

# Jason B Wolf

## List of Publications by Year in descending order

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91  
papers

6,762  
citations

81743

39  
h-index

66788

78  
g-index

93  
all docs

93  
docs citations

93  
times ranked

5252  
citing authors

#	ARTICLE	IF	CITATIONS
1	Evolutionary consequences of indirect genetic effects. <i>Trends in Ecology and Evolution</i> , 1998, 13, 64-69.	4.2	742
2	INTERACTING PHENOTYPES AND THE EVOLUTIONARY PROCESS: I. DIRECT AND INDIRECT GENETIC EFFECTS OF SOCIAL INTERACTIONS. <i>Evolution; International Journal of Organic Evolution</i> , 1997, 51, 1352-1362.	1.1	577
3	What are maternal effects (and what are they not)?. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2009, 364, 1107-1115.	1.8	422
4	Interacting Phenotypes and the Evolutionary Process. II. Selection Resulting from Social Interactions. <i>American Naturalist</i> , 1999, 153, 254-266.	1.0	339
5	Interacting Phenotypes and the Evolutionary Process: I. Direct and Indirect Genetic Effects of Social Interactions. <i>Evolution; International Journal of Organic Evolution</i> , 1997, 51, 1352.	1.1	304
6	INTERACTING PHENOTYPES AND THE EVOLUTIONARY PROCESS. III. SOCIAL EVOLUTION. <i>Evolution; International Journal of Organic Evolution</i> , 2010, 64, 2558-2574.	1.1	239
7	Genomic imprinting and parent-of-origin effects on complex traits. <i>Nature Reviews Genetics</i> , 2013, 14, 609-617.	7.7	219
8	Genetic Mosaicism in Plants and Clonal Animals. <i>Annual Review of Ecology, Evolution, and Systematics</i> , 1995, 26, 423-444.	6.7	187
9	Multilevel Selection 2: Estimating the Genetic Parameters Determining Inheritance and Response to Selection. <i>Genetics</i> , 2007, 175, 289-299.	1.2	183
10	A Maternal "Offspring Coadaptation Theory for the Evolution of Genomic Imprinting. <i>PLoS Biology</i> , 2006, 4, e380.	2.6	181
11	On the assignment of fitness to parents and offspring: whose fitness is it and when does it matter?. <i>Journal of Evolutionary Biology</i> , 2001, 14, 347-356.	0.8	168
12	Genetic architecture and evolutionary constraint when the environment contains genes. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2003, 100, 4655-4660.	3.3	150
13	THE COADAPTATION OF PARENTAL AND OFFSPRING CHARACTERS. <i>Evolution; International Journal of Organic Evolution</i> , 1998, 52, 299-308.	1.1	141
14	Maternal Effects as the Cause of Parent-of-Origin Effects That Mimic Genomic Imprinting. <i>Genetics</i> , 2008, 178, 1755-1762.	1.2	133
15	The evolution of genomic imprinting: theories, predictions and empirical tests. <i>Heredity</i> , 2014, 113, 119-128.	1.2	120
16	Genetic Tools for Studying Adaptation and the Evolution of Behavior. <i>American Naturalist</i> , 2002, 160, S143-S159.	1.0	113
17	GENE INTERACTIONS FROM MATERNAL EFFECTS. <i>Evolution; International Journal of Organic Evolution</i> , 2000, 54, 1882-1898.	1.1	102
18	GENETIC VARIATION IN PLEIOTROPY: DIFFERENTIAL EPISTASIS AS A SOURCE OF VARIATION IN THE ALLOMETRIC RELATIONSHIP BETWEEN LONG BONE LENGTHS AND BODY WEIGHT. <i>Evolution; International Journal of Organic Evolution</i> , 2007, 62, 071115145922006-???	1.1	100

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19	Genome-Wide Analysis Reveals a Complex Pattern of Genomic Imprinting in Mice. <i>PLoS Genetics</i> , 2008, 4, e1000091.	1.5	99
20	Quantification of Social Behavior in <i>D. discoideum</i> Reveals Complex Fixed and Facultative Strategies. <i>Current Biology</i> , 2009, 19, 1373-1377.	1.8	93
21	The Coadaptation of Parental and Offspring Characters. <i>Evolution; International Journal of Organic Evolution</i> , 1998, 52, 299.	1.1	79
22	Epistatic Pleiotropy and the Genetic Architecture of Covariation Within Early and Late-Developing Skull Trait Complexes in Mice. <i>Genetics</i> , 2005, 171, 683-694.	1.2	76
23	Contribution of maternal effect QTL to genetic architecture of early growth in mice. <i>Heredity</i> , 2002, 89, 300-310.	1.2	75
24	Pleiotropic Patterns of Quantitative Trait Loci for 70 Murine Skeletal Traits. <i>Genetics</i> , 2008, 178, 2275-2288.	1.2	74
25	Genomic imprinting effects on adult body composition in mice. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2008, 105, 4253-4258.	3.3	68
26	Experimental Evolution of Phenotypic Plasticity: How Predictive Are Cross-Environment Genetic Correlations?. <i>American Naturalist</i> , 2006, 168, 323-335.	1.0	64
27	Sex dependent imprinting effects on complex traits in mice. <i>BMC Evolutionary Biology</i> , 2008, 8, 303.	3.2	64
28	The Evolution Of Indicator Traits For Parental Quality: The Role Of Maternal And Paternal Effects. <i>American Naturalist</i> , 1997, 150, 639-649.	1.0	63
29	Indirect genetic effects from ecological interactions in <i>Arabidopsis thaliana</i> . <i>Molecular Ecology</i> , 2007, 16, 2371-2381.	2.0	60
30	DEVELOPMENTAL INTERACTIONS AND THE CONSTITUENTS OF QUANTITATIVE VARIATION. <i>Evolution; International Journal of Organic Evolution</i> , 2001, 55, 232-245.	1.1	59
31	The contribution of epistatic pleiotropy to the genetic architecture of covariation among polygenic traits in mice. <i>Evolution &amp; Development</i> , 2006, 8, 468-476.	1.1	55
32	A search for quantitative trait loci exhibiting imprinting effects on mouse mandible size and shape. <i>Heredity</i> , 2008, 101, 518-526.	1.2	49
33	Diet-Dependent Genetic and Genomic Imprinting Effects on Obesity in Mice. <i>Obesity</i> , 2011, 19, 160-170.	1.5	49
34	Developmental Programming Mediated by Complementary Roles of Imprinted <i>Grb10</i> in Mother and Pup. <i>PLoS Biology</i> , 2014, 12, e1001799.	2.6	49
35	Genetic Effects at Pleiotropic Loci Are Context-Dependent with Consequences for the Maintenance of Genetic Variation in Populations. <i>PLoS Genetics</i> , 2011, 7, e1002256.	1.5	47
36	Evolutionary genetics of maternal effects. <i>Evolution; International Journal of Organic Evolution</i> , 2016, 70, 827-839.	1.1	45

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37	A polychromatic "greenbeard" locus determines patterns of cooperation in a social amoeba. <i>Nature Communications</i> , 2017, 8, 14171.	5.8	44
38	Change in maternal environment induced by cross-fostering alters genetic and epigenetic effects on complex traits in mice. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2009, 276, 2949-2954.	1.2	43
39	Imprinted gene expression in hybrids: perturbed mechanisms and evolutionary implications. <i>Heredity</i> , 2014, 113, 167-175.	1.2	43
40	The role of maternal and paternal effects in the evolution of parental quality by sexual selection. <i>Journal of Evolutionary Biology</i> , 1999, 12, 1157-1167.	0.8	42
41	THE MAINTENANCE OF HERITABLE VARIATION THROUGH SOCIAL COMPETITION. <i>Evolution; International Journal of Organic Evolution</i> , 2008, 62, 337-347.	1.1	42
42	Fitness Trade-offs Result in the Illusion of Social Success. <i>Current Biology</i> , 2015, 25, 1086-1090.	1.8	41
43	CYTONUCLEAR INTERACTIONS CAN FAVOR THE EVOLUTION OF GENOMIC IMPRINTING. <i>Evolution; International Journal of Organic Evolution</i> , 2009, 63, 1364-1371.	1.1	39
44	Evolutionary rates for multivariate traits: the role of selection and genetic variation. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2014, 369, 20130252.	1.8	39
45	The importance of context to the genetic architecture of diabetes-related traits is revealed in a genome-wide scan of a LG/AA-SM/J murine model. <i>Mammalian Genome</i> , 2011, 22, 197-208.	1.0	38
46	Quantitative genetic versions of Hamilton's rule with empirical applications. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2014, 369, 20130358.	1.8	37
47	Strategic investment explains patterns of cooperation and cheating in a microbe. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018, 115, E4823-E4832.	3.3	37
48	Genomic imprinting effects on complex traits: A phenotype-based perspective. <i>Epigenetics</i> , 2008, 3, 295-299.	1.3	36
49	A Simple Mechanism for Complex Social Behavior. <i>PLoS Biology</i> , 2011, 9, e1001039.	2.6	36
50	Genetic Architecture of Adiposity and Organ Weight Using Combined Generation QTL Analysis. <i>Obesity</i> , 2008, 16, 1861-1868.	1.5	32
51	Replication of long-bone length QTL in the F9-F10 LG,SM advanced intercross. <i>Mammalian Genome</i> , 2009, 20, 224-235.	1.0	32
52	Genetic, epigenetic, and gene-by-diet interaction effects underlie variation in serum lipids in a LG/AA-SM/J murine model. <i>Journal of Lipid Research</i> , 2010, 51, 2976-2984.	2.0	32
53	Fine-mapping of Obesity-related Quantitative Trait Loci in an F <sub>9/10</sub> Advanced Intercross Line. <i>Obesity</i> , 2010, 18, 1383-1392.	1.5	30
54	The quantitative genetics of social behaviour. , 0, , 29-54.		30

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55	Evolution of genomic imprinting as a coordinator of coadapted gene expression. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, 5085-5090.	3.3	30
56	Genetic architecture of Arabidopsis thaliana response to infection by Pseudomonas syringae. Heredity, 2005, 94, 507-517.	1.2	28
57	Disentangling Prenatal and Postnatal Maternal Genetic Effects Reveals Persistent Prenatal Effects on Offspring Growth in Mice. Genetics, 2011, 189, 1069-1082.	1.2	28
58	RELATIVE CONTRIBUTION OF ADDITIVE, DOMINANCE, AND IMPRINTING EFFECTS TO PHENOTYPIC VARIATION IN BODY SIZE AND GROWTH BETWEEN DIVERGENT SELECTION LINES OF MICE. Evolution; International Journal of Organic Evolution, 2009, 63, 1118-1128.	1.1	26
59	Complex genotype interactions influence social fitness during the developmental phase of the social amoeba <i>Dictyostelium discoideum</i> . Journal of Evolutionary Biology, 2010, 23, 1664-1671.	0.8	25
60	Genetic factors and diet affect long-bone length in the F34 LG,SM advanced intercross. Mammalian Genome, 2011, 22, 178-196.	1.0	25
61	The capture of heritable variation for genetic quality through social competition. Genetica, 2008, 134, 89-97.	0.5	22
62	Functional genetics of intraspecific ecological interactions in Arabidopsis thaliana. Philosophical Transactions of the Royal Society B: Biological Sciences, 2011, 366, 1358-1367.	1.8	22
63	The Genetic Architecture of Fluctuating Asymmetry of Mandible Size and Shape in a Population of Mice: Another Look. Symmetry, 2015, 7, 146-163.	1.1	22
64	Greenbeard Genes: Theory and Reality. Trends in Ecology and Evolution, 2019, 34, 1092-1103.	4.2	21
65	Selective abortion and the evolution of genomic imprinting. Journal of Evolutionary Biology, 2009, 22, 2519-2523.	0.8	20
66	The Genetics and Evolutionary Consequences of Maternal Effects. , 0, , 11-37.		20
67	The geometry of phenotypic evolution in developmental hyperspace. Proceedings of the National Academy of Sciences of the United States of America, 2002, 99, 15849-15851.	3.3	19
68	Conditional expression explains molecular evolution of social genes in a microbe. Nature Communications, 2019, 10, 3284.	5.8	19
69	A framework for detecting and characterizing genetic background-dependent imprinting effects. Mammalian Genome, 2009, 20, 681-698.	1.0	16
70	The biology of multivariate evolution. Journal of Evolutionary Biology, 2007, 20, 24-27.	0.8	15
71	Detecting Maternal-Effect Loci by Statistical Cross-Fostering. Genetics, 2012, 191, 261-277.	1.2	15
72	Mutant resources for functional genomics in Dictyostelium discoideum using REMI-seq technology. BMC Biology, 2021, 19, 172.	1.7	15

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73	Inferring Adaptive Codon Preference to Understand Sources of Selection Shaping Codon Usage Bias. <i>Molecular Biology and Evolution</i> , 2021, 38, 3247-3266.	3.5	14
74	GENE INTERACTIONS FROM MATERNAL EFFECTS. <i>Evolution; International Journal of Organic Evolution</i> , 2000, 54, 1882.	1.1	10
75	Gene interactions in the evolution of genomic imprinting. <i>Heredity</i> , 2014, 113, 129-137.	1.2	10
76	The coadaptation theory for genomic imprinting. <i>Evolution Letters</i> , 2017, 1, 49-59.	1.6	9
77	Individual Cryptic Scaling Relationships and the Evolution of Animal Form. <i>Integrative and Comparative Biology</i> , 2019, 59, 1411-1428.	0.9	9
78	Evolutionary Quantitative Genetics of Genomic Imprinting. <i>Genetics</i> , 2019, 211, 75-88.	1.2	8
79	Mendel's laws of heredity on his 200th birthday: What have we learned by considering exceptions?. <i>Heredity</i> , 2022, 129, 1-3.	1.2	8
80	Integrating biotechnology and the behavioral sciences. <i>Trends in Ecology and Evolution</i> , 2001, 16, 117-119.	4.2	6
81	DEVELOPMENTAL INTERACTIONS AND THE CONSTITUENTS OF QUANTITATIVE VARIATION. <i>Evolution; International Journal of Organic Evolution</i> , 2001, 55, 232.	1.1	6
82	Genomic Perspective on Multivariate Variation, Pleiotropy, and Evolution. <i>Journal of Heredity</i> , 2019, 110, 479-493.	1.0	6
83	Coadaptation between Mother and Offspring: Why Not?. <i>PLoS Biology</i> , 2015, 13, e1002085.	2.6	5
84	Runaway evolution from male-male competition. <i>Ecology Letters</i> , 2022, 25, 295-306.	3.0	4
85	The genetic architecture underlying prey-dependent performance in a microbial predator. <i>Nature Communications</i> , 2022, 13, 319.	5.8	4
86	Developmental constraints enforce altruism and avert the tragedy of the commons in a social microbe. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2022, 119, .	3.3	4
87	Genotype-dependent responses to levels of sibling competition over maternal resources in mice. <i>Heredity</i> , 2012, 108, 515-520.	1.2	3
88	Evolution of strategic cooperation. <i>Evolution Letters</i> , 2020, 4, 164-175.	1.6	3
89	Genomic imprinting: theories and data. <i>Heredity</i> , 2014, 113, 93-95.	1.2	2
90	Evolutionary robustness of killer meiotic drives. <i>Evolution Letters</i> , 2021, 5, 541-550.	1.6	1

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91	The role of social effects in selection for animal improvement. Revista Brasileira De Zootecnia, 2008, 37, 137-142.	0.3	0