S Kim Juniper

List of Publications by Year
in descending order

98 papers	3,292 citations	126907 33 h-index	175258 52 g-index
99 all docs	99 docs citations	99 times ranked	2987 citing authors

#	Article	IF	Citations
1	Biological and geological dynamics over four years on a high-temperature sulfide structure at the Juan de Fuca Ridge hydrothermal observatory. Marine Ecology - Progress Series, 1997, 153, 5-24.	1.9	169
2	Biological colonization of new hydrothermal vents following an eruption on Juan de Fuca Ridge. Deep-Sea Research Part I: Oceanographic Research Papers, 1997, 44, 1627-1644.	1.4	143
3	Long-term eruptive activity at a submarine arc volcano. Nature, 2006, 441, 494-497.	27.8	141
4	Physical and chemical factors influencing species distributions on hydrothermal sulfide edifices of the Juan de Fuca Ridge, northeast Pacific. Marine Ecology - Progress Series, 1999, 190, 89-112.	1.9	127
5	Biological characteristics of a hydrothermal edifice mosaic community. Marine Ecology - Progress Series, 1999, 185, 1-19.	1.9	120
6	A strong biological response to oceanic flow past Cobb Seamount. Deep-sea Research Part A, Oceanographic Research Papers, 1992, 39, 1139-1145.	1.5	98
7	Establishing a new era of submarine volcanic observatories: Cabling Axial Seamount and the Endeavour Segment of the Juan de Fuca Ridge. Marine Geology, 2014, 352, 426-450.	2.1	87
8	Phylogenetic characterization of the bacterial assemblage associated with mucous secretions of the hydrothermal vent polychaete Paralvinella palmiformis. FEMS Microbiology Ecology, 2002, 42, 463-476.	2.7	86
9	Hydrothermal vents of Explorer Ridge, northeast Pacific. Deep-sea Research Part A, Oceanographic Research Papers, 1986, 33, 401-412.	1.5	84
10	Dynamic character of the hydrothermal vent habitat and the nature of sulphide chimney fauna. Progress in Oceanography, 1990, 24, 1-13.	3.2	77
11	Microbial-mineral floc associated with nascent hydrothermal activity on CoAxial Segment, Juan de Fuca Ridge. Geophysical Research Letters, 1995, 22, 179-182.	4.0	73
12	Ferromanganese nodule fauna in the Tropical North Pacific Ocean: Species richness, faunal cover and spatial distribution. Deep-Sea Research Part I: Oceanographic Research Papers, 2007, 54, 1912-1935.	1.4	73
13	High-frequency study of epibenthic megafaunal community dynamics in Barkley Canyon: A multi-disciplinary approach using the NEPTUNE Canada network. Journal of Marine Systems, 2014, 130, 56-68.	2.1	63
14	Subseafloor nitrogen transformations in diffuse hydrothermal vent fluids of the Juan de Fuca Ridge evidenced by the isotopic composition of nitrate and ammonium. Geochemistry, Geophysics, Geosystems, 2012, 13, .	2.5	60
15	Subsurface viruses and bacteria in Holocene/Late Pleistocene sediments of Saanich Inlet, BC: ODP Holes 1033B and 1034B, Leg 169S. Marine Geology, 2001, 174, 227-239.	2.1	58
16	Influence of a tube-building polychaete on hydrothermal chimney mineralization. Geology, 1992, 20, 895.	4.4	56
17	Relationship between phytoplankton production and the physical structure of the water column near Cobb Seamount, northeast Pacific. Deep-Sea Research Part I: Oceanographic Research Papers, 1995, 42, 993-1005.	1.4	56
18	Bacterial diversity in Feâ€rich hydrothermal sediments at two South Tonga Arc submarine volcanoes. Geobiology, 2010, 8, 417-432.	2.4	52

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19	A year in Barkley Canyon: A time-series observatory study of mid-slope benthos and habitat dynamics using the NEPTUNE Canada network. Deep-Sea Research Part II: Topical Studies in Oceanography, 2013, 92, 114-123.	1.4	52
20	Food resource partitioning and competition among alvinellid polychaetes of Juan de Fuca Ridge hydrothermal vents. Marine Ecology - Progress Series, 2003, 246, 173-182.	1.9	51
21	Seasonal monitoring of deep-sea megabenthos in Barkley Canyon cold seep by internet operated vehicle (IOV). PLoS ONE, 2017, 12, e0176917.	2.5	50
22	POM in macro-/meiofaunal food webs associated with three flow regimes at deep-sea hydrothermal vents on Axial Volcano, Juan de Fuca Ridge. Marine Biology, 2007, 153, 129-139.	1.5	44
23	Hydrothermal vents in turbidite sediments on a Northeast Pacific spreading centre: organisms and substratum at an ocean drilling site. Canadian Journal of Zoology, 1992, 70, 1792-1809.	1.0	42
24	Crustal accretion and the hot vent ecosystem. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 1997, 355, 459-474.	3.4	41
25	Desulfurobacterium crinifex sp. nov., a novel thermophilic, pinkish-streamer forming, chemolithoautotrophic bacterium isolated from a Juan de Fuca Ridge hydrothermal vent and amendment of the genus Desulfurobacterium. Extremophiles, 2003, 7, 361-370.	2.3	41
26	Protozoan?bacterial symbiosis in a deep-sea hydrothermal vent folliculinid ciliate (Folliculinopsis sp.) from the Juan de Fuca Ridge. Marine Ecology, 2007, 28, 63-71.	1.1	40
27	A Year in Hypoxia: Epibenthic Community Responses to Severe Oxygen Deficit at a Subsea Observatory in a Coastal Inlet. PLoS ONE, 2012, 7, e45626.	2.5	40
28	Freeâ€living bacterial communities associated with tubeworm (<scp>R</scp>idgeia piscesae) aggregations in contrasting diffuse flow hydrothermal vent habitats at the Main Endeavour Field, Juan de Fuca Ridge. MicrobiologyOpen, 2013, 2, 259-275.	3.0	38
29	Accumulation of minerals and trace elements in biogenic mucus at hydrothermal vents. Deep-sea Research Part A, Oceanographic Research Papers, 1986, 33, 339-347.	1.5	37
30	Activity and abundance of denitrifying bacteria in the subsurface biosphere of diffuse hydrothermal vents of the Juan de Fuca Ridge. Biogeosciences, 2012, 9, 4661-4678.	3.3	37
31	Environmental Drivers of Benthic Flux Variation and Ecosystem Functioning in Salish Sea and Northeast Pacific Sediments. PLoS ONE, 2016, 11, e0151110.	2.5	37
32	Automated Image Analysis for the Detection of Benthic Crustaceans and Bacterial Mat Coverage Using the VENUS Undersea Cabled Network. Sensors, 2011, 11, 10534-10556.	3.8	36
33	Ocean Networks Canada: From Geohazards Research Laboratories to Smart Ocean Systems. Oceanography, 2014, 27, 151-153.	1.0	36
34	Bacterial and viral abundances in hydrothermal event plumes over northern Gorda Ridge. Deep-Sea Research Part II: Topical Studies in Oceanography, 1998, 45, 2739-2749.	1.4	35
35	Spatial organization of food webs along habitat gradients at deep-sea hydrothermal vents on Axial Volcano, Northeast Pacific. Deep-Sea Research Part I: Oceanographic Research Papers, 2006, 53, 726-739.	1.4	35
36	Carbon flows through the microbial food web of first-year ice in resolute passage (Canadian High) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50	2.1	34

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37	Upper Water Column Nitrous Oxide Distributions in the Northeast Subarctic Pacific Ocean. Atmosphere - Ocean, 2012, 50, 475-486.	1.6	34
38	Influence of surface texture and microhabitat heterogeneity in structuring nodule faunal communities. Deep-Sea Research Part I: Oceanographic Research Papers, 2007, 54, 1936-1943.	1.4	32
39	Origin, composition and nutritional quality of particulate matter at deep-sea hydrothermal vents on Axial Volcano, NE Pacific. Marine Ecology - Progress Series, 2005, 289, 43-52.	1.9	32
40	Multi-parametric study of behavioural modulation in demersal decapods at the VENUS cabled observatory in Saanich Inlet, British Columbia, Canada. Journal of Experimental Marine Biology and Ecology, 2011, 401, 89-96.	1.5	31
41	The Importance of Connected Ocean Monitoring Knowledge Systems and Communities. Frontiers in Marine Science, 2019, 6, .	2.5	31
42	Extraction and purification of DNA from organic rich subsurface sediments (ODP Leg 169S). Marine Geology, 2001, 174, 241-247.	2.1	30
43	Expert, Crowd, Students or Algorithm: who holds the key to deepâ€sea imagery â€˜big dataâ€™ processing?. Methods in Ecology and Evolution, 2017, 8, 996-1004.	5.2	29
44	Insights into Symbiont Population Structure among Three Vestimentiferan Tubeworm Host Species at Eastern Pacific Spreading Centers. Applied and Environmental Microbiology, 2016, 82, 5197-5205.	3.1	28
45	Bottom trawling and oxygen minimum zone influences on continental slope benthic community structure off Vancouver Island (NE Pacific). Deep-Sea Research Part II: Topical Studies in Oceanography, 2017, 137, 404-419.	1.4	28
46	Changes in sea-ice phagotrophic microprotists (20â€“200 Î¼m) during the spring algal bloom, Canadian Arctic Archipelago. Journal of Marine Systems, 1997, 11, 163-172.	2.1	27
47	Alvinellids and Sulfides at Hydrothermal Vents of the Eastern Pacific: A Review. American Zoologist, 1995, 35, 174-185.	0.7	26
48	Activity and positioning of eurythermal hydrothermal vent sulphide worms in a variable thermal environment. Journal of Experimental Marine Biology and Ecology, 2013, 448, 149-155.	1.5	26
49	Protozoan Bacterivory in the Ice and the Water Column of a Cold Temperate Lagoon. Microbial Ecology, 1999, 37, 95-106.	2.8	25
50	Nitrification from the lower euphotic zone to the sub-oxic waters of a highly productive British Columbia fjord. Marine Chemistry, 2011, 126, 173-181.	2.3	25
51	Denitrification in sediments of the Laurentian Trough, St. Lawrence Estuary, QuÃ©bec, Canada. Estuarine, Coastal and Shelf Science, 2003, 57, 515-522.	2.1	24
52	Structure and composition of the consolidated mud tube of Maldane sarsi (Polychaeta: Maldanidae). Estuarine, Coastal and Shelf Science, 2008, 78, 360-368.	2.1	23
53	Hydrothermal vent protistan distribution along the Mariana arc suggests vent endemics may be rare and novel. Environmental Microbiology, 2019, 21, 3796-3815.	3.8	23
54	Ontogenetic shifts in the trophic ecology of two alvinocaridid shrimp species at hydrothermal vents on the Mariana Arc, western Pacific Ocean. Marine Ecology - Progress Series, 2008, 356, 225-237.	1.9	23

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55	Trophic ecology of siphonostomatoid copepods at deep-sea hydrothermal vents in the northeast Pacific. Marine Ecology - Progress Series, 2008, 359, 161-170.	1.9	23
56	Clam distribution and subsurface hydrothermal processes at Chowder Hill (Middle Valley), Juan de Fuca Ridge. Marine Ecology - Progress Series, 1996, 130, 105-115.	1.9	23
57	Sulfide Binding in the Body Fluids of Hydrothermal Vent Alvinellid Polychaetes. Physiological Zoology, 1997, 70, 578-588.	1.5	22
58	Ice-brine and planktonic microheterotrophs from Saroma-ko Lagoon, Hokkaido (Japan): quantitative importance and trophodynamics. Journal of Marine Systems, 1997, 11, 149-161.	2.1	21
59	Nitrate elimination and regeneration as evidenced by dissolved inorganic nitrogen isotopes in Saanich Inlet, a seasonally anoxic fjord. Marine Chemistry, 2013, 157, 194-207.	2.3	21
60	Diversity and abundance of Bacteria and nirS-encoding denitrifiers associated with the Juan de Fuca Ridge hydrothermal system. Annals of Microbiology, 2014, 64, 1691-1705.	2.6	20
61	Diversity, Abundance and Community Structure of Benthic Macro- and Megafauna on the Beaufort Shelf and Slope. PLoS ONE, 2014, 9, e101556.	2.5	20
62	Feeding and territorial behavior of Paralvinella sulfincola, a polychaete worm at deep-sea hydrothermal vents of the Northeast Pacific Ocean. Journal of Experimental Marine Biology and Ecology, 2006, 329, 174-186.	1.5	17
63	Interaction of Vent Biota and Hydrothermal Deposits: Present Evidence and Future Experimentation. Geophysical Monograph Series, 2013, , 178-193.	0.1	17
64	Cosmopolitan underwater fauna. Nature, 1990, 344, 300-300.	27.8	16
65	Surface-sediment bioturbation quantified with cameras on the NEPTUNE Canada cabled observatory. Marine Ecology - Progress Series, 2012, 453, 137-149.	1.9	16
66	Spatio-temporal variability in benthic microbial activity and particle flux in the Laurentian Trough. Deep-Sea Research Part I: Oceanographic Research Papers, 1997, 44, 1793-1813.	1.4	15
67	Temporal and spatial variation in temperature experienced by macrofauna at Main Endeavour hydrothermal vent field. Deep-Sea Research Part I: Oceanographic Research Papers, 2015, 106, 154-166.	1.4	15
68	Perspectives on in situ Sensors for Ocean Acidification Research. Frontiers in Marine Science, 2019, 6, .	2.5	15
69	Euphotic zone nitrification in the NE subarctic Pacific: Implications for measurements of new production. Marine Chemistry, 2013, 155, 113-123.	2.3	14
70	Diversity and characterization of bacterial communities of five coâ€occurring species at a hydrothermal vent on the Tonga Arc. Ecology and Evolution, 2021, 11, 4481-4493.	1.9	14
71	Blue mats: faunal composition and food web structure in colonial ciliate (Folliculinopsis sp.) mats at Northeast Pacific hydrothermal vents. Marine Ecology - Progress Series, 2010, 412, 93-101.	1.9	13
72	Better Regional Ocean Observing Through Cross-National Cooperation: A Case Study From the Northeast Pacific. Frontiers in Marine Science, 2019, 6, .	2.5	12

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73	Phylogenetic characterization of the bacterial assemblage associated with mucous secretions of the hydrothermal vent polychaete Paralvinella palmiformis. FEMS Microbiology Ecology, 2002, 42, 463-476.	2.7	12
74	Deposit feeding ecology ofAmphibola crenataI. Longâ€term effects of deposit feeding on sediment microâ€organisms. New Zealand Journal of Marine and Freshwater Research, 1987, 21, 235-246.	2.0	10
75	SONAR BACKSCATTER DIFFERENTIATION OF DOMINANT MACROHABITAT TYPES IN A HYDROTHERMAL VENT FIELD. , 2006, 16, 1421-1435.		10
76	Canadian Healthy Oceans Network (CHONe): An Academicâ€"Government Partnership to Develop Scientific Guidelines for Conservation and Sustainable Usage of Marine Biodiversity. Fisheries, 2012, 37, 296-304.	0.8	10
77	Molecular study of bacterial diversity within the trophosome of the vestimentiferan tubeworm <scp>R</scp>idgeia piscesae. Marine Ecology, 2015, 36, 35-44.	1.1	9
78	Capturing Compositional Variation in Denitrifying Communities: a Multiple-Primer Approach That Includes Epsilonproteobacteria. Applied and Environmental Microbiology, 2017, 83, .	3.1	9
79	Continental margin sediments underlying the <scp>NE</scp> Pacific oxygen minimum zone are a source of nitrous oxide to the water column. Limnology and Oceanography Letters, 2021, 6, 68-76.	3.9	9
80	Is the trophosome of Ridgeia piscesae monoclonal?. Symbiosis, 2018, 74, 55-65.	2.3	7
81	Remote monitoring of a deepâ€sea marine protected area: The Endeavour Hydrothermal Vents. Aquatic Conservation: Marine and Freshwater Ecosystems, 2019, 29, 84-102.	2.0	6
82	Monitoring and Observatories: Multidisciplinary, Time-Series Observations at Mid-Ocean Ridges. Oceanography, 2007, 20, 128-137.	1.0	5
83	Integrating Multidisciplinary Observations in Vent Environments (IMOVE): Decadal Progress in Deep-Sea Observatories at Hydrothermal Vents. Frontiers in Marine Science, 2022, 9, .	2.5	5
84	Comparison of the benzyl viologen and bimane HPLC assays for the determination of sulfide-oxidizing capability in the tissues of hydrothermal vent and non-vent polychaetes. Canadian Journal of Zoology, 1997, 75, 1618-1627.	1.0	4
85	Axial Seamount - wired and restless: A cabled submarine network enables real-time, tracking of a Mid-Ocean Ridge eruption and live video of an active hydrothermal system Juan de Fuca Ridge, NE Pacific. , 2016, , .		4
86	Temporal and Vertical Oxygen Gradients Modulate Nitrous Oxide Production in a Seasonally Anoxic Fjord: Saanich Inlet, British Columbia. Journal of Geophysical Research G: Biogeosciences, 2020, 125, e2020JG005631.	3.0	4
87	Shining light on a deep-sea bacterial symbiont population structure with CRISPR. Microbial Genomics, 2021, 7, .	2.0	4
88	Regional-Scale Features of Northeast Pacific, East Pacific Rise, and Gulf of Aden Vent Communities. , 1990, , 265-278.		4
89	Deposit feeding ecology ofAmphibola crenataII. Contribution of microbial carbon toAmphibola'scarbon requirements. New Zealand Journal of Marine and Freshwater Research, 1987, 21, 247-251.	2.0	3
90	Canadaâ€™s Internet-Connected Ocean. Frontiers in Marine Science, 2022, 8, .	2.5	3

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91	Holistic environmental monitoring in ports as an opportunity to advance sustainable development, marine science, and social inclusiveness. Elementa, 2022, 10, .	3.2	3
92	A multi-use and multi-stakeholder ocean observing platform system. , 2019, , .		2
93	Tissue-specific fatty acid profiles of vent-obligate tonguefishes (Symphurus spp.) on volcanic arcs in the western Pacific Ocean. Marine Biology, 2016, 163, 1.	1.5	1
94	Towards an Ecosystem Approach to Environmental Impact Assessment for Deep-Sea Mining. , 2019, , 63-94.		1
95	Deep-sea hydrothermal vents and cold seeps. , 2020, , 238-292.		1
96	Erratum to â€œStructure and composition of the consolidated mud tube of Maldane sarsi (Polychaeta:) Tj ETQq0 0 0 rgBT /Overlock 10 Science, 2009, 83, 113-114.	2.1	0
97	Canada's Cabled Ocean Observatories. , 2014, , .		0
98	Can whale-fall studies inform human forensics?. Science and Justice - Journal of the Forensic Science Society, 2021, 61, 459-466.	2.1	0