine Groundwater Discharge (SGD) as a Source of Dissolved Radium and Nutrients to Moorea (French Polynesia) Coastal Waters. <i>Estuaries and Coasts</i> , 2016, 39, 1651-1668.	1.0	38
15	Simulating social-ecological systems: the Island Digital Ecosystem Avatars (IDEA) consortium. <i>GigaScience</i> , 2016, 5, 14.	3.3	15
16	Heat balances and thermally driven lagoon–ocean exchanges on a tropical coral reef system (Moorea, French Polynesia). <i>Journal of Geophysical Research: Oceans</i> , 2015, 120, 1233-1252.	1.0	21
17	Hydrodynamics influence coral performance through simultaneous direct and indirect effects. <i>Ecology</i> , 2015, 96, 1540-1549.	1.5	30
18	Observations of spatial flow patterns at the coral colony scale on a shallow reef flat. <i>Journal of Geophysical Research: Oceans</i> , 2013, 118, 1142-1156.	1.0	55

#	ARTICLE	IF	CITATIONS
19	Wave Transformation and Wave-Driven Flow across a Steep Coral Reef. <i>Journal of Physical Oceanography</i> , 2013, 43, 1356-1379.	0.7	101
20	Biological and Physical Interactions on a Tropical Island Coral Reef: Transport and Retention Processes on Moorea, French Polynesia. <i>Oceanography</i> , 2013, 26, 52-63.	0.5	61
21	The island-scale internal wave climate of Moorea, French Polynesia. <i>Journal of Geophysical Research</i> , 2012, 117, .	3.3	34
22	Towards Deeper Measurements of Tropical Reefscape Structure Using the WorldView-2 Spaceborne Sensor. <i>Remote Sensing</i> , 2012, 4, 1425-1447.	1.8	48
23	Coupled physical, chemical, and microbiological measurements suggest a connection between internal waves and surf zone water quality in the Southern California Bight. <i>Continental Shelf Research</i> , 2012, 34, 64-78.	0.9	22
24	A framework for understanding drag parameterizations for coral reefs. <i>Journal of Geophysical Research</i> , 2011, 116, .	3.3	91
25	Analysis of Bottom-Track and Compass Error in a Self-Contained Acoustic Doppler Diver Navigation Console. <i>Journal of Atmospheric and Oceanic Technology</i> , 2010, 27, 1229-1238.	0.5	5
26	Flow effects on benthic grazing on phytoplankton by a Caribbean reef. <i>Limnology and Oceanography</i> , 2010, 55, 1881-1892.	1.6	31
27	Lateral Circulation in Well-Mixed and Stratified Estuarine Flows with Curvature. <i>Journal of Physical Oceanography</i> , 2009, 39, 831-851.	0.7	66
28	Thermal Variability in a Tidal River. <i>Estuaries and Coasts</i> , 2009, 32, 100-110.	1.0	21
29	Effects of western boundary current dynamics on the internal wave field of the Southeast Florida shelf. <i>Journal of Geophysical Research</i> , 2008, 113, .	3.3	24
30	Extracting Reynolds Stresses from Acoustic Doppler Current Profiler Measurements in Wave-Dominated Environments. <i>Journal of Atmospheric and Oceanic Technology</i> , 2008, 25, 286-306.	0.5	28
31	Episodic circulation and exchange in a wave-driven coral reef and lagoon system. <i>Limnology and Oceanography</i> , 2008, 53, 2681-2694.	1.6	185
32	Comparison of Reynolds Stress Estimates Derived from Standard and Fast-Ping ADCPs. <i>Journal of Atmospheric and Oceanic Technology</i> , 2006, 23, 854-861.	0.5	30
33	Movement patterns and trajectories of ovigerous blue crabs <i>Callinectes sapidus</i> during the spawning migration. <i>Estuarine, Coastal and Shelf Science</i> , 2004, 60, 567-579.	0.9	75
34	Testing a selective tidal-stream transport model: Observations of female blue crab (<i>Callinectes</i>) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5 1857-1870.	1.6	22
35	Transient Tidal Circulation and Momentum Balances at a Shallow Inlet. <i>Journal of Physical Oceanography</i> , 2003, 33, 913-932.	0.7	96
36	An International Perspective on Graduate Education in Physical Oceanography. <i>Oceanography</i> , 2003, 16, 128-133.	0.5	2

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37	Lateral dynamic analysis and classification of barotropic tidal inlets. Continental Shelf Research, 2002, 22, 2615-2631.	0.9	36
38	A Portable Retractable ADCP Boom-Mount for Small Boats. Estuaries and Coasts, 2000, 23, 392.	1.7	6
39	Flood Tide Circulation near Beaufort Inlet, North Carolina: Implications for Larval Recruitment. Estuaries and Coasts, 1999, 22, 1057.	1.7	20
40	ACCURACY ASSESSMENT OF UNDERWATER PHOTOGRAMMETRIC THREE DIMENSIONAL MODELLING FOR CORAL REEFS. International Archives of the Photogrammetry, Remote Sensing and Spatial Information Sciences - ISPRS Archives, 0, XLI-B5, 821-828.	0.2	12