Henrietta Dulai

List of Publications by Year
in descending order

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	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
2	A multi-detector continuous monitor for assessment of <Superscript>222</Superscript>Rn in the coastal ocean. Journal of Radioanalytical and Nuclear Chemistry, 2005, 263, 361-363.	1.5	176
3	Uncertainties associated with 223Ra and 224Ra measurements in water via a Delayed Coincidence Counter (RaDeCC). Marine Chemistry, 2008, 109, 198-219.	2.3	163
4	Submarine Groundwater Discharge: Updates on Its Measurement Techniques, Geophysical Drivers, Magnitudes, and Effects. Frontiers in Environmental Science, 2019, 7, .	3.3	158
5	Measurement of224Ra and226Ra Activities in Natural Waters Using a Radon-in-Air Monitor. Environmental Science & Technology, 2001, 35, 4680-4683.	10.0	148
6	New perspectives on radium behavior within a subterranean estuary. Marine Chemistry, 2008, 109, 250-267.	2.3	142
7	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
8	Shelfâ€derived iron inputs drive biological productivity in the southern Drake Passage. Global Biogeochemical Cycles, 2009, 23, .	4.9	115
9	Impact of Submarine Groundwater Discharge on Marine Water Quality and Reef Biota of Maui. PLoS ONE, 2016, 11, e0165825.	2.5	109
10	Natural iron enrichment around the Antarctic Peninsula in the Southern Ocean. Biogeosciences, 2010, 7, 11-25.	3.3	108
11	Groundwater-derived nutrient inputs to the Upper Gulf of Thailand. Continental Shelf Research, 2007, 27, 176-190.	1.8	95
12	Geochemical and physical sources of radon variation in a subterranean estuary â€" Implications for groundwater radon activities in submarine groundwater discharge studies. Marine Chemistry, 2008, 110, 120-127.	2.3	91
13	Fluorescent dissolved organic matter as a multivariate biogeochemical tracer of submarine groundwater discharge in coral reef ecosystems. Marine Chemistry, 2015, 177, 232-243.	2.3	82
14	Coupled radon, methane and nitrate sensors for large-scale assessment of groundwater discharge and non-point source pollution to coastal waters. Journal of Environmental Radioactivity, 2010, 101, 553-563.	1.7	80
15	Characterisation of submarine groundwater discharge offshore south-eastern Sicily. Journal of Environmental Radioactivity, 2006, 89, 81-101.	1.7	74
16	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
17	Utilizing multichannel electrical resistivity methods to examine the dynamics of the fresh waterâ€"seawater interface in two Hawaiian groundwater systems. Journal of Geophysical Research, 2012, 117, .	3.3	72
18	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

#	Article	IF	Citations
19	Evaluation of the flushing rates of Apalachicola Bay, Florida via natural geochemical tracers. Marine Chemistry, 2008, 109, 395-408.	2.3	60
20	Radon loss across the water-air interface (Gulf of Thailand) estimated experimentally from222Rn-224Ra. Geophysical Research Letters, 2006, 33, .	4.0	59
21	Assessment of groundwater discharges into West Neck Bay, New York, via natural tracers. Continental Shelf Research, 2006, 26, 1971-1983.	1.8	59
22	Assessment of climate change impacts on water balance components of Heeia watershed in Hawaii. Journal of Hydrology: Regional Studies, 2016, 8, 182-197.	2.4	58
23	Hawaiian imprint on dissolved Nd and Ra isotopes and rare earth elements in the central North Pacific: Local survey and seasonal variability. Geochimica Et Cosmochimica Acta, 2016, 189, 110-131.	3.9	53
24	An efficient method for Î³â€spectrometric determination of radiumâ€226,228 via manganese fibers. Limnology and Oceanography: Methods, 2004, 2, 256-261.	2.0	50
25	Submarine groundwater discharge measured by seepage meters in sicilian coastal waters. Continental Shelf Research, 2006, 26, 835-842.	1.8	49
26	Groundwater Discharge as an Important Land-Sea Pathway into Manila Bay, Philippines. Journal of Coastal Research, 2008, 1, 15-24.	0.3	47
27	Seepage rate variability in Florida Bay driven by Atlantic tidal height. Biogeochemistry, 2003, 66, 187-202.	3.5	43
28	Fast concentration of dissolved forms of cesium radioisotopes from large seawater samples. Journal of Radioanalytical and Nuclear Chemistry, 2013, 296, 841-846.	1.5	42
29	Extraction of cesium in seawater off Japan using AMP-PAN resin and quantification via gamma spectroscopy and inductively coupled mass spectrometry. Journal of Radioanalytical and Nuclear Chemistry, 2013, 296, 369-374.	1.5	39
30	On the Time Scales of Magma Genesis, Melt Evolution, Crystal Growth Rates and Magma Degassing in the Erebus Volcano Magmatic System Using the 238U, 235U and 232Th Decay Series. Journal of Petrology, 2013, 54, 235-271.	2.8	39
31	Cesium-134 and 137 activities in the central North Pacific Ocean after the Fukushima Dai-ichi Nuclear Power Plant accident. Biogeosciences, 2013, 10, 6045-6052.	3.3	39
32	Submarine groundwater discharge drives biogeochemistry in two Hawaiian reefs. Limnology and Oceanography, 2017, 62, S348.	3.1	37
33	Observations of nearshore groundwater discharge: Kahekili Beach Park submarine springs, Maui, Hawaii. Journal of Hydrology: Regional Studies, 2017, 11, 147-165.	2.4	32
34	Integration of aerial infrared thermography and in situ radonâ€222 to investigate submarine groundwater discharge to Pearl Harbor, Hawaii, USA. Limnology and Oceanography, 2019, 64, 238-257.	3.1	32
35	Preparation of Mn-fiber standards for the efficiency calibration of the delayed coincidence counting system (RaDeCC). Marine Chemistry, 2010, 121, 206-214.	2.3	29
36	Submarine groundwater discharge: A previously undocumented source of contaminants of emerging concern to the coastal ocean (Sydney, Australia). Marine Pollution Bulletin, 2020, 160, 111519.	5.0	26

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37	Sources and spatial variability of groundwater-delivered nutrients in Maunalua Bay, OÊ»ahu, Hawaiâ€¯i. Journal of Hydrology: Regional Studies, 2017, 11, 178-193.	2.4	25
38	GEOTRACES radium isotopes interlaboratory comparison experiment. Limnology and Oceanography: Methods, 2012, 10, 451-463.	2.0	24
39	A Geochemical and Geophysical Assessment of Coastal Groundwater Discharge at Select Sites in Maui and Oâ€™ahu, Hawaiâ€™i. Coastal Research Library, 2013, , 27-46.	0.4	24
40	Seaâ€level rise drives wastewater leakage to coastal waters and storm drains. Limnology and Oceanography Letters, 2021, 6, 154-163.	3.9	24
41	Autonomous long-term gamma-spectrometric monitoring of submarine groundwater discharge trends in Hawaii. Journal of Radioanalytical and Nuclear Chemistry, 2016, 307, 1865-1870.	1.5	22
42	Uncertainties in the preparation of 224Ra Mn fiber standards. Marine Chemistry, 2008, 109, 220-225.	2.3	21
43	Mercury dynamics in a coastal aquifer: Maunalua Bay, OÊ»ahu, HawaiÊ»i. Estuarine, Coastal and Shelf Science, 2014, 140, 52-65.	2.1	19
44	Assessment of Terrigenous Nutrient Loading to Coastal Ecosystems along a Human Land-Use Gradient, Tutuila, American Samoa. Hydrology, 2019, 6, 18.	3.0	19
45	Evaluation of Submarine Groundwater Discharge as a Coastal Nutrient Source and Its Role in Coastal Groundwater Quality and Quantity. , 2016, , 187-221.		18
46	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
47	Source partitioning of anthropogenic groundwater nitrogen in a mixed-use landscape, Tutuila, American Samoa. Hydrogeology Journal, 2017, 25, 2419-2434.	2.1	16
48	Impact of Climate Change on Daily Streamflow and Its Extreme Values in Pacific Island Watersheds. Sustainability, 2018, 10, 2057.	3.2	16
49	Traditional and novel time-series approaches reveal submarine groundwater discharge dynamics under baseline and extreme event conditions. Scientific Reports, 2021, 11, 22570.	3.3	16
50	Isotopic constraints on the genesis and evolution of basanitic lavas at Haleakala, Island of Maui, Hawaii. Geochimica Et Cosmochimica Acta, 2016, 195, 201-225.	3.9	15
51	Wastewater injection, aquifer biogeochemical reactions, and resultant groundwater N fluxes to coastal waters: KÄ•anapali, Maui, Hawai'i. Marine Pollution Bulletin, 2016, 110, 281-292.	5.0	15
52	Implications of Climate Change on Water Budgets and Reservoir Water Harvesting of Nuuanu Area Watersheds, Oahu, Hawaii. Journal of Water Resources Planning and Management - ASCE, 2017, 143, .	2.6	14
53	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
54	Seasonal Variations in Dissolved Carbon Inventory and Fluxes in a Mangroveâ€Dominated Estuary. Global Biogeochemical Cycles, 2020, 34, e2019GB006515.	4.9	13

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55	Understanding surface waterâ€“groundwater interaction, submarine groundwater discharge, and associated nutrient loading in a small tropical island watershed. Journal of Hydrology, 2020, 585, 124342.	5.4	12
56	Risk to native marine macroalgae from landâ€use and climate changeâ€related modifications to groundwater discharge in HawaiÊ»i. Limnology and Oceanography Letters, 2023, 8, 141-153.	3.9	12
57	Marine Electromagnetic Imaging and Volumetric Estimation of Freshwater Plumes Offshore Hawai'i. Geophysical Research Letters, 2021, 48, e2020GL091249.	4.0	11
58	Influences of N-Fixing and Non-N-Fixing Vegetation and Invasive Fish on Water Chemistry of Hawaiian Anchialine Ponds. Pacific Science, 2014, 68, 509-523.	0.6	10
59	Algal bioassays detect modeled loading of wastewater-derived nitrogen in coastal waters of OÊ»AHU, HAWAIÊ»I. Marine Pollution Bulletin, 2020, 150, 110668.	5.0	10
60	Identifying wastewater management tradeoffs: Costs, nearshore water quality, and implications for marine coastal ecosystems in Kona, Hawaiâ€˜i. PLoS ONE, 2021, 16, e0257125.	2.5	10
61	Isotopes, Microbes, and Turbidity: A Multiâ€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
62	A new method for the determination of low-level actinium-227 in geological samples. Journal of Radioanalytical and Nuclear Chemistry, 2013, 296, 279-283.	1.5	7
63	Two-Stage Exams: A Powerful Tool for Reducing the Achievement Gap in Undergraduate Oceanography and Geology Classes. Oceanography, 2017, 30, .	1.0	7
64	A density-dependent multi-species model to assess groundwater flow and nutrient transport in the coastal Keauhou aquifer, Hawaiâ€˜i, USA. Hydrogeology Journal, 2022, 30, 231-250.	2.1	7
65	Fukushima-derived radiocesium fallout in Hawaiian soils. Journal of Environmental Radioactivity, 2017, 180, 106-113.	1.7	6
66	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
67	Inference of young groundwater ages and modern groundwater proportions using chlorofluorocarbon and tritium/helium-3 tracers from West Hawaiâ€˜i Island. Journal of Hydrology, 2022, 609, 127755.	5.4	6
68	Parallels between stream and coastal water quality associated with groundwater discharge. PLoS ONE, 2019, 14, e0224513.	2.5	5
69	Hydrological effects of tree invasion on a dry coastal Hawaiian ecosystem. Forest Ecology and Management, 2020, 458, 117653.	3.2	4
70	Journal of Environmental Radioactivity special issue: Radium and Radon Isotopes as Environmental Tracers. Journal of Environmental Radioactivity, 2010, 101, 519-520.	1.7	3
71	Marine Chemistry special issue: Radium and radon tracers in aquatic systems: An update. Marine Chemistry, 2013, 156, 1-2.	2.3	3
72	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

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73	Assessment of size-fractionated species of curium-244 via alpha spectrometry in groundwater. Journal of Radioanalytical and Nuclear Chemistry, 2009, 282, 1009-1012.	1.5	2
74	Impact of Coastal Wetland Restoration Plan on the Water Balance Components of Heeia Watershed, Hawaii. Hydrology, 2020, 7, 86.	3.0	2
75	Collaborative research to support urban agriculture in the face of change: The case of the Sumida watercress farm on Oâ€˜ahu. PLoS ONE, 2020, 15, e0235661.	2.5	2
76	INCREASED COASTAL POLLUTION EXPECTED UNDER FUTURE SEA LEVEL STANDS: CHEMICAL EVIDENCE FOR TIDAL GROUNDWATER INUNDATION OF COASTAL WASTEWATER INFRASTRUCTURE. , 2019, , .		2
77	In the Wake of Fukushima: Radiocesium Inventories of Selected North Pacific Fish. Pacific Science, 2017, 71, 107-115.	0.6	1
78	Metal Mobilization As An Effect of Anthropogenic Contamination in Groundwater Aquifers in Tutuila, American Samoa. Water (Switzerland), 2020, 12, 2118.	2.7	1
79	Editorial: Submarine Groundwater Discharge: Impacts on Coastal Ecosystem by Hidden Water and Dissolved Materials. Frontiers in Environmental Science, 2021, 8, .	3.3	1
80	A multi-detector continuous monitor for assessment of 222Rn in the coastal ocean. Journal of Radioanalytical and Nuclear Chemistry, 2005, 263, 361-363.	1.5	1
81	VARIABILITY OF SUBMARINE GROUNDWATER DISCHARGE DURING SPRING AND NEAP TIDAL CYCLES ON THE KONA COAST, HAWAII. , 2017, , .		1
82	Tracing groundwater discharge into the ocean via continuous radon-222 measurements. , 0, , .		0
83	EMERGING ISSUES SEMINAR: EXPLORING THE FORMATION OF A WORKING GROUP TO EXAMINE THE SUBTERRANEAN ESTUARY. Limnology and Oceanography Bulletin, 2010, 19, 69-70.	0.4	0
84	IDENTIFYING POLLUTANT SOURCES ALONG GROUNDWATER FLOWPATHS IN KANEOHE, OAHU, HAWAII. , 2017, , .		0
85	AN ISOTOPIC AND MICROBIOLOGICAL MULTI-TRACER APPROACH TO ASSESSING RECHARGE MECHANISMS IN SURFACE WATER AFFECTED WELLS ON TUTUILA, AMERICAN SAMOA. , 2017, , .		0
86	SUBMARINE GROUNDWATER DISCHARGE AND BIOLOGICALLY DRIVEN VARIABILITY IN MARINE CARBONATE CHEMISTRY IN MAUNALUA BAY, OAHU, HAWAII. , 2017, , .		0
87	REEF PLANTS SHOW THAT GROUNDWATER DISCHARGE IS A MAJOR SOURCE OF ANTHROPOGENIC NITROGEN FOR COASTAL ECOSYSTEMS IN HAWAII. , 2017, , .		0
88	GROUNDWATER-STREAM WATER INTERACTION, SUBMARINE GROUNDWATER DISCHARGE, AND QUANTIFICATION OF ASSOCIATED NUTRIENT LOADING IN FAGAALU WATERSHED, AMERICAN SAMOA. , 2017, , .		0
89	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
90	MODELING AQUIFER RESPONSE TO WATER HARVESTING IN NUUANU AND KALIHI, OAHU, HAWAII. , 2017, , .		0

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91	SEASONALITY OF GROUNDWATER INPUTS AND ASSOCIATED ANTHROPOGENIC FLUXES IN THE KAHALUÊ»U STREAM COMPLEX, OÊ»AHU. , 2017, , .		0
92	TWO-STAGE EXAMS REDUCE THE ACHIEVEMENT GAP IN UNDERGRADUATE OCEANOGRAPHY AND GEOLOGY CLASSES. , 2017, , .		0
93	TWO-STAGE EXAMS CAN REDUCE THE ACHIEVEMENT GAP IN UNDERGRADUATE OCEANOGRAPHY AND GEOLOGY CLASSES. , 2017, , .		0
94	ASSESSING THE EFFECT OF RAINFALL DATA SCARCITY ON DAILY STREAMFLOW SIMULATION IN SPATIALLY HETEROGENEOUS WATERSHEDS. , 2017, , .		0
95	SUBMARINE GROUNDWATER DISCHARGE ON THE HAWAIIAN ISLANDS. , 2017, , .		0
96	QUANTIFYING DISSOLVED SILICATE FLUXES ACROSS HEEIA SHORELINE IN HAWAII VIA INTEGRATED HYDROLOGICAL MODELING APPROACH. , 2017, , .		0
97	Title is missing!. , 2020, 15, e0235661.		0
98	Title is missing!. , 2020, 15, e0235661.		0
99	Title is missing!. , 2020, 15, e0235661.		0
100	Title is missing!. , 2020, 15, e0235661.		0
101	Title is missing!. , 2020, 15, e0235661.		0
102	Title is missing!. , 2020, 15, e0235661.		0