

# Stevan J Arnold

## 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.

54 papers	12,707 citations	40 h-index	59 g-index
59 ext. papers	13,518 ext. citations	3.7 avg, IF	6.39 L-index

#	Paper	IF	Citations
54	Correlational selection in the age of genomics. <i>Nature Ecology and Evolution</i> , <b>2021</b> , 5, 562-573	12.3	7
53	The Effects of Epistasis and Pleiotropy on Genome-Wide Scans for Adaptive Outlier Loci. <i>Journal of Heredity</i> , <b>2019</b> , 110, 494-513	2.4	2
52	Bite performance surfaces of three ecologically divergent Iguanidae lizards: relationships with lower jaw bones. <i>Biological Journal of the Linnean Society</i> , <b>2019</b> , 127, 810-825	1.9	3
51	The G-matrix Simulator Family: Software for Research and Teaching. <i>Journal of Heredity</i> , <b>2018</b> , 109, 825-829		
50	Gene Duplication, Co-option, Structural Evolution, and Phenotypic Tango in the Courtship Pheromones of Plethodontid Salamanders. <i>Herpetologica</i> , <b>2017</b> , 73, 206-219	1.9	13
49	The Evolution of Courtship Behavior in Plethodontid Salamanders, Contrasting Patterns of Stasis and Diversification. <i>Herpetologica</i> , <b>2017</b> , 73, 190	1.9	11
48	Epistasis and natural selection shape the mutational architecture of complex traits. <i>Nature Communications</i> , <b>2014</b> , 5, 3709	17.4	58
47	Phenotypic evolution: the ongoing synthesis (American Society of Naturalists address). <i>American Naturalist</i> , <b>2014</b> , 183, 729-46	3.7	45
46	Patterns of sperm use in two populations of Red-sided Garter Snake ( <i>Thamnophis sirtalis parietalis</i> ) with long-term female sperm storage. <i>Canadian Journal of Zoology</i> , <b>2014</b> , 92, 33-40	1.5	24
45	Sexual Behavior, Sexual Interference and Sexual Defense in the Salamanders <i>Ambystoma maculatum</i> , <i>Ambystoma tigrinum</i> and <i>Plethodon jordani</i> . <i>Zeitschrift für Tierpsychologie</i> , <b>2010</b> , 42, 247-300		156
44	Understanding the evolution and stability of the G-matrix. <i>Evolution; International Journal of Organic Evolution</i> , <b>2008</b> , 62, 2451-61	3.8	263
43	Molecular parentage analysis in experimental newt populations: the response of mating system measures to variation in the operational sex ratio. <i>American Naturalist</i> , <b>2004</b> , 164, 444-56	3.7	61
42	Novel tetranucleotide microsatellite markers from the Del Norte salamander ( <i>Plethodon elongatus</i> ) with application to its sister species the Siskiyou Mountain salamander ( <i>P. stormi</i> ). <i>Molecular Ecology Notes</i> , <b>2004</b> , 4, 352-354		
41	Quantitative genetic models of sexual selection. <i>Trends in Ecology and Evolution</i> , <b>2004</b> , 19, 264-71	10.9	196
40	Performance surfaces and adaptive landscapes. <i>Integrative and Comparative Biology</i> , <b>2003</b> , 43, 367-75	2.8	93
39	A model for optimal reaction norms: the case of the pregnant garter snake and her temperature-sensitive embryos. <i>American Naturalist</i> , <b>2002</b> , 160, 306-16	3.7	65
38	Validation of Bateman's principles: a genetic study of sexual selection and mating patterns in the rough-skinned newt. <i>Proceedings of the Royal Society B: Biological Sciences</i> , <b>2002</b> , 269, 2533-9	4.4	95

37	Genetic variation in two populations of the rough-skinned newt ( <i>Taricha granulosa</i> ) assessed using novel tetranucleotide microsatellite loci. <i>Molecular Ecology Notes</i> , <b>2001</b> , 1, 293-296		11
36	The adaptive landscape as a conceptual bridge between micro- and macroevolution. <i>Genetica</i> , <b>2001</b> , 112/113, 9-32	1.5	363
35	The Bateman gradient and the cause of sexual selection in a sex-role-reversed pipefish. <i>Proceedings of the Royal Society B: Biological Sciences</i> , <b>2000</b> , 267, 677-80	4.4	148
34	Mass-rearing of plethodontid salamander eggs. <i>Amphibia - Reptilia</i> , <b>1999</b> , 20, 219-224	1.2	4
33	THE EVOLUTIONARY ECOLOGY OF LIFE HISTORY VARIATION IN THE GARTER SNAKE THAMNOPHIS ELEGANS. <i>Ecology</i> , <b>1999</b> , 80, 2314-2325	4.6	118
32	HIERARCHICAL COMPARISON OF GENETIC VARIANCE-COVARIANCE MATRICES. I. USING THE FLURY HIERARCHY. <i>Evolution; International Journal of Organic Evolution</i> , <b>1999</b> , 53, 1506-1515	3.8	292
31	HIERARCHICAL COMPARISON OF GENETIC VARIANCE-COVARIANCE MATRICES. II COASTAL-INLAND DIVERGENCE IN THE GARTER SNAKE, THAMNOPHIS ELEGANS. <i>Evolution; International Journal of Organic Evolution</i> , <b>1999</b> , 53, 1516-1527	3.8	90
30	THE EVOLUTION OF ASYMMETRY IN SEXUAL ISOLATION: A MODEL AND A TEST CASE. <i>Evolution; International Journal of Organic Evolution</i> , <b>1996</b> , 50, 1024-1033	3.8	114
29	Measuring the Effects of Pairing Success, Extra-Pair Copulations and Mate Quality on the Opportunity for Sexual Selection. <i>Evolution; International Journal of Organic Evolution</i> , <b>1995</b> , 49, 1147	3.8	87
28	Behavioural variation in natural populations. VII. Maternal body temperature does not affect juvenile thermoregulation in a garter snake. <i>Animal Behaviour</i> , <b>1995</b> , 50, 623-633	2.8	20
27	MEASURING THE EFFECTS OF PAIRING SUCCESS, EXTRA-PAIR COPULATIONS AND MATE QUALITY ON THE OPPORTUNITY FOR SEXUAL SELECTION. <i>Evolution; International Journal of Organic Evolution</i> , <b>1995</b> , 49, 1147-1157	3.8	198
26	Animal Mating Systems: A Synthesis Based on Selection Theory. <i>American Naturalist</i> , <b>1994</b> , 143, 317-348	3.7	354
25	Bateman's Principles and the Measurement of Sexual Selection in Plants and Animals. <i>American Naturalist</i> , <b>1994</b> , 144, S126-S149	3.7	206
24	Is there a Unifying Concept of Sexual Selection that Applies to Both Plants and Animals?. <i>American Naturalist</i> , <b>1994</b> , 144, S1-S12	3.7	76
23	Multiple mating by females: the design and interpretation of selectoon experiments. <i>Animal Behaviour</i> , <b>1992</b> , 43, 178-179	2.8	19
22	THE DARWIN-FISHER THEORY OF SEXUAL SELECTION IN MONOGAMOUS BIRDS. <i>Evolution; International Journal of Organic Evolution</i> , <b>1990</b> , 44, 180-193	3.8	169
21	Hot Rocks and Not-So-Hot Rocks: Retreat-Site Selection by Garter Snakes and Its Thermal Consequences. <i>Ecology</i> , <b>1989</b> , 70, 931-944	4.6	278
20	VISUALIZING MULTIVARIATE SELECTION. <i>Evolution; International Journal of Organic Evolution</i> , <b>1989</b> , 43, 1209-1222	3.8	469

19	BEHAVIORAL OBSERVATIONS OF SEXUAL ISOLATION AMONG ALLOPATRIC POPULATIONS OF THE MOUNTAIN DUSKY SALAMANDER, DESMOGNATHUS OCHROPHAEUS. <i>Evolution; International Journal of Organic Evolution</i> , <b>1989</b> , 43, 745-755	3.8	51
18	Behavioural variation in natural populations. V. Morphological correlates of locomotion in the garter snake ( <i>Thamnophis radix</i> ). <i>Biological Journal of the Linnean Society</i> , <b>1988</b> , 34, 175-190	1.9	80
17	Multiple mating: Natural selection is not evolution. <i>Animal Behaviour</i> , <b>1988</b> , 36, 1547-1548	2.8	25
16	Multiple mating by females: a perspective from quantitative genetics. <i>Animal Behaviour</i> , <b>1987</b> , 35, 939-948	4.1	223
15	Limits on Stabilizing, Disruptive, and Correlational Selection Set by the Opportunity for Selection. <i>American Naturalist</i> , <b>1986</b> , 128, 143-146	3.7	44
14	A STATISTICAL STUDY OF MATE CHOICE: SEXUAL SELECTION IN A PLETHODONTID SALAMANDER (DESMOGNATHUS OCHROPHAEUS). <i>Evolution; International Journal of Organic Evolution</i> , <b>1985</b> , 39, 370-386	3.8	68
13	Evolution of mating preference and sexual dimorphism. <i>Journal of Theoretical Biology</i> , <b>1985</b> , 117, 651-662	4.3	131
12	A Statistical Study of Mate Choice: Sexual Selection in a Plethodontid Salamander ( <i>Desmognathus ochrophaeus</i> ). <i>Evolution; International Journal of Organic Evolution</i> , <b>1985</b> , 39, 370	3.8	31
11	On the Measurement of Natural and Sexual Selection: Applications. <i>Evolution; International Journal of Organic Evolution</i> , <b>1984</b> , 38, 720	3.8	220
10	Behavioural variation in natural populations. III: Antipredator displays in the garter snake <i>Thamnophis radix</i> . <i>Animal Behaviour</i> , <b>1984</b> , 32, 1108-1118	2.8	123
9	On the Measurement of Natural and Sexual Selection: Theory. <i>Evolution; International Journal of Organic Evolution</i> , <b>1984</b> , 38, 709	3.8	371
8	ON THE MEASUREMENT OF NATURAL AND SEXUAL SELECTION: THEORY. <i>Evolution; International Journal of Organic Evolution</i> , <b>1984</b> , 38, 709-719	3.8	628
7	ON THE MEASUREMENT OF NATURAL AND SEXUAL SELECTION: APPLICATIONS. <i>Evolution; International Journal of Organic Evolution</i> , <b>1984</b> , 38, 720-734	3.8	606
6	Morphology, Performance and Fitness. <i>American Zoologist</i> , <b>1983</b> , 23, 347-361		1124
5	THE MEASUREMENT OF SELECTION ON CORRELATED CHARACTERS. <i>Evolution; International Journal of Organic Evolution</i> , <b>1983</b> , 37, 1210-1226	3.8	4186
4	Anaerobic metabolism and behavior during predatory encounters between snakes ( <i>Thamnophis elegans</i> ) and salamanders ( <i>Plethodon jordani</i> ). <i>Oecologia</i> , <b>1982</b> , 53, 93-97	2.9	56
3	BEHAVIORAL VARIATION IN NATURAL POPULATIONS. I. PHENOTYPIC, GENETIC AND ENVIRONMENTAL CORRELATIONS BETWEEN CHEMORECEPTIVE RESPONSES TO PREY IN THE GARTER SNAKE, <i>THAMNOPHIS ELEGANS</i> . <i>Evolution; International Journal of Organic Evolution</i> , <b>1981</b>	3.8	169
2	BEHAVIORAL VARIATION IN NATURAL POPULATIONS. II. THE INHERITANCE OF A FEEDING RESPONSE IN CROSSES BETWEEN GEOGRAPHIC RACES OF THE GARTER SNAKE, <i>THAMNOPHIS ELEGANS</i> . <i>Evolution; International Journal of Organic Evolution</i> , <b>1981</b> , 35, 510-515	3.8	61

1	The intensity of sexual selection in relation to male sexual behaviour, female choice, and sperm precedence. <i>Animal Behaviour</i> , <b>1980</b> , 28, 446-461	2.8	402
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