

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	Mapping coral reefs using consumer-grade drones and structure from motion photogrammetry techniques. <i>Coral Reefs</i> , 2017, 36, 269-275.	0.9	211
2	High frequency temperature variability reduces the risk of coral bleaching. <i>Nature Communications</i> , 2018, 9, 1671.	5.8	201
3	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
4	Wave Transformation and Wave-Driven Flow across a Steep Coral Reef. <i>Journal of Physical Oceanography</i> , 2013, 43, 1356-1379.	0.7	101
5	Transient Tidal Circulation and Momentum Balances at a Shallow Inlet. <i>Journal of Physical Oceanography</i> , 2003, 33, 913-932.	0.7	96
6	A framework for understanding drag parameterizations for coral reefs. <i>Journal of Geophysical Research</i> , 2011, 116, .	3.3	91
7	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
8	Increasing comparability among coral bleaching experiments. <i>Ecological Applications</i> , 2021, 31, e02262.	1.8	68
9	Lateral Circulation in Well-Mixed and Stratified Estuarine Flows with Curvature. <i>Journal of Physical Oceanography</i> , 2009, 39, 831-851.	0.7	66
10	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
11	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
12	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
13	Towards Deeper Measurements of Tropical Reefscape Structure Using the WorldView-2 Spaceborne Sensor. <i>Remote Sensing</i> , 2012, 4, 1425-1447.	1.8	48
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	Lateral dynamic analysis and classification of barotropic tidal inlets. <i>Continental Shelf Research</i> , 2002, 22, 2615-2631.	0.9	36
16	The island-scale internal wave climate of Moorea, French Polynesia. <i>Journal of Geophysical Research</i> , 2012, 117, .	3.3	34
17	Flow effects on benthic grazing on phytoplankton by a Caribbean reef. <i>Limnology and Oceanography</i> , 2010, 55, 1881-1892.	1.6	31
18	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

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19	Hydrodynamics influence coral performance through simultaneous direct and indirect effects. <i>Ecology</i> , 2015, 96, 1540-1549.	1.5	30
20	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
21	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
22	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
23	Testing a selective tidal stream transport model: Observations of female blue crab (<i>Callinectes</i>) Tj ETQq1 1 0.784314 rgBT /Over 1857-1870.	1.6	22
24	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
25	Thermal Variability in a Tidal River. <i>Estuaries and Coasts</i> , 2009, 32, 100-110.	1.0	21
26	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
27	Flood Tide Circulation near Beaufort Inlet, North Carolina: Implications for Larval Recruitment. <i>Estuaries and Coasts</i> , 1999, 22, 1057.	1.7	20
28	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
29	Collapsing Complexity: Quantifying Multiscale Properties of Reef Topography. <i>Journal of Geophysical Research: Oceans</i> , 2019, 124, 5021-5038.	1.0	17
30	An Island Mass Effect Resolved Near Moorea, French Polynesia. <i>Frontiers in Marine Science</i> , 2020, 7, .	1.2	17
31	Simulating social-ecological systems: the Island Digital Ecosystem Avatars (IDEA) consortium. <i>GigaScience</i> , 2016, 5, 14.	3.3	15
32	ACCURACY ASSESSMENT OF UNDERWATER PHOTOGRAMMETRIC THREE DIMENSIONAL MODELLING FOR CORAL REEFS. <i>International Archives of the Photogrammetry, Remote Sensing and Spatial Information Sciences - ISPRS Archives</i> , 0, XLI-B5, 821-828.	0.2	12
33	Interaction of Waves with Idealized High-Relief Bottom Roughness. <i>Journal of Geophysical Research: Oceans</i> , 2018, 123, 3038-3059.	1.0	11
34	One-Dimensional Particle Tracking with Streamline Preserving Junctions for Flows in Channel Networks. <i>Journal of Hydraulic Engineering</i> , 2018, 144, .	0.7	8
35	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
36	A Portable Retractable ADCP Boom-Mount for Small Boats. <i>Estuaries and Coasts</i> , 2000, 23, 392.	1.7	6

#	ARTICLE	IF	CITATIONS
37	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
38	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
39	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
40	An International Perspective on Graduate Education in Physical Oceanography. <i>Oceanography</i> , 2003, 16, 128-133.	0.5	2