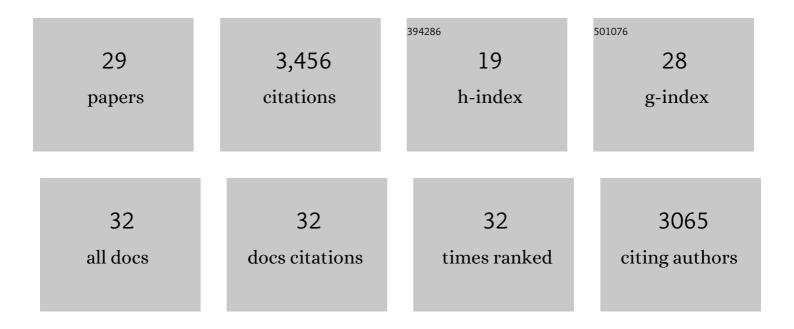
Willie J Swanson

List of Publications by Year in descending order

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WILLIE L SWANSON

#	Article	IF	CITATIONS
1	The rapid evolution of reproductive proteins. Nature Reviews Genetics, 2002, 3, 137-144.	7.7	1,177
2	Pervasive Adaptive Evolution in Mammalian Fertilization Proteins. Molecular Biology and Evolution, 2003, 20, 18-20.	3.5	427
3	Evolution of reproductive proteins from animals and plants. Reproduction, 2006, 131, 11-22.	1.1	319
4	Maximum-Likelihood Analysis of Molecular Adaptation in Abalone Sperm Lysin Reveals Variable Selective Pressures Among Lineages and Sites. Molecular Biology and Evolution, 2000, 17, 1446-1455.	3.5	224
5	Pervasive Adaptive Evolution in Primate Seminal Proteins. PLoS Genetics, 2005, 1, e35.	1.5	155
6	Positive selection in the egg receptor for abalone sperm lysin. Proceedings of the National Academy of Sciences of the United States of America, 2003, 100, 4639-4643.	3.3	145
7	Coevolution of Interacting Fertilization Proteins. PLoS Genetics, 2009, 5, e1000570.	1.5	125
8	Rapid evolution of reproductive proteins in abalone and Drosophila. Philosophical Transactions of the Royal Society B: Biological Sciences, 2006, 361, 261-268.	1.8	112
9	From molecules to mating: Rapid evolution and biochemical studies of reproductive proteins. Journal of Proteomics, 2016, 135, 12-25.	1.2	101
10	Selection in the Rapid Evolution of Gamete Recognition Proteins in Marine Invertebrates. Cold Spring Harbor Perspectives in Biology, 2011, 3, a002931-a002931.	2.3	98
11	Polymorphism in Abalone Fertilization Proteins Is Consistent with the Neutral Evolution of the Egg's Receptor for Lysin (VERL) and Positive Darwinian Selection of Sperm Lysin. Molecular Biology and Evolution, 2001, 18, 376-383.	3.5	83
12	Full-length sequence of VERL, the egg vitelline envelope receptor for abalone sperm lysin. Gene, 2002, 288, 111-117.	1.0	66
13	ZP Domain Proteins in the Abalone Egg Coat Include a Paralog of VERL under Positive Selection That Binds Lysin and 18-kDa Sperm Proteins. Molecular Biology and Evolution, 2010, 27, 193-203.	3.5	56
14	Evidence of Amino Acid Diversity–Enhancing Selection within Humans and among Primates at the Candidate Sperm-Receptor Gene PKDREJ. American Journal of Human Genetics, 2007, 81, 44-52.	2.6	48
15	Positive Selection in the Carbohydrate Recognition Domains of Sea Urchin Sperm Receptor for Egg Jelly (suREJ) Proteins. Molecular Biology and Evolution, 2005, 22, 533-541.	3.5	45
16	The Molecular Basis of Sex: Linking Yeast to Human. Molecular Biology and Evolution, 2011, 28, 1963-1966.	3.5	41
17	Liposome Fusion Induced by a Mr 18 000 Protein Localized to the Acrosomal Region of Acrosome-Reacted Abalone Spermatozoa. Biochemistry, 1995, 34, 14202-14208.	1.2	40
18	Detecting Coevolution through Allelic Association between Physically Unlinked Loci. American Journal of Human Genetics, 2010, 86, 674-685.	2.6	34

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#	Article	IF	CITATIONS
19	Detecting coevolution in mammalian sperm–egg fusion proteins. Molecular Reproduction and Development, 2014, 81, 531-538.	1.0	29
20	Mass spectrometry and nextâ€generation sequencing reveal an abundant and rapidly evolving abalone sperm protein. Molecular Reproduction and Development, 2013, 80, 460-465.	1.0	24
21	The "ZP domain―is not one, but likely two independent domains. Molecular Reproduction and Development, 2017, 84, 284-285.	1.0	24
22	Duplicate Abalone Egg Coat Proteins Bind Sperm Lysin Similarly, but Evolve Oppositely, Consistent with Molecular Mimicry at Fertilization. PLoS Genetics, 2013, 9, e1003287.	1.5	19
23	Egg Coat Proteins Across Metazoan Evolution. Current Topics in Developmental Biology, 2018, 130, 443-488.	1.0	19
24	Molecular mechanisms and evolution of fertilization proteins. Journal of Experimental Zoology Part B: Molecular and Developmental Evolution, 2021, 336, 652-665.	0.6	18
25	Solution structure of sperm lysin yields novel insights into molecular dynamics of rapid protein evolution. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, 1310-1315.	3.3	14
26	Indirect sexual selection drives rapid sperm protein evolution in abalone. ELife, 2019, 8, .	2.8	7
27	Proteomics support the threespine stickleback egg coat as a protective oocyte envelope. Molecular Reproduction and Development, 2021, 88, 500-515.	1.0	3
28	Domain Expansion and Functional Diversification in Vertebrate Reproductive Proteins. Molecular Biology and Evolution, 2022, 39, .	3.5	1
29	A conversation with Mariana Wolfner, newly inducted member of the National Academy of Sciences. Molecular Reproduction and Development, 2020, 87, 3-6.	1.0	0