

Henrietta Dulai

List of Publications by Year in descending order

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Version: 2024-02-01

102
papers

3,644
citations

136950

32
h-index

138484

58
g-index

106
all docs

106
docs citations

106
times ranked

2370
citing authors

#	ARTICLE	IF	CITATIONS
1	Risk to native marine macroalgae from land-use and climate change-related modifications to groundwater discharge in Hawai'i. <i>Limnology and Oceanography Letters</i> , 2023, 8, 141-153.	3.9	12
2	A density-dependent multi-species model to assess groundwater flow and nutrient transport in the coastal Keauhou aquifer, Hawai'i, USA. <i>Hydrogeology Journal</i> , 2022, 30, 231-250.	2.1	7
3	Inference of young groundwater ages and modern groundwater proportions using chlorofluorocarbon and tritium/helium-3 tracers from West Hawai'i Island. <i>Journal of Hydrology</i> , 2022, 609, 127755.	5.4	6
4	Editorial: Submarine Groundwater Discharge: Impacts on Coastal Ecosystem by Hidden Water and Dissolved Materials. <i>Frontiers in Environmental Science</i> , 2021, 8, .	3.3	1
5	Sea-level rise drives wastewater leakage to coastal waters and storm drains. <i>Limnology and Oceanography Letters</i> , 2021, 6, 154-163.	3.9	24
6	Marine Electromagnetic Imaging and Volumetric Estimation of Freshwater Plumes Offshore Hawai'i. <i>Geophysical Research Letters</i> , 2021, 48, e2020GL091249.	4.0	11
7	Identifying wastewater management tradeoffs: Costs, nearshore water quality, and implications for marine coastal ecosystems in Kona, Hawai'i. <i>PLoS ONE</i> , 2021, 16, e0257125.	2.5	10
8	Traditional and novel time-series approaches reveal submarine groundwater discharge dynamics under baseline and extreme event conditions. <i>Scientific Reports</i> , 2021, 11, 22570.	3.3	16
9	Understanding surface water-groundwater interaction, submarine groundwater discharge, and associated nutrient loading in a small tropical island watershed. <i>Journal of Hydrology</i> , 2020, 585, 124342.	5.4	12
10	Hydrological effects of tree invasion on a dry coastal Hawaiian ecosystem. <i>Forest Ecology and Management</i> , 2020, 458, 117653.	3.2	4
11	Algal bioassays detect modeled loading of wastewater-derived nitrogen in coastal waters of O'ahu, HAWAII. <i>Marine Pollution Bulletin</i> , 2020, 150, 110668.	5.0	10
12	Seasonal Variations in Dissolved Carbon Inventory and Fluxes in a Mangrove-Dominated Estuary. <i>Global Biogeochemical Cycles</i> , 2020, 34, e2019GB006515.	4.9	13
13	Impact of Coastal Wetland Restoration Plan on the Water Balance Components of Heeia Watershed, Hawaii. <i>Hydrology</i> , 2020, 7, 86.	3.0	2
14	Submarine groundwater discharge: A previously undocumented source of contaminants of emerging concern to the coastal ocean (Sydney, Australia). <i>Marine Pollution Bulletin</i> , 2020, 160, 111519.	5.0	26
15	Collaborative research to support urban agriculture in the face of change: The case of the Sumida watercress farm on O'ahu. <i>PLoS ONE</i> , 2020, 15, e0235661.	2.5	2
16	Metal Mobilization As An Effect of Anthropogenic Contamination in Groundwater Aquifers in Tutuila, American Samoa. <i>Water (Switzerland)</i> , 2020, 12, 2118.	2.7	1
17	Title is missing!. , 2020, 15, e0235661.		0
18	Title is missing!. , 2020, 15, e0235661.		0

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19	Title is missing!. , 2020, 15, e0235661.		0
20	Title is missing!. , 2020, 15, e0235661.		0
21	Title is missing!. , 2020, 15, e0235661.		0
22	Title is missing!. , 2020, 15, e0235661.		0
23	Assessment of Terrigenous Nutrient Loading to Coastal Ecosystems along a Human Land-Use Gradient, Tutuila, American Samoa. Hydrology, 2019, 6, 18.	3.0	19
24	Parallels between stream and coastal water quality associated with groundwater discharge. PLoS ONE, 2019, 14, e0224513.	2.5	5
25	Submarine Groundwater Discharge: Updates on Its Measurement Techniques, Geophysical Drivers, Magnitudes, and Effects. Frontiers in Environmental Science, 2019, 7, .	3.3	158
26	Assessment of Wetland Restoration and Climate Change Impacts on Water Balance Components of the Heeia Coastal Wetland in Hawaii. Hydrology, 2019, 6, 37.	3.0	6
27	Isotopes, Microbes, and Turbidity: A Multi- ²²² Rn Tracer Approach to Understanding Recharge Dynamics and Groundwater Contamination in a Basaltic Island Aquifer. Ground Water Monitoring and Remediation, 2019, 39, 20-35.	0.8	8
28	Integration of aerial infrared thermography and in situ radon- ²²² to investigate submarine groundwater discharge to Pearl Harbor, Hawaii, USA. Limnology and Oceanography, 2019, 64, 238-257.	3.1	32
29	Submarine Groundwater Discharge and Stream Baseflow Sustain Pesticide and Nutrient Fluxes in Faga'alu Bay, American Samoa. Frontiers in Environmental Science, 2019, 7, .	3.3	17
30	INCREASED COASTAL POLLUTION EXPECTED UNDER FUTURE SEA LEVEL STANDS: CHEMICAL EVIDENCE FOR TIDAL GROUNDWATER INUNDATION OF COASTAL WASTEWATER INFRASTRUCTURE. , 2019, , .		2
31	Assessment of SWAT Model Performance in Simulating Daily Streamflow under Rainfall Data Scarcity in Pacific Island Watersheds. Water (Switzerland), 2018, 10, 1533.	2.7	14
32	Impact of Climate Change on Daily Streamflow and Its Extreme Values in Pacific Island Watersheds. Sustainability, 2018, 10, 2057.	3.2	16
33	Quantifying Dissolved Silicate Fluxes across Heeia Shoreline in Hawaii via Integrated Hydrological Modeling Approach. Universal Journal of Geoscience, 2018, 6, 147-156.	0.7	3
34	Sources and spatial variability of groundwater-delivered nutrients in Maunalua Bay, O'ahu, Hawaii. Journal of Hydrology: Regional Studies, 2017, 11, 178-193.	2.4	25
35	Effect of land use and groundwater flow path on submarine groundwater discharge nutrient flux. Journal of Hydrology: Regional Studies, 2017, 11, 194-218.	2.4	61
36	Observations of nearshore groundwater discharge: Kahekili Beach Park submarine springs, Maui, Hawaii. Journal of Hydrology: Regional Studies, 2017, 11, 147-165.	2.4	32

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37	In the Wake of Fukushima: Radiocesium Inventories of Selected North Pacific Fish. <i>Pacific Science</i> , 2017, 71, 107-115.	0.6	1
38	Fukushima-derived radiocesium fallout in Hawaiian soils. <i>Journal of Environmental Radioactivity</i> , 2017, 180, 106-113.	1.7	6
39	Submarine groundwater discharge drives biogeochemistry in two Hawaiian reefs. <i>Limnology and Oceanography</i> , 2017, 62, S348.	3.1	37
40	Implications of Climate Change on Water Budgets and Reservoir Water Harvesting of Nuuanu Area Watersheds, Oahu, Hawaii. <i>Journal of Water Resources Planning and Management - ASCE</i> , 2017, 143, .	2.6	14
41	Source partitioning of anthropogenic groundwater nitrogen in a mixed-use landscape, Tutuila, American Samoa. <i>Hydrogeology Journal</i> , 2017, 25, 2419-2434.	2.1	16
42	Two-Stage Exams: A Powerful Tool for Reducing the Achievement Gap in Undergraduate Oceanography and Geology Classes. <i>Oceanography</i> , 2017, 30, .	1.0	7
43	IDENTIFYING POLLUTANT SOURCES ALONG GROUNDWATER FLOWPATHS IN KANEOHE, OAHU, HAWAII. , 2017, , .		0
44	AN ISOTOPIC AND MICROBIOLOGICAL MULTI-TRACER APPROACH TO ASSESSING RECHARGE MECHANISMS IN SURFACE WATER AFFECTED WELLS ON TUTUILA, AMERICAN SAMOA. , 2017, , .		0
45	SUBMARINE GROUNDWATER DISCHARGE AND BIOLOGICALLY DRIVEN VARIABILITY IN MARINE CARBONATE CHEMISTRY IN MAUNALUA BAY, OAHU, HAWAII. , 2017, , .		0
46	VARIABILITY OF SUBMARINE GROUNDWATER DISCHARGE DURING SPRING AND NEAP TIDAL CYCLES ON THE KONA COAST, HAWAII. , 2017, , .		1
47	REEF PLANTS SHOW THAT GROUNDWATER DISCHARGE IS A MAJOR SOURCE OF ANTHROPOGENIC NITROGEN FOR COASTAL ECOSYSTEMS IN HAWAII. , 2017, , .		0
48	GROUNDWATER-STREAM WATER INTERACTION, SUBMARINE GROUNDWATER DISCHARGE, AND QUANTIFICATION OF ASSOCIATED NUTRIENT LOADING IN FAGAALU WATERSHED, AMERICAN SAMOA. , 2017, , .		0
49	COUPLING AIRCRAFT AND TIME SERIES UNMANNED AERIAL VEHICLE THERMAL INFRARED IMAGING WITH SIMULTANEOUS IN SITU RADON MONITORING REVEALS DYNAMICS OF GROUNDWATER DISCHARGE TO THE OCEAN. , 2017, , .		0
50	MODELING AQUIFER RESPONSE TO WATER HARVESTING IN NUUANU AND KALIHI, OAHU, HAWAII. , 2017, , .		0
51	SEASONALITY OF GROUNDWATER INPUTS AND ASSOCIATED ANTHROPOGENIC FLUXES IN THE KAHALUËU STREAM COMPLEX, OË»AHU. , 2017, , .		0
52	TWO-STAGE EXAMS REDUCE THE ACHIEVEMENT GAP IN UNDERGRADUATE OCEANOGRAPHY AND GEOLOGY CLASSES. , 2017, , .		0
53	TWO-STAGE EXAMS CAN REDUCE THE ACHIEVEMENT GAP IN UNDERGRADUATE OCEANOGRAPHY AND GEOLOGY CLASSES. , 2017, , .		0
54	ASSESSING THE EFFECT OF RAINFALL DATA SCARCITY ON DAILY STREAMFLOW SIMULATION IN SPATIALLY HETEROGENEOUS WATERSHEDS. , 2017, , .		0

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55	SUBMARINE GROUNDWATER DISCHARGE ON THE HAWAIIAN ISLANDS. , 2017, , .		0
56	QUANTIFYING DISSOLVED SILICATE FLUXES ACROSS HEEIA SHORELINE IN HAWAII VIA INTEGRATED HYDROLOGICAL MODELING APPROACH. , 2017, , .		0
57	Isotopic constraints on the genesis and evolution of basaltic lavas at Haleakala, Island of Maui, Hawaii. <i>Geochimica Et Cosmochimica Acta</i> , 2016, 195, 201-225.	3.9	15
58	Wastewater injection, aquifer biogeochemical reactions, and resultant groundwater N fluxes to coastal waters: Kā'anapali, Maui, Hawai'i. <i>Marine Pollution Bulletin</i> , 2016, 110, 281-292.	5.0	15
59	Assessment of climate change impacts on water balance components of Heeia watershed in Hawaii. <i>Journal of Hydrology: Regional Studies</i> , 2016, 8, 182-197.	2.4	58
60	Autonomous long-term gamma-spectrometric monitoring of submarine groundwater discharge trends in Hawaii. <i>Journal of Radioanalytical and Nuclear Chemistry</i> , 2016, 307, 1865-1870.	1.5	22
61	Hawaiian imprint on dissolved Nd and Ra isotopes and rare earth elements in the central North Pacific: Local survey and seasonal variability. <i>Geochimica Et Cosmochimica Acta</i> , 2016, 189, 110-131.	3.9	53
62	Evaluation of Submarine Groundwater Discharge as a Coastal Nutrient Source and Its Role in Coastal Groundwater Quality and Quantity. , 2016, , 187-221.		18
63	Impact of Submarine Groundwater Discharge on Marine Water Quality and Reef Biota of Maui. <i>PLoS ONE</i> , 2016, 11, e0165825.	2.5	109
64	Fluorescent dissolved organic matter as a multivariate biogeochemical tracer of submarine groundwater discharge in coral reef ecosystems. <i>Marine Chemistry</i> , 2015, 177, 232-243.	2.3	82
65	Influences of N-Fixing and Non-N-Fixing Vegetation and Invasive Fish on Water Chemistry of Hawaiian Anchialine Ponds. <i>Pacific Science</i> , 2014, 68, 509-523.	0.6	10
66	Mercury dynamics in a coastal aquifer: Maunaloa Bay, O'ahu, Hawai'i. <i>Estuarine, Coastal and Shelf Science</i> , 2014, 140, 52-65.	2.1	19
67	A new method for the determination of low-level actinium-227 in geological samples. <i>Journal of Radioanalytical and Nuclear Chemistry</i> , 2013, 296, 279-283.	1.5	7
68	Extraction of cesium in seawater off Japan using AMP-PAN resin and quantification via gamma spectroscopy and inductively coupled mass spectrometry. <i>Journal of Radioanalytical and Nuclear Chemistry</i> , 2013, 296, 369-374.	1.5	39
69	Marine Chemistry special issue: Radium and radon tracers in aquatic systems: An update. <i>Marine Chemistry</i> , 2013, 156, 1-2.	2.3	3
70	A Geochemical and Geophysical Assessment of Coastal Groundwater Discharge at Select Sites in Maui and O'ahu, Hawai'i. <i>Coastal Research Library</i> , 2013, , 27-46.	0.4	24
71	Fast concentration of dissolved forms of cesium radioisotopes from large seawater samples. <i>Journal of Radioanalytical and Nuclear Chemistry</i> , 2013, 296, 841-846.	1.5	42
72	On the Time Scales of Magma Genesis, Melt Evolution, Crystal Growth Rates and Magma Degassing in the Erebus Volcano Magmatic System Using the ²³⁸ U, ²³⁵ U and ²³² Th Decay Series. <i>Journal of Petrology</i> , 2013, 54, 235-271.	2.8	39

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73	Cesium-134 and 137 activities in the central North Pacific Ocean after the Fukushima Dai-ichi Nuclear Power Plant accident. <i>Biogeosciences</i> , 2013, 10, 6045-6052.	3.3	39
74	Utilizing multichannel electrical resistivity methods to examine the dynamics of the fresh water-seawater interface in two Hawaiian groundwater systems. <i>Journal of Geophysical Research</i> , 2012, 117, .	3.3	72
75	GEOTRACES radium isotopes interlaboratory comparison experiment. <i>Limnology and Oceanography: Methods</i> , 2012, 10, 451-463.	2.0	24
76	Coupled radon, methane and nitrate sensors for large-scale assessment of groundwater discharge and non-point source pollution to coastal waters. <i>Journal of Environmental Radioactivity</i> , 2010, 101, 553-563.	1.7	80
77	Journal of Environmental Radioactivity special issue: Radium and Radon Isotopes as Environmental Tracers. <i>Journal of Environmental Radioactivity</i> , 2010, 101, 519-520.	1.7	3
78	Preparation of Mn-fiber standards for the efficiency calibration of the delayed coincidence counting system (RaDeCC). <i>Marine Chemistry</i> , 2010, 121, 206-214.	2.3	29
79	EMERGING ISSUES SEMINAR: EXPLORING THE FORMATION OF A WORKING GROUP TO EXAMINE THE SUBTERRANEAN ESTUARY. <i>Limnology and Oceanography Bulletin</i> , 2010, 19, 69-70.	0.4	0
80	Natural iron enrichment around the Antarctic Peninsula in the Southern Ocean. <i>Biogeosciences</i> , 2010, 7, 11-25.	3.3	108
81	Assessment of size-fractionated species of curium-244 via alpha spectrometry in groundwater. <i>Journal of Radioanalytical and Nuclear Chemistry</i> , 2009, 282, 1009-1012.	1.5	2
82	Shelf-derived iron inputs drive biological productivity in the southern Drake Passage. <i>Global Biogeochemical Cycles</i> , 2009, 23, .	4.9	115
83	Uncertainties in the preparation of ²²⁴ Ra Mn fiber standards. <i>Marine Chemistry</i> , 2008, 109, 220-225.	2.3	21
84	Evaluation of the flushing rates of Apalachicola Bay, Florida via natural geochemical tracers. <i>Marine Chemistry</i> , 2008, 109, 395-408.	2.3	60
85	Uncertainties associated with ²²³ Ra and ²²⁴ Ra measurements in water via a Delayed Coincidence Counter (RaDeCC). <i>Marine Chemistry</i> , 2008, 109, 198-219.	2.3	163
86	New perspectives on radium behavior within a subterranean estuary. <i>Marine Chemistry</i> , 2008, 109, 250-267.	2.3	142
87	Geochemical and physical sources of radon variation in a subterranean estuary - Implications for groundwater radon activities in submarine groundwater discharge studies. <i>Marine Chemistry</i> , 2008, 110, 120-127.	2.3	91
88	Groundwater Discharge as an Important Land-Sea Pathway into Manila Bay, Philippines. <i>Journal of Coastal Research</i> , 2008, 1, 15-24.	0.3	47
89	Groundwater-derived nutrient inputs to the Upper Gulf of Thailand. <i>Continental Shelf Research</i> , 2007, 27, 176-190.	1.8	95
90	Radon loss across the water-air interface (Gulf of Thailand) estimated experimentally from ²²² Rn- ²²⁴ Ra. <i>Geophysical Research Letters</i> , 2006, 33, .	4.0	59

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91	Submarine groundwater discharge measured by seepage meters in sicilian coastal waters. Continental Shelf Research, 2006, 26, 835-842.	1.8	49
92	Radon as a tracer of submarine groundwater discharge into a boat basin in Donnalucata, Sicily. Continental Shelf Research, 2006, 26, 862-873.	1.8	124
93	Assessment of groundwater discharges into West Neck Bay, New York, via natural tracers. Continental Shelf Research, 2006, 26, 1971-1983.	1.8	59
94	Characterisation of submarine groundwater discharge offshore south-eastern Sicily. Journal of Environmental Radioactivity, 2006, 89, 81-101.	1.7	74
95	Are groundwater inputs into river-dominated areas important? The Chao Phraya River - Gulf of Thailand. Limnology and Oceanography, 2006, 51, 2232-2247.	3.1	72
96	A multi-detector continuous monitor for assessment of ²²² Rn in the coastal ocean. Journal of Radioanalytical and Nuclear Chemistry, 2005, 263, 361-363.	1.5	176
97	A multi-detector continuous monitor for assessment of ²²² Rn in the coastal ocean. Journal of Radioanalytical and Nuclear Chemistry, 2005, 263, 361-363.	1.5	1
98	An efficient method for ¹³⁷ Cs spectrometric determination of radium-226,228 via manganese fibers. Limnology and Oceanography: Methods, 2004, 2, 256-261.	2.0	50
99	Seepage rate variability in Florida Bay driven by Atlantic tidal height. Biogeochemistry, 2003, 66, 187-202.	3.5	43
100	Estimating the dynamics of groundwater input into the coastal zone via continuous radon-222 measurements. Journal of Environmental Radioactivity, 2003, 69, 21-35.	1.7	472
101	Measurement of ²²⁴ Ra and ²²⁶ Ra Activities in Natural Waters Using a Radon-in-Air Monitor. Environmental Science & Technology, 2001, 35, 4680-4683.	10.0	148
102	Tracing groundwater discharge into the ocean via continuous radon-222 measurements. , 0, , .		0