

# Michael W Hart

## List of Publications by Year in Descending Order

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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	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
48	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
47	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
46	Molecular evolution of mammalian genes with epistatic interactions in fertilization. <i>BMC Evolutionary Biology</i> , <b>2019</b> , 19, 154	3	1
45	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	
44	Positive selection on human gamete-recognition genes. <i>PeerJ</i> , <b>2018</b> , 6, e4259	3.1	9
43	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
42	Finding genes and lineages under selection in speciation. <i>Molecular Ecology</i> , <b>2017</b> , 26, 3587-3590	5.7	
41	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
40	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
39	Models of selection, isolation, and gene flow in speciation. <i>Biological Bulletin</i> , <b>2014</b> , 227, 133-45	1.5	2
38	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
37	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
36	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
35	Shallow gene pools in the high intertidal: extreme loss of genetic diversity in viviparous sea stars (Parvulastra). <i>Biology Letters</i> , <b>2013</b> , 9, 20130551	3.6	11
34	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
33	Next-generation studies of mating system evolution. <i>Evolution; International Journal of Organic Evolution</i> , <b>2012</b> , 66, 1675-80	3.8	6

32	Low rates of bindin codon evolution in lecithotrophic <i>Heliocidaris</i> sea urchins. <i>Evolution; International Journal of Organic Evolution</i> , <b>2012</b> , 66, 1709-21	3.8	6
31	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
30	Extraordinarily rapid life-history divergence between <i>Cryptasterina</i> sea star species. <i>Proceedings of the Royal Society B: Biological Sciences</i> , <b>2012</b> , 279, 3914-22	4.4	41
29	New sea urchin phylogeography reveals latitudinal shifts associated with speciation. <i>Molecular Ecology</i> , <b>2012</b> , 21, 26-7	5.7	4
28	The complex analytical landscape of gene flow inference. <i>Trends in Ecology and Evolution</i> , <b>2011</b> , 26, 448-56.9		164
27	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
26	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
25	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
24	Introduction to the symposium: larval forms. <i>Integrative and Comparative Biology</i> , <b>2010</b> , 50, 536-8	2.8	
23	It's 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
22	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
21	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
20	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
19	Bindin from a sea star. <i>Evolution &amp; Development</i> , <b>2009</b> , 11, 376-81	2.6	17
18	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
17	Discovery and cross-amplification of microsatellite polymorphisms in asterinid sea stars. <i>Biological Bulletin</i> , <b>2008</b> , 215, 164-72	1.5	10
16	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
15	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

14	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
13	Things fall apart: biological species form unconnected parsimony networks. <i>Biology Letters</i> , <b>2007</b> , 3, 509-512	3.1	222
12	Mitochondrial DNA phylogeny and rates of larval evolution in Macrophiiothrix brittlestars. <i>Molecular Phylogenetics and Evolution</i> , <b>2005</b> , 34, 438-47	4.1	28
11	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
10	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
9	Regeneration from Injury and Resource Allocation in Sponges and Corals $\square$ Review. <i>International Review of Hydrobiology</i> , <b>2005</b> , 90, 125-158	2.3	143
8	<i>Patiriella pseudoexigua</i> (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
7	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
6	Life history evolution and comparative developmental biology of echinoderms. <i>Evolution &amp; Development</i> , <b>2002</b> , 4, 62-71	2.6	32
5	Mate selection and the evolution of highly polymorphic self/nonsel self recognition genes. <i>Science</i> , <b>2000</b> , 289, 2111-4	33.3	105
4	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
3	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
2	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
1	TESTING COLD FUSION OF PHYLA: MATERNITY IN A TUNICATE $\square$ SEA URCHIN HYBRID DETERMINED FROM DNA COMPARISONS. <i>Evolution; International Journal of Organic Evolution</i> , <b>1996</b> , 50, 1713-1718	3.8	2