

# Michael W Hart

## List of Publications by Citations

**Source:** <https://exaly.com/author-pdf/7186939/michael-w-hart-publications-by-citations.pdf>

**Version:** 2024-04-28

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

49  
papers

1,527  
citations

20  
h-index

38  
g-index

52  
ext. papers

1,665  
ext. citations

4  
avg, IF

4.86  
L-index

#	Paper	IF	Citations
49	Things fall apart: biological species form unconnected parsimony networks. <i>Biology Letters</i> , <b>2007</b> , 3, 509-512	3.8	222
48	The complex analytical landscape of gene flow inference. <i>Trends in Ecology and Evolution</i> , <b>2011</b> , 26, 448-56.9	56.9	164
47	MOLECULAR PHYLOGENETIC ANALYSIS OF LIFE-HISTORY EVOLUTION IN ASTERINID STARFISH. <i>Evolution; International Journal of Organic Evolution</i> , <b>1997</b> , 51, 1848-1861	3.8	158
46	Regeneration from Injury and Resource Allocation in Sponges and Corals: A Review. <i>International Review of Hydrobiology</i> , <b>2005</b> , 90, 125-158	2.3	143
45	Mate selection and the evolution of highly polymorphic self/nonself recognition genes. <i>Science</i> , <b>2000</b> , 289, 2111-4	33.3	105
44	Molecular Phylogenetic Analysis of Life-History Evolution in Asterinid Starfish. <i>Evolution; International Journal of Organic Evolution</i> , <b>1997</b> , 51, 1848	3.8	65
43	Discordant distribution of populations and genetic variation in a sea star with high dispersal potential. <i>Evolution; International Journal of Organic Evolution</i> , <b>2009</b> , 63, 3214-27	3.8	48
42	Reproduction and larval morphology of broadcasting and viviparous species in the Cryptasterina species complex. <i>Biological Bulletin</i> , <b>2003</b> , 205, 285-94	1.5	48
41	It's all about time: divergence, demography, and the evolution of developmental modes in marine invertebrates. <i>Integrative and Comparative Biology</i> , <b>2010</b> , 50, 643-61	2.8	47
40	Divergence genetics analysis reveals historical population genetic processes leading to contrasting phylogeographic patterns in co-distributed species. <i>Molecular Ecology</i> , <b>2010</b> , 19, 5043-60	5.7	44
39	Extraordinarily rapid life-history divergence between Cryptasterina sea star species. <i>Proceedings of the Royal Society B: Biological Sciences</i> , <b>2012</b> , 279, 3914-22	4.4	41
38	Life history evolution and comparative developmental biology of echinoderms. <i>Evolution &amp; Development</i> , <b>2002</b> , 4, 62-71	2.6	32
37	Patiriella pseudoexigua (Asteroidea: Asterinidae): a cryptic species complex revealed by molecular and embryological analyses. <i>Journal of the Marine Biological Association of the United Kingdom</i> , <b>2003</b> , 83, 1109-1116	1.1	29
36	Mitochondrial DNA phylogeny and rates of larval evolution in Macrophiolithrix brittlestars. <i>Molecular Phylogenetics and Evolution</i> , <b>2005</b> , 34, 438-47	4.1	28
35	Incipient speciation of sea star populations by adaptive gamete recognition coevolution. <i>Evolution; International Journal of Organic Evolution</i> , <b>2014</b> , 68, 1294-305	3.8	25
34	Retrospective coalescent methods and the reconstruction of metapopulation histories in the sea. <i>Evolutionary Ecology</i> , <b>2012</b> , 26, 291-315	1.8	25
33	Morphological and phylogenetic evidence for hybridization and introgression in a sea star secondary contact zone. <i>Invertebrate Biology</i> , <b>2007</b> , 126, 373-384	1	24

32	The species concept as an emergent property of population biology. <i>Evolution; International Journal of Organic Evolution</i> , <b>2011</b> , 65, 613-6	3.8	23
31	Introgression versus immigration in hybridizing high-dispersal echinoderms. <i>Evolution; International Journal of Organic Evolution</i> , <b>2007</b> , 61, 2410-8	3.8	22
30	Spatial and temporal genetic homogeneity in the Arctic surfclam ( <i>Mactromeris polynyma</i> ). <i>Marine Biology</i> , <b>2007</b> , 152, 569-579	2.5	22
29	Structure and evolution of the sea star egg receptor for sperm bindin. <i>Molecular Ecology</i> , <b>2013</b> , 22, 2143-56	5.6	19
28	Sea star populations diverge by positive selection at a sperm-egg compatibility locus. <i>Ecology and Evolution</i> , <b>2013</b> , 3, 640-54	2.8	17
27	Bindin from a sea star. <i>Evolution &amp; Development</i> , <b>2009</b> , 11, 376-81	2.6	17
26	Caterpillars did not evolve from onychophorans by hybridogenesis. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2009</b> , 106, 19906-9	11.5	16
25	Strong character incongruence and character choice in phylogeny of sea stars of the Asterinidae. <i>Invertebrate Biology</i> , <b>2005</b> , 123, 343-356	1	14
24	Selection and demographic history shape the molecular evolution of the gamete compatibility protein bindin in <i>Pisaster</i> sea stars. <i>Ecology and Evolution</i> , <b>2014</b> , 4, 1567-88	2.8	13
23	Life-history predicts past and present population connectivity in two sympatric sea stars. <i>Ecology and Evolution</i> , <b>2017</b> , 7, 3916-3930	2.8	12
22	Shallow gene pools in the high intertidal: extreme loss of genetic diversity in viviparous sea stars ( <i>Parvulastra</i> ). <i>Biology Letters</i> , <b>2013</b> , 9, 20130551	3.6	11
21	Something for nothing? Reconstruction of ancestral character states in asterinid sea star development. <i>Evolution &amp; Development</i> , <b>2008</b> , 10, 62-73	2.6	11
20	Highly expressed genes in gonads of the bat star <i>Patiria miniata</i> : gene ontology, expression differences, and gamete recognition loci. <i>Invertebrate Biology</i> , <b>2013</b> , 132, 241-250	1	10
19	Molecular phylogeny of echinometrid sea urchins: more species of <i>Heliocidaris</i> with derived modes of reproduction. <i>Invertebrate Biology</i> , <b>2011</b> , 130, 175-185	1	10
18	Discovery and cross-amplification of microsatellite polymorphisms in asterinid sea stars. <i>Biological Bulletin</i> , <b>2008</b> , 215, 164-72	1.5	10
17	Positive selection on human gamete-recognition genes. <i>PeerJ</i> , <b>2018</b> , 6, e4259	3.1	9
16	Sperm Bindin Divergence under Sexual Selection and Concerted Evolution in Sea Stars. <i>Molecular Biology and Evolution</i> , <b>2016</b> , 33, 1988-2001	8.3	8
15	Next-generation studies of mating system evolution. <i>Evolution; International Journal of Organic Evolution</i> , <b>2012</b> , 66, 1675-80	3.8	6

14	Low rates of bindin codon evolution in lecithotrophic Heliocidaris sea urchins. <i>Evolution; International Journal of Organic Evolution</i> , <b>2012</b> , 66, 1709-21	3.8	6
13	New sea urchin phylogeography reveals latitudinal shifts associated with speciation. <i>Molecular Ecology</i> , <b>2012</b> , 21, 26-7	5.7	4
12	Testing Cold Fusion of Phyla: Maternity in a Tunicate x Sea Urchin Hybrid Determined From DNA Comparisons. <i>Evolution; International Journal of Organic Evolution</i> , <b>1996</b> , 50, 1713	3.8	4
11	Nonspecific expression of fertilization genes in the crown-of-thorns Acanthaster cf. solaris: Unexpected evidence of hermaphroditism in a coral reef predator. <i>Molecular Ecology</i> , <b>2020</b> , 29, 363-379	5.7	4
10	Models of selection, isolation, and gene flow in speciation. <i>Biological Bulletin</i> , <b>2014</b> , 227, 133-45	1.5	2
9	Allelic inheritance in naturally occurring parthenogenetic offspring of the gonochoric sea star <i>Patiria miniata</i> . <i>Invertebrate Biology</i> , <b>2009</b> , 128, 276-282	1	2
8	TESTING COLD FUSION OF PHYLA: MATERNITY IN A TUNICATE X SEA URCHIN HYBRID DETERMINED FROM DNA COMPARISONS. <i>Evolution; International Journal of Organic Evolution</i> , <b>1996</b> , 50, 1713-1718	3.8	2
7	Cloning and Selfing Affect Population Genetic Variation in Simulations of Outcrossing, Sexual Sea Stars.. <i>Biological Bulletin</i> , <b>2021</b> , 241, 286-302	1.5	2
6	Molecular evolution of mammalian genes with epistatic interactions in fertilization. <i>BMC Evolutionary Biology</i> , <b>2019</b> , 19, 154	3	1
5	Isolation and characterization of new microsatellite markers in the surfclam <i>Mactromeris polynyma</i> . <i>Molecular Ecology Notes</i> , <b>2005</b> , 5, 218-219		1
4	Selection on genes associated with the evolution of divergent life histories: Gamete recognition or something else?. <i>Evolution &amp; Development</i> , <b>2021</b> , 23, 423-438	2.6	0
3	Finding genes and lineages under selection in speciation. <i>Molecular Ecology</i> , <b>2017</b> , 26, 3587-3590	5.7	
2	Introduction to the symposium: larval forms. <i>Integrative and Comparative Biology</i> , <b>2010</b> , 50, 536-8	2.8	
1	Body size variation in the sexually dimorphic scaphopod <i>Rhabdus rectius</i> (Carpenter, 1864) (Dentaliida: Rhabdidae). <i>Molluscan Research</i> , <b>2019</b> , 39, 205-213	0.6	