Richard A Lutz

List of Publications by Year
in descending order

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45 papers	3,204 citations	172457 29 h-index	265206 42 g-index
46 all docs	46 docs citations	46 times ranked	2486 citing authors

#	Article	IF	Citations
1	LARVAL ECOLOGY OF MARINE BENTHIC INVERTEBRATES: PALEOBIOLOGICAL IMPLICATIONS. Biological Reviews, 1983, 58, 21-89.	10.4	507
2	Temporal and spatial patterns of biological community development at nascent deep-sea hydrothermal vents (9Â°50â€²N, East Pacific Rise). Deep-Sea Research Part II: Topical Studies in Oceanography, 1998, 45, 465-515.	1.4	366
3	Chemical speciation drives hydrothermal vent ecology. Nature, 2001, 410, 813-816.	27.8	337
4	Rapid growth at deep-sea vents. Nature, 1994, 371, 663-664.	27.8	203
5	Ecology of deep-sea hydrothermal vent communities: A review. Reviews of Geophysics, 1993, 31, 211.	23.0	163
6	Temporal change in megafauna at the Rose Garden hydrothermal vent (Galapagos Rift; eastern tropical) Tj ETQq0 0 0 rgBT /Overlock 10	1.5	154
7	Miocene Radiation of Deep-Sea Hydrothermal Vent Shrimp (Caridea: Bresiliidae): Evidence from Mitochondrial Cytochrome Oxidase Subunit I. Molecular Phylogenetics and Evolution, 1999, 13, 244-254.	2.7	113
8	Molluscan Larval Shell Morphology. Topics in Geobiology, 1980, , 323-377.	0.5	112
9	Mercury Adaptation among Bacteria from a Deep-Sea Hydrothermal Vent. Applied and Environmental Microbiology, 2005, 71, 220-226.	3.1	109
10	Thermovibrio ammonificans sp. nov., a thermophilic, chemolithotrophic, nitrate-ammonifying bacterium from deep-sea hydrothermal vents. International Journal of Systematic and Evolutionary Microbiology, 2004, 54, 175-181.	1.7	97
11	Deep-sea hydrothermal vent Epsilonproteobacteria encode a conserved and widespread nitrate reduction pathway (Nap). ISME Journal, 2014, 8, 1510-1521.	9.8	86
12	Cryptic species of deep-sea clams (Mollusca: Bivalvia: Vesicomyidae) from hydrothermal vent and cold-water seep environments. Deep-Sea Research Part I: Oceanographic Research Papers, 1994, 41, 1171-1189.	1.4	67
13	Experimental ecology at deep-sea hydrothermal vents: a perspective. Journal of Experimental Marine Biology and Ecology, 2004, 300, 273-307.	1.5	64
14	Vertical distribution and diversity of bacteria and archaea in sulfide and methane-rich cold seep sediments located at the base of the Florida Escarpment. Extremophiles, 2006, 10, 199-211.	2.3	59
15	Paleodictyon nodosum: A living fossil on the deep-sea floor. Deep-Sea Research Part II: Topical Studies in Oceanography, 2009, 56, 1700-1712.	1.4	56
16	LARVAL DEVELOPMENT OF THE NORTHERN HORSE MUSSEL, MODIOLUS MODIOLUS (L.), INCLUDING A COMPARISON WITH THE LARVAE OF MYTILUS EDULIS L. AS AN AID IN PLANKTONIC IDENTIFICATION. Biological Bulletin, 1976, 150, 348-360.	1.8	46
17	Neutral and Nonneutral Mitochondrial Genetic Variation in Deep-Sea Clams from the Family Vesicomyidae. Journal of Molecular Evolution, 2000, 50, 141-153.	1.8	43
18	The relationship of larval shell morphology to mode of development in marine prosobranch gastropods. Journal of the Marine Biological Association of the United Kingdom, 1990, 70, 611-637.	0.8	42

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19	Hinge morphogenesis in the shells of larval and early post-larval mussels (Mytilus edulis L. and) Tj ETQq1 1 0.784314 rgBT /Ove 1979, 59, 111-121.	0.8	39
20	Salinisphaera hydrothermalis sp. nov., a mesophilic, halotolerant, facultatively autotrophic, thiosulfate-oxidizing gammaproteobacterium from deep-sea hydrothermal vents, and emended description of the genus Salinisphaera. International Journal of Systematic and Evolutionary Microbiology, 2009, 59, 1497-1503.	1.7	38
21	Shell morphology of larval and post-larval mytilids from the north-western Atlantic. Journal of the Marine Biological Association of the United Kingdom, 1989, 69, 181-218.	0.8	37
22	Patterns of dispersal and larval development of archaeogastropod limpets at hydrothermal vents in the eastern Pacific. Journal of Experimental Marine Biology and Ecology, 1997, 210, 37-51.	1.5	37
23	Genetic diversity and demographic instability in Riftia pachyptilatubeworms from eastern Pacific hydrothermal vents. BMC Evolutionary Biology, 2011, 11, 96.	3.2	34
24	Biomineralization of barite in the shell of the freshwater Asiatic clam Corbicula fluminea (Molluscs:) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50	3.1	33
25	Electrophoretic identification and genetic analysis of bivalve larvae. Marine Biology, 1992, 113, 227-230.	1.5	33
26	A comparison of bivalve (Calyptogena magnifica) growth at two deep-sea hydrothermal vents in the eastern Pacific. Deep-sea Research Part A, Oceanographic Research Papers, 1988, 35, 1793-1810.	1.5	32
27	Population genetics and biogeography of vestimentiferan tube worms. Deep-Sea Research Part II: Topical Studies in Oceanography, 1998, 45, 365-382.	1.4	32
28	Interrelationships Between Vent Fluid Chemistry, Temperature, Seismic Activity, and Biological Community Structure at a Mussel-Dominated, Deep-Sea Hydrothermal Vent Along the East Pacific Rise. Journal of Shellfish Research, 2008, 27, 177-190.	0.9	31
29	Hydrothermal Vent Mussel Habitat Chemistry, Pre- and Post-Eruption at 9Â°50â€²North on the East Pacific Rise. Journal of Shellfish Research, 2008, 27, 169-175.	0.9	29
30	Phylogenetic diversity of methanogenic, sulfate-reducing and methanotrophic prokaryotes from deep-sea hydrothermal vents and cold seeps. Deep-Sea Research Part II: Topical Studies in Oceanography, 2009, 56, 1665-1674.	1.4	27
31	Calcium carbonate dissolution rates in deep-sea bivalve shells on the East Pacific Rise at 21Â°N: results of an 8-year in-situ experiment. Palaeogeography, Palaeoclimatology, Palaeoecology, 1999, 154, 293-299.	2.3	26
32	A Dive to Challenger Deep. Science, 2012, 336, 301-302.	12.6	25
33	Microbial biofilms associated with fluid chemistry and megafaunal colonization at post-eruptive deep-sea hydrothermal vents. Deep-Sea Research Part II: Topical Studies in Oceanography, 2015, 121, 31-40.	1.4	25
34	Phorcysia thermohydrogeniphila gen. nov., sp. nov., a thermophilic, chemolithoautotrophic, nitrate-ammonifying bacterium from a deep-sea hydrothermal vent. International Journal of Systematic and Evolutionary Microbiology, 2012, 62, 2388-2394.	1.7	20
35	Pre- and post-eruption diffuse flow variability among tubeworm habitats at 9Â°50â€² north on the East Pacific Rise. Deep-Sea Research Part II: Topical Studies in Oceanography, 2009, 56, 1607-1615.	1.4	19
36	Seasonal and geographic variation in the shell microstructure of a salt-marsh bivalve (<I>Geukensia demissa</I> (Dillwyn)). Journal of Marine Research, 1984, 42, 943-956.	0.3	16

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37	Calcium carbonate dissolution rates in hydrothermal vent fields of the Guaymas Basin. Journal of Marine Research, 1994, 52, 969-982.	0.3	16
38	Procedures for Accurate Documentation of Shapes and Dimensions of Larval Bivalve Shells with Scanning Electron Microscopy. Transactions of the American Microscopical Society, 1989, 108, 58.	0.3	12
39	Scanning Electron Microscopic Aids for Identification of Larval and Post-Larval Bivalves. Journal of Shellfish Research, 2018, 37, 247-448.	0.9	4
40	Mussel Aquaculture in the United States. , 1985, , 311-363.		4
41	Larval ecology of extinct molluscs: Comment on larval development of hyolithids. Lethaia, 1979, 12, 306-306.	1.4	3
42	Optical Imaging and Molecular Sequencing of a Preserved Collection of Bivalve Larvae. Journal of Shellfish Research, 2018, 37, 449-466.	0.9	3
43	Hydrothermal Vent Biota. , 2019, , 308-319.		3
44	Seasonal Changes in Shell Microstructure of Some Common Bivalve Molluscs in the Mid-Atlantic Region. Journal of Shellfish Research, 2022, 41, .	0.9	2
45	Shell Morphology and Morphometry of Larval and Post-Larval Donax fossor Say (Bivalvia: Donacidae). Journal of Shellfish Research, 2021, 40, .	0.9	0