

# S Kim Juniper

## List of Publications by Year in descending order

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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	Canada's Internet-Connected Ocean. <i>Frontiers in Marine Science</i> , 2022, 8, .	2.5	3
2	Holistic environmental monitoring in ports as an opportunity to advance sustainable development, marine science, and social inclusiveness. <i>Elementa</i> , 2022, 10, .	3.2	3
3	Integrating Multidisciplinary Observations in Vent Environments (IMOVE): Decadal Progress in Deep-Sea Observatories at Hydrothermal Vents. <i>Frontiers in Marine Science</i> , 2022, 9, .	2.5	5
4	Continental margin sediments underlying the NE Pacific oxygen minimum zone are a source of nitrous oxide to the water column. <i>Limnology and Oceanography Letters</i> , 2021, 6, 68-76.	3.9	9
5	Diversity and characterization of bacterial communities of five co-occurring species at a hydrothermal vent on the Tonga Arc. <i>Ecology and Evolution</i> , 2021, 11, 4481-4493.	1.9	14
6	Shining light on a deep-sea bacterial symbiont population structure with CRISPR. <i>Microbial Genomics</i> , 2021, 7, .	2.0	4
7	Can whale-fall studies inform human forensics?. <i>Science and Justice - Journal of the Forensic Science Society</i> , 2021, 61, 459-466.	2.1	0
8	Temporal and Vertical Oxygen Gradients Modulate Nitrous Oxide Production in a Seasonally Anoxic Fjord: Saanich Inlet, British Columbia. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2020, 125, e2020JG005631.	3.0	4
9	Deep-sea hydrothermal vents and cold seeps. , 2020, , 238-292.		1
10	Hydrothermal vent protistan distribution along the Mariana arc suggests vent endemics may be rare and novel. <i>Environmental Microbiology</i> , 2019, 21, 3796-3815.	3.8	23
11	Perspectives on in situ Sensors for Ocean Acidification Research. <i>Frontiers in Marine Science</i> , 2019, 6, .	2.5	15
12	The Importance of Connected Ocean Monitoring Knowledge Systems and Communities. <i>Frontiers in Marine Science</i> , 2019, 6, .	2.5	31
13	Towards an Ecosystem Approach to Environmental Impact Assessment for Deep-Sea Mining. , 2019, , 63-94.		1
14	Better Regional Ocean Observing Through Cross-National Cooperation: A Case Study From the Northeast Pacific. <i>Frontiers in Marine Science</i> , 2019, 6, .	2.5	12
15	A multi-use and multi-stakeholder ocean observing platform system. , 2019, , .		2
16	Remote monitoring of a deep-sea marine protected area: The Endeavour Hydrothermal Vents. <i>Aquatic Conservation: Marine and Freshwater Ecosystems</i> , 2019, 29, 84-102.	2.0	6
17	Is the trophosome of <i>Ridgeia piscesae</i> monoclonal?. <i>Symbiosis</i> , 2018, 74, 55-65.	2.3	7
18	Expert, Crowd, Students or Algorithm: who holds the key to deep-sea imagery "big data" processing?. <i>Methods in Ecology and Evolution</i> , 2017, 8, 996-1004.	5.2	29

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19	Capturing Compositional Variation in Denitrifying Communities: a Multiple-Primer Approach That Includes Epsilonproteobacteria. <i>Applied and Environmental Microbiology</i> , 2017, 83, .	3.1	9
20	Bottom trawling and oxygen minimum zone influences on continental slope benthic community structure off Vancouver Island (NE Pacific). <i>Deep-Sea Research Part II: Topical Studies in Oceanography</i> , 2017, 137, 404-419.	1.4	28
21	Seasonal monitoring of deep-sea megabenthos in Barkley Canyon cold seep by internet operated vehicle (IOV). <i>PLoS ONE</i> , 2017, 12, e0176917.	2.5	50
22	Environmental Drivers of Benthic Flux Variation and Ecosystem Functioning in Salish Sea and Northeast Pacific Sediments. <i>PLoS ONE</i> , 2016, 11, e0151110.	2.5	37
23	Tissue-specific fatty acid profiles of vent-obligate tonguefishes ( <i>Symphurus</i> spp.) on volcanic arcs in the western Pacific Ocean. <i>Marine Biology</i> , 2016, 163, 1.	1.5	1
24	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
25	Insights into Symbiont Population Structure among Three Vestimentiferan Tubeworm Host Species at Eastern Pacific Spreading Centers. <i>Applied and Environmental Microbiology</i> , 2016, 82, 5197-5205.	3.1	28
26	Molecular study of bacterial diversity within the trophosome of the vestimentiferan tubeworm <i>Ridgeia piscesae</i> . <i>Marine Ecology</i> , 2015, 36, 35-44.	1.1	9
27	Temporal and spatial variation in temperature experienced by macrofauna at Main Endeavour hydrothermal vent field. <i>Deep-Sea Research Part I: Oceanographic Research Papers</i> , 2015, 106, 154-166.	1.4	15
28	Ocean Networks Canada: From Geohazards Research Laboratories to Smart Ocean Systems. <i>Oceanography</i> , 2014, 27, 151-153.	1.0	36
29	Diversity and abundance of Bacteria and nirS-encoding denitrifiers associated with the Juan de Fuca Ridge hydrothermal system. <i>Annals of Microbiology</i> , 2014, 64, 1691-1705.	2.6	20
30	Establishing a new era of submarine volcanic observatories: Cabling Axial Seamount and the Endeavour Segment of the Juan de Fuca Ridge. <i>Marine Geology</i> , 2014, 352, 426-450.	2.1	87
31	High-frequency study of epibenthic megafaunal community dynamics in Barkley Canyon: A multi-disciplinary approach using the NEPTUNE Canada network. <i>Journal of Marine Systems</i> , 2014, 130, 56-68.	2.1	63
32	Canada's Cabled Ocean Observatories. , 2014, , .		0
33	Diversity, Abundance and Community Structure of Benthic Macro- and Megafauna on the Beaufort Shelf and Slope. <i>PLoS ONE</i> , 2014, 9, e101556.	2.5	20
34	Euphotic zone nitrification in the NE subarctic Pacific: Implications for measurements of new production. <i>Marine Chemistry</i> , 2013, 155, 113-123.	2.3	14
35	Nitrate elimination and regeneration as evidenced by dissolved inorganic nitrogen isotopes in Saanich Inlet, a seasonally anoxic fjord. <i>Marine Chemistry</i> , 2013, 157, 194-207.	2.3	21
36	Activity and positioning of eurythermal hydrothermal vent sulphide worms in a variable thermal environment. <i>Journal of Experimental Marine Biology and Ecology</i> , 2013, 448, 149-155.	1.5	26

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37	A year in Barkley Canyon: A time-series observatory study of mid-slope benthos and habitat dynamics using the NEPTUNE Canada network. <i>Deep-Sea Research Part II: Topical Studies in Oceanography</i> , 2013, 92, 114-123.	1.4	52
38	Free-living bacterial communities associated with tubeworm ( <i>Ridgeia piscesae</i> ) aggregations in contrasting diffuse flow hydrothermal vent habitats at the Main Endeavour Field, Juan de Fuca Ridge. <i>MicrobiologyOpen</i> , 2013, 2, 259-275.	3.0	38
39	Interaction of Vent Biota and Hydrothermal Deposits: Present Evidence and Future Experimentation. <i>Geophysical Monograph Series</i> , 2013, , 178-193.	0.1	17
40	Canadian Healthy Oceans Network (CHONe): An Academic-Government Partnership to Develop Scientific Guidelines for Conservation and Sustainable Usage of Marine Biodiversity. <i>Fisheries</i> , 2012, 37, 296-304.	0.8	10
41	Upper Water Column Nitrous Oxide Distributions in the Northeast Subarctic Pacific Ocean. <i>Atmosphere - Ocean</i> , 2012, 50, 475-486.	1.6	34
42	Subseafloor nitrogen transformations in diffuse hydrothermal vent fluids of the Juan de Fuca Ridge evidenced by the isotopic composition of nitrate and ammonium. <i>Geochemistry, Geophysics, Geosystems</i> , 2012, 13, .	2.5	60
43	A Year in Hypoxia: Epibenthic Community Responses to Severe Oxygen Deficit at a Subsea Observatory in a Coastal Inlet. <i>PLoS ONE</i> , 2012, 7, e45626.	2.5	40
44	Activity and abundance of denitrifying bacteria in the subsurface biosphere of diffuse hydrothermal vents of the Juan de Fuca Ridge. <i>Biogeosciences</i> , 2012, 9, 4661-4678.	3.3	37
45	Surface-sediment bioturbation quantified with cameras on the NEPTUNE Canada cabled observatory. <i>Marine Ecology - Progress Series</i> , 2012, 453, 137-149.	1.9	16
46	Multi-parametric study of behavioural modulation in demersal decapods at the VENUS cabled observatory in Saanich Inlet, British Columbia, Canada. <i>Journal of Experimental Marine Biology and Ecology</i> , 2011, 401, 89-96.	1.5	31
47	Nitrification from the lower euphotic zone to the sub-oxic waters of a highly productive British Columbia fjord. <i>Marine Chemistry</i> , 2011, 126, 173-181.	2.3	25
48	Automated Image Analysis for the Detection of Benthic Crustaceans and Bacterial Mat Coverage Using the VENUS Undersea Cabled Network. <i>Sensors</i> , 2011, 11, 10534-10556.	3.8	36
49	Blue mats: faunal composition and food web structure in colonial ciliate ( <i>Folliculinopsis</i> sp.) mats at Northeast Pacific hydrothermal vents. <i>Marine Ecology - Progress Series</i> , 2010, 412, 93-101.	1.9	13
50	Bacterial diversity in Fe-rich hydrothermal sediments at two South Tonga Arc submarine volcanoes. <i>Geobiology</i> , 2010, 8, 417-432.	2.4	52
51	Erratum to "Structure and composition of the consolidated mud tube of <i>Maldane sarsi</i> (Polychaeta: Tj ETQq1 1 0.784314 rgBT / Oceanography, 2009, 83, 113-114.	2.1	0
52	Structure and composition of the consolidated mud tube of <i>Maldane sarsi</i> (Polychaeta: Maldanidae). <i>Estuarine, Coastal and Shelf Science</i> , 2008, 78, 360-368.	2.1	23
53	Ontogenetic shifts in the trophic ecology of two alvinocaridid shrimp species at hydrothermal vents on the Mariana Arc, western Pacific Ocean. <i>Marine Ecology - Progress Series</i> , 2008, 356, 225-237.	1.9	23
54	Trophic ecology of siphonostomatoid copepods at deep-sea hydrothermal vents in the northeast Pacific. <i>Marine Ecology - Progress Series</i> , 2008, 359, 161-170.	1.9	23

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55	Ferromanganese nodule fauna in the Tropical North Pacific Ocean: Species richness, faunal cover and spatial distribution. <i>Deep-Sea Research Part I: Oceanographic Research Papers</i> , 2007, 54, 1912-1935.	1.4	73
56	Influence of surface texture and microhabitat heterogeneity in structuring nodule faunal communities. <i>Deep-Sea Research Part I: Oceanographic Research Papers</i> , 2007, 54, 1936-1943.	1.4	32
57	Monitoring and Observatories: Multidisciplinary, Time-Series Observations at Mid-Ocean Ridges. <i>Oceanography</i> , 2007, 20, 128-137.	1.0	5
58	Protozoan?bacterial symbiosis in a deep-sea hydrothermal vent folliculinid ciliate ( <i>Folliculinopsis</i> sp.) from the Juan de Fuca Ridge. <i>Marine Ecology</i> , 2007, 28, 63-71.	1.1	40
59	POM in macro-/meiofaunal food webs associated with three flow regimes at deep-sea hydrothermal vents on Axial Volcano, Juan de Fuca Ridge. <i>Marine Biology</i> , 2007, 153, 129-139.	1.5	44
60	Spatial organization of food webs along habitat gradients at deep-sea hydrothermal vents on Axial Volcano, Northeast Pacific. <i>Deep-Sea Research Part I: Oceanographic Research Papers</i> , 2006, 53, 726-739.	1.4	35
61	SONAR BACKSCATTER DIFFERENTIATION OF DOMINANT MACROHABITAT TYPES IN A HYDROTHERMAL VENT FIELD. , 2006, 16, 1421-1435.		10
62	Long-term eruptive activity at a submarine arc volcano. <i>Nature</i> , 2006, 441, 494-497.	27.8	141
63	Feeding and territorial behavior of <i>Paralvinella sulfincola</i> , a polychaete worm at deep-sea hydrothermal vents of the Northeast Pacific Ocean. <i>Journal of Experimental Marine Biology and Ecology</i> , 2006, 329, 174-186.	1.5	17
64	Origin, composition and nutritional quality of particulate matter at deep-sea hydrothermal vents on Axial Volcano, NE Pacific. <i>Marine Ecology - Progress Series</i> , 2005, 289, 43-52.	1.9	32
65	<i>Desulfurobacterium crinifex</i> sp. nov., a novel thermophilic, pinkish-streamer forming, chemolithoautotrophic bacterium isolated from a Juan de Fuca Ridge hydrothermal vent and amendment of the genus <i>Desulfurobacterium</i> . <i>Extremophiles</i> , 2003, 7, 361-370.	2.3	41
66	Denitrification in sediments of the Laurentian Trough, St. Lawrence Estuary, Québec, Canada. <i>Estuarine, Coastal and Shelf Science</i> , 2003, 57, 515-522.	2.1	24
67	Food resource partitioning and competition among alvinellid polychaetes of Juan de Fuca Ridge hydrothermal vents. <i>Marine Ecology - Progress Series</i> , 2003, 246, 173-182.	1.9	51
68	Phylogenetic characterization of the bacterial assemblage associated with mucous secretions of the hydrothermal vent polychaete <i>Paralvinella palmiformis</i> . <i>FEMS Microbiology Ecology</i> , 2002, 42, 463-476.	2.7	86
69	Phylogenetic characterization of the bacterial assemblage associated with mucous secretions of the hydrothermal vent polychaete <i>Paralvinella palmiformis</i> . <i>FEMS Microbiology Ecology</i> , 2002, 42, 463-476.	2.7	12
70	Subsurface viruses and bacteria in Holocene/Late Pleistocene sediments of Saanich Inlet, BC: ODP Holes 1033B and 1034B, Leg 169S. <i>Marine Geology</i> , 2001, 174, 227-239.	2.1	58
71	Extraction and purification of DNA from organic rich subsurface sediments (ODP Leg 169S). <i>Marine Geology</i> , 2001, 174, 241-247.	2.1	30
72	Protozoan Bacterivory in the Ice and the Water Column of a Cold Temperate Lagoon. <i>Microbial Ecology</i> , 1999, 37, 95-106.	2.8	25

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73	Physical and chemical factors influencing species distributions on hydrothermal sulfide edifices of the Juan de Fuca Ridge, northeast Pacific. <i>Marine Ecology - Progress Series</i> , 1999, 190, 89-112.	1.9	127
74	Biological characteristics of a hydrothermal edifice mosaic community. <i>Marine Ecology - Progress Series</i> , 1999, 185, 1-19.	1.9	120
75	Bacterial and viral abundances in hydrothermal event plumes over northern Gorda Ridge. <i>Deep-Sea Research Part II: Topical Studies in Oceanography</i> , 1998, 45, 2739-2749.	1.4	35
76	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. <i>Canadian Journal of Zoology</i> , 1997, 75, 1618-1627.	1.0	4
77	Crustal accretion and the hot vent ecosystem. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , 1997, 355, 459-474.	3.4	41
78	Sulfide Binding in the Body Fluids of Hydrothermal Vent Alvinellid Polychaetes. <i>Physiological Zoology</i> , 1997, 70, 578-588.	1.5	22
79	Spatio-temporal variability in benthic microbial activity and particle flux in the Laurentian Trough. <i>Deep-Sea Research Part I: Oceanographic Research Papers</i> , 1997, 44, 1793-1813.	1.4	15
80	Biological colonization of new hydrothermal vents following an eruption on Juan de Fuca Ridge. <i>Deep-Sea Research Part I: Oceanographic Research Papers</i> , 1997, 44, 1627-1644.	1.4	143
81	Ice-brine and planktonic microheterotrophs from Saroma-ko Lagoon, Hokkaido (Japan): quantitative importance and trophodynamics. <i>Journal of Marine Systems</i> , 1997, 11, 149-161.	2.1	21
82	Changes in sea-ice phagotrophic microprotists (20–200 µm) during the spring algal bloom, Canadian Arctic Archipelago. <i>Journal of Marine Systems</i> , 1997, 11, 163-172.	2.1	27
83	Carbon flows through the microbial food web of first-year ice in resolute passage (Canadian High) Tj ETQq1 1 0.784314 rgBT JOverlod	2.1	34
84	Biological and geological dynamics over four years on a high-temperature sulfide structure at the Juan de Fuca Ridge hydrothermal observatory. <i>Marine Ecology - Progress Series</i> , 1997, 153, 5-24.	1.9	169
85	Clam distribution and subsurface hydrothermal processes at Chowder Hill (Middle Valley), Juan de Fuca Ridge. <i>Marine Ecology - Progress Series</i> , 1996, 130, 105-115.	1.9	23
86	Relationship between phytoplankton production and the physical structure of the water column near Cobb Seamount, northeast Pacific. <i>Deep-Sea Research Part I: Oceanographic Research Papers</i> , 1995, 42, 993-1005.	1.4	56
87	Microbial-mineral floc associated with nascent hydrothermal activity on CoAxial Segment, Juan de Fuca Ridge. <i>Geophysical Research Letters</i> , 1995, 22, 179-182.	4.0	73
88	Alvinellids and Sulfides at Hydrothermal Vents of the Eastern Pacific: A Review. <i>American Zoologist</i> , 1995, 35, 174-185.	0.7	26
89	Hydrothermal vents in turbidite sediments on a Northeast Pacific spreading centre: organisms and substratum at an ocean drilling site. <i>Canadian Journal of Zoology</i> , 1992, 70, 1792-1809.	1.0	42
90	Influence of a tube-building polychaete on hydrothermal chimney mineralization. <i>Geology</i> , 1992, 20, 895.	4.4	56

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91	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
92	Cosmopolitan underwater fauna. Nature, 1990, 344, 300-300.	27.8	16
93	Dynamic character of the hydrothermal vent habitat and the nature of sulphide chimney fauna. Progress in Oceanography, 1990, 24, 1-13.	3.2	77
94	Regional-Scale Features of Northeast Pacific, East Pacific Rise, and Gulf of Aden Vent Communities. , 1990, , 265-278.		4
95	Deposit feeding ecology of <i>Amphibola crenata</i> . Contribution of microbial carbon to <i>Amphibola</i> 's carbon requirements. New Zealand Journal of Marine and Freshwater Research, 1987, 21, 247-251.	2.0	3
96	Deposit feeding ecology of <i>Amphibola crenata</i> . Long-term effects of deposit feeding on sediment microorganisms. New Zealand Journal of Marine and Freshwater Research, 1987, 21, 235-246.	2.0	10
97	Hydrothermal vents of Explorer Ridge, northeast Pacific. Deep-sea Research Part A, Oceanographic Research Papers, 1986, 33, 401-412.	1.5	84
98	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