Herman Hummel

List of Publications by Year
in descending order

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95	2,409	172386	254106
papers	citations	29	43
		h-index	g-index

99	99	99	2810
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	A bottom-up practitioner-derived set of Essential Variables for Protected Area management. Environmental and Sustainability Indicators, 2022, 14, 100179.	1.7	1
2	Meta-analysis of multidecadal biodiversity trends in Europe. Nature Communications, 2020, 11, 3486.	5.8	115
3	Protected Area management: Fusion and confusion with the ecosystem services approach. Science of the Total Environment, 2019, 651, 2432-2443.	3.9	69
4	First description of epizoic ciliates (Sessilida Stein, 1933) onÂBathyporeia LindstrÃ¶m, 1855 (Peracarida,) Tj ETQq0 0 0 rgBT /Overlock 1	0.1	2
5	Essence of the patterns of cover and richness of intertidal hard bottom communities: a pan-European study. Journal of the Marine Biological Association of the United Kingdom, 2017, 97, 525-538.	0.4	10
6	Consistent patterns of spatial variability between NE Atlantic and Mediterranean rocky shores. Journal of the Marine Biological Association of the United Kingdom, 2017, 97, 539-547.	0.4	11
7	Geographic patterns of biodiversity in European coastal marine benthos. Journal of the Marine Biological Association of the United Kingdom, 2017, 97, 507-523.	0.4	14
8	The role of physical variables in biodiversity patterns of intertidal macroalgae along European coasts. Journal of the Marine Biological Association of the United Kingdom, 2017, 97, 549-560.	0.4	10
9	50 years of the European Marine Biology symposium â€“ a continuing success story. Journal of the Marine Biological Association of the United Kingdom, 2017, 97, 463-464.	0.4	0
10	Ecosystem services in European protected areas: Ambiguity in the views of scientists and managers?. PLoS ONE, 2017, 12, e0187143.	1.1	23
11	Marine and coastal ecosystem services on the scienceâ€“policyâ€“practice nexus: challenges and opportunities from 11 European case studies. International Journal of Biodiversity Science, Ecosystem Services & Management, 2017, 13, 51-67.	2.9	55
12	What Is Marine Biodiversity? Towards Common Concepts and Their Implications for Assessing Biodiversity Status. Frontiers in Marine Science, 2016, 3, .	1.2	30
13	Introduction to the Proceedings of the 49th European Marine Biology Symposium. Journal of the Marine Biological Association of the United Kingdom, 2015, 95, 1517-1517.	0.4	1
14	A comparison of the degree of implementation of marine biodiversity indicators by European countries in relation to the Marine Strategy Framework Directive (MSFD). Journal of the Marine Biological Association of the United Kingdom, 2015, 95, 1519-1531.	0.4	35
15	Fluctuating and Directional Asymmetry of the Blue Mussel (Mytilus edulis): Improving Methods of Morphological Analysis to Explore Species Performance at the Northern Border of Its Range. Symmetry, 2015, 7, 488-514.	1.1	10
16	Comparison of PCBs and PAHs levels in European coastal waters using mussels from the Mytilus edulis complex as biomonitors. Oceanologia, 2015, 57, 196-211.	1.1	65
17	Longâ€term patterns in the establishment, expansion and decline of invading macrozoobenthic species in the brackish and marine waters of <scp>S</scp>outhwest <scp>N</scp>etherlands. Marine Ecology, 2014, 35, 50-55.	0.4	3
18	Glacial history of the European marine mussels Mytilus, inferred from distribution of mitochondrial DNA lineages. Heredity, 2014, 113, 250-258.	1.2	27

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19	Î´13C and Î´15N variations in organic matter pools, Mytilus spp. and Macoma balthica along the European Atlantic coast. Marine Biology, 2013, 160, 541-552.	0.7	12
20	Glacial refugium versus range limit: Conservation genetics of Macoma Balthica, a key species in the Bay of Biscay (France). Journal of Experimental Marine Biology and Ecology, 2012, 432-433, 73-82.	0.7	18
21	Is benthic food web structure related to diversity of marine macrobenthic communities?. Estuarine, Coastal and Shelf Science, 2012, 108, 76-86.	0.9	35
22	Distribution of Mytilus taxa in European coastal areas as inferred from molecular markers. Journal of Sea Research, 2011, 65, 224-234.	0.6	59
23	On the identity of broad-shelled mussels (Mollusca, Bivalvia, Mytilus) from the Dutch delta region. Contributions To Zoology, 2011, 80, 95-106.	0.2	8
24	Short and midâ€long term effects of cockleâ€dredging on nonâ€target macrobenthic species: a beforeâ€afterâ€controlâ€impact experiment on a tidal mudflat in the Oosterschelde (The Netherlands). Marine Ecology, 2011, 32, 117-129.	0.4	11
25	Ecological evaluation of an experimental beneficial use scheme for dredged sediment disposal in shallow tidal waters. Marine Pollution Bulletin, 2011, 62, 99-108.	2.3	22
26	Is Corophium Multisetosum Stock, 1952 an Exotic Invasive Species in Europe? Distribution, Habitat, and Recent Observations in the Netherlands. Crustaceana, 2011, 84, 975-1011.	0.1	1
27	Patterns in macrozoobenthic assemblages indicate the state of the environment: insights from the Rhine-Meuse estuary. Marine Ecology - Progress Series, 2011, 436, 29-50.	0.9	1
28	The Decline and Restoration of a Coastal Lagoon (Lake Veere) in the Dutch Delta. Estuaries and Coasts, 2010, 33, 1261-1278.	1.0	14
29	Data integration for European marine biodiversity research: creating a database on benthos and plankton to study large-scale patterns and long-term changes. Hydrobiologia, 2010, 644, 1-13.	1.0	19
30	Comparison of trace metal bioavailabilities in European coastal waters using mussels from Mytilus edulis complex as biomonitors. Environmental Monitoring and Assessment, 2010, 166, 461-476.	1.3	24
31	Epidemiology of Bonamia ostreae infecting European flat oysters Ostrea edulis from Lake Grevelingen, The Netherlands. Marine Ecology - Progress Series, 2010, 409, 131-142.	0.9	54
32	Salinity-related growth rates in populations of the European clamMacoma balthicaand in field transplant experiments along the Baltic Sea salinity gradient. Marine and Freshwater Behaviour and Physiology, 2009, 42, 157-166.	0.4	13
33	The respiratory capacity of marine mussels (Mytilus galloprovincialis) in relation to the high temperature threshold. Comparative Biochemistry and Physiology Part A, Molecular & Integrative Physiology, 2009, 153, 399-402.	0.8	39
34	Genetic composition of cultured and wild mussels Mytilus from The Netherlands and transfers from Ireland and Great Britain. Aquaculture, 2009, 287, 292-296.	1.7	36
35	Predation by crustaceans on native and non-native Baltic clams. Aquatic Biology, 2009, 6, 15-24.	0.5	7
36	Macroecology of the European soft sediment benthos: insights from the MacroBen database. Marine Ecology - Progress Series, 2009, 382, 287-296.	0.9	13

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37	MacroBen integrated database on benthic invertebrates of European continental shelves: a tool for large-scale analysis across Europe. Marine Ecology - Progress Series, 2009, 382, 225-238.	0.9	25
38	Biological geography of the European seas: results from the MacroBen database. Marine Ecology - Progress Series, 2009, 382, 265-278.	0.9	14
39	Distribution patterns of macrofaunal species diversity in subtidal soft sediments: biodiversityâ€“productivity relationships from the MacroBen database. Marine Ecology - Progress Series, 2009, 382, 253-264.	0.9	14
40	Comparison of the performances of two biotic indices based on the MacroBen database. Marine Ecology - Progress Series, 2009, 382, 297-311.	0.9	57
41	Large-scale studies of the European benthos: the MacroBen database. Marine Ecology - Progress Series, 2009, 382, 221-224.	0.9	10
42	Historic developments in macrozoobenthos of the Rhineâ€“Meuse estuary: From a tidal inlet to a freshwater lake. Estuarine, Coastal and Shelf Science, 2008, 76, 95-110.	0.9	10
43	Growth and longevity ofMytilus edulis(L.) from northeast Europe. Marine Biology Research, 2007, 3, 155-167.	0.3	37
44	Differential cold-shock resistance among acclimated European mussel populations. Marine and Freshwater Behaviour and Physiology, 2007, 40, 233-245.	0.4	9
45	Metal sources to the Baltic clam Macoma balthica (Mollusca: Bivalvia) in the southern Baltic Sea (the) Tj ETQq1 1 0.784314 rgBT /Ove	1.1	19
46	Macoma balthica in Spain, a few decades back in climate history. Journal of Experimental Marine Biology and Ecology, 2007, 344, 161-169.	0.7	28
47	Geographic and seasonal patterns and limits on the adaptive response to temperature of European Mytilus spp. and Macoma balthica populations. Oecologia, 2007, 154, 23-34.	0.9	89
48	A comparative assessment of heavy metal accumulation in soft parts and byssus of mussels from subarctic, temperate, subtropical and tropical marine environments. Environmental Pollution, 2006, 139, 70-78.	3.7	48
49	Abnormal features of Macoma balthica (Bivalvia) in the Baltic Sea: alerting symptoms of environmental adversity?. Marine Pollution Bulletin, 2004, 49, 17-22.	2.3	29
50	Genetic diversity of European populations of the invasive soft-shell clam Mya arenaria (Bivalvia). Journal of the Marine Biological Association of the United Kingdom, 2004, 84, 1051-1056.	0.4	17
51	Geographical patterns of dominant bivalves and a polychaete in Europe: no metapopulations in the marine coastal zone?. Helgoland Marine Research, 2003, 56, 247-251.	1.3	9
52	Free amino acids in the clam Macoma balthica L. (Bivalvia, Mollusca) from brackish waters of the southern Baltic Sea. Comparative Biochemistry and Physiology Part A, Molecular & Integrative Physiology, 2003, 134, 579-592.	0.8	34
53	Genetic traits in the bivalve Mytilus from Europe, with an emphasis on Arctic populations. Polar Biology, 2001, 24, 44-52.	0.5	28
54	Distribution of Dissolved and Labile Particulate Trace Metals in the Overlying Bottom Water in the Vistula River Plume (Southern Baltic Sea). Marine Pollution Bulletin, 2001, 42, 967-980.	2.3	27

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55	Trace metals in suspended particulate matter and sediments from the Severnaya Dvina estuary, Russian Arctic. Polar Record, 2001, 37, 249-256.	0.4	16
56	Ecophysiological and Genetic Traits of the Baltic ClamMacoma balthica in the Baltic: Differences between Populations in the Gdansk Bay Due to Acclimatization or Genetic Adaptation?. International Review of Hydrobiology, 2000, 85, 621-637.	0.5	24
57	The respiratory performance and survival of the bivalve Macoma balthica (L.) at the southern limit of its distribution area: a translocation experiment. Journal of Experimental Marine Biology and Ecology, 2000, 251, 85-102.	0.7	32
58	Vertical gradients for particulate Cu fractions in estuarine water over tidal flats. , 1999, 405, 149-161.		1
59	Physiological responses of Macoma balthica to copper pollution in the Baltic. Oceanologica Acta: European Journal of Oceanology - Revue Europeene De Oceanologie, 1999, 22, 431-439.	0.7	25
60	Growth in the bivalve Macoma balthica from its northern to its southern distribution limit: a discontinuity in North Europe because of genetic adaptations in Arctic populations?. Comparative Biochemistry and Physiology Part A, Molecular & Integrative Physiology, 1998, 120, 133-141.	0.8	12
61	Trace Metals and Variations of Antioxidant Enzymes in Arctic Bivalve Populations. Archives of Environmental Contamination and Toxicology, 1998, 35, 594-601.	2.1	57
62	Variation in genetic traits of the Baltic clam Macoma balthica from a tidal gradient in the subarctic. Polar Biology, 1998, 19, 342-347.	0.5	7
63	Relations between free copper and salinity, dissolved and particulate organic carbon in the Oosterschelde and Westerschelde, Netherlands. Journal of Sea Research, 1998, 40, 193-203.	0.6	29
64	Title is missing!. Hydrobiologia, 1998, 373/374, 297-310.	1.0	3
65	Metallothioneins in Arctic Bivalves. Ecotoxicology and Environmental Safety, 1998, 41, 96-102.	2.9	47
66	Influence of the level of oxygenation in sediment and water on copper bioavailability to marine bivalves: laboratory experiments and translocation experiments in the field. , 1998, , 297-310.		0
67	A comparative study on the relation between copper and condition in marine bivalves and the relation with copper in the sediment. Aquatic Toxicology, 1997, 38, 165-181.	1.9	44
68	Title is missing!. Hydrobiologia, 1997, 355, 127-138.	1.0	27
69	Sensitivity to stress in the bivalve Macoma balthica from the most northern (Arctic) to the most southern (French) populations: low sensitivity in Arctic populations because of genetic adaptations?. , 1997, , 127-138.		8
70	Variation in genetic traits of the lugworm Arenicola marina:temperature related expression of mitochondrial allozymes?. Marine Ecology - Progress Series, 1997, 159, 189-195.	0.9	24
71	The effect of polluted sediment on the gonadal development and embryogenesis of bivalves. Science of the Total Environment, 1996, 187, 231-236.	3.9	12
72	Free amino acids as a biochemical indicator of stress in the estuarine bivalve Macoma balthica. Science of the Total Environment, 1996, 188, 233-241.	3.9	18

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73	Sensitivity to stress of the estuarine bivalve Macoma balthica from areas between the Netherlands and its southern limits (Gironde). Journal of Sea Research, 1996, 35, 315-321.	0.6	24
74	Comparison of Chemical Speciation of Copper in the Oosterschelde and Westerschelde Estuaries, The Netherlands. Estuarine, Coastal and Shelf Science, 1996, 42, 629-643.	0.9	44
75	Uniform variation in genetic traits of a marine bivalve related to starvation, pollution and geographic clines. Journal of Experimental Marine Biology and Ecology, 1995, 191, 133-150.	0.7	38
76	Response of the blue mussel Mytilus edulis L. following exposure to PAHs or contaminated sediment. Marine Environmental Research, 1995, 39, 169-173.	1.1	56
77	The effects of prolonged emersion and submersion by tidal manipulation on marine macrobenthos. Hydrobiologia, 1994, 282-283, 219-234.	1.0	15
78	Genetic variability and relationships for populations of Cerastoderma edule and of the C. Glaucum complex. Journal of Sea Research, 1994, 33, 81-89.	1.0	35
79	Evaluation of free amino acids as a biochemical indicator of metal pollution. Marine Environmental Research, 1994, 38, 303-312.	1.1	7
80	â€œSurvival in airâ€•of the blue mussel Mytilus edulis L. as a sensitive response to pollution-induced environmental stress. Journal of Experimental Marine Biology and Ecology, 1993, 170, 179-195.	0.7	57
81	The Reproduction of the Anemone Sagartia troglodytes (PRICE): No Influence of Tidal Manipulation. Marine Ecology, 1991, 12, 35-40.	0.4	1
82	Spatial and seasonal differences in the PCB content of the mussel Mytilus edulis. Science of the Total Environment, 1990, 92, 155-163.	3.9	42
83	The glycogen content in stressed marine bivalves: The initial absence of a decrease. Comparative Biochemistry and Physiology Part B: Comparative Biochemistry, 1989, 94, 729-733.	0.2	22
84	Free amino acid concentrations in Mytilus edulis L. From different locations in the southwestern part of the netherlands: Their possible significance as a biochemical stress indicator. Comparative Biochemistry and Physiology A, Comparative Physiology, 1989, 93, 413-417.	0.7	11
85	Expected effects of the use of the Oosterschelde storm surge barrier on the survival of the intertidal fauna: Part 1â€”The effects of prolonged emersion. Marine Environmental Research, 1989, 27, 215-227.	1.1	7
86	Expected effects of the use of the Oosterschelde storm surge barrier on the survival of the intertidal fauna: Part 2â€”The effects of protracted tidal cycles. Marine Environmental Research, 1989, 27, 229-239.	1.1	6
87	Relationship between PCB concentrations and reproduction in mussels mytilus edulis. Marine Environmental Research, 1989, 28, 489-493.	1.1	31
88	Seasonal and tidal changes in the length of the crystalline style intertidally living Macoma balthica (Mollusca, Bivalvia). Marine Biology, 1988, 98, 529-534.	0.7	4
89	Mortality of intertidal benthic animals after a period of prolonged emersion. Journal of Experimental Marine Biology and Ecology, 1988, 121, 247-254.	0.7	14
90	Bacterial growth of the marine sponge Halichondria panicea induced by reduced waterflow rate. Marine Ecology - Progress Series, 1988, 42, 195-198.	0.9	33

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91	The effects of extended periods of drainage and submersion on condition and mortality of benthic animals. Journal of Experimental Marine Biology and Ecology, 1986, 103, 251-266.	0.7	14
92	Effects on the benthic fauna of embanking an intertidal flat area (the Markiezaat, Eastern Scheldt) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50	1.0	9
93	Food intake of Macoma balthica (mollusca) in relation to seasonal changes in its potential food on a tidal flat in the Dutch Wadden Sea. Journal of Sea Research, 1985, 19, 52-76.	1.0	120
94	Food intake and growth in Macoma balthica (mollusca) in the laboratory. Journal of Sea Research, 1985, 19, 77-83.	1.0	26
95	An energy budget for a Macoma balthica (mollusca) population living on a tidal flat in the Dutch Wadden Sea. Journal of Sea Research, 1985, 19, 84-92.	1.0	35