

# H Frederik Nijhout

## List of Publications by Year in descending order

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144  
papers

10,877  
citations

36203

51  
h-index

32761

100  
g-index

148  
all docs

148  
docs citations

148  
times ranked

7731  
citing authors

#	ARTICLE	IF	CITATIONS
1	Development and evolution of adaptive polyphenisms. <i>Evolution &amp; Development</i> , 2003, 5, 9-18.	1.1	523
2	The Development and Evolution of Exaggerated Morphologies in Insects. <i>Annual Review of Entomology</i> , 2000, 45, 661-708.	5.7	411
3	Two insulin receptors determine alternative wing morphs in planthoppers. <i>Nature</i> , 2015, 519, 464-467.	13.7	367
4	Evolution of a Polyphenism by Genetic Accommodation. <i>Science</i> , 2006, 311, 650-652.	6.0	358
5	Juvenile Hormone and the Physiological Basis of Insect Polymorphisms. <i>Quarterly Review of Biology</i> , 1982, 57, 109-133.	0.0	357
6	Control of Moulting and Metamorphosis in the Tobacco Hornworm, <i>Manduca Sexta</i> (L.): Cessation of Juvenile Hormone Secretion as A Trigger for Pupation. <i>Journal of Experimental Biology</i> , 1974, 61, 493-501.	0.8	348
7	Control Mechanisms of Polyphenic Development in Insects. <i>BioScience</i> , 1999, 49, 181-192.	2.2	332
8	Control of Moulting and Metamorphosis in the Tobacco Hornworm, <i>Manduca Sexta</i> (L.): Growth of the Last-Instar Larva and the Decision to Pupate. <i>Journal of Experimental Biology</i> , 1974, 61, 481-491.	0.8	328
9	The control of body size in insects. <i>Developmental Biology</i> , 2003, 261, 1-9.	0.9	323
10	Size and shape: the developmental regulation of static allometry in insects. <i>BioEssays</i> , 2007, 29, 536-548.	1.2	304
11	A THRESHOLD SIZE FOR METAMORPHOSIS IN THE TOBACCO HORNWORM, <i>MANDUCA SEXTA</i> (L.). <i>Biological Bulletin</i> , 1975, 149, 214-225.	0.7	301
12	Critical weight in the development of insect body size. <i>Evolution &amp; Development</i> , 2003, 5, 188-197.	1.1	285
13	The biological significance of substrate inhibition: A mechanism with diverse functions. <i>BioEssays</i> , 2010, 32, 422-429.	1.2	272
14	The developmental control of size in insects. <i>Wiley Interdisciplinary Reviews: Developmental Biology</i> , 2014, 3, 113-134.	5.9	239
15	Pattern formation on lepidopteran wings: Determination of an eyespot. <i>Developmental Biology</i> , 1980, 80, 267-274.	0.9	212
16	Ultrabithorax function in butterfly wings and the evolution of insect wing patterns. <i>Current Biology</i> , 1999, 9, 109-115.	1.8	208
17	A Mathematical Model of the Folate Cycle. <i>Journal of Biological Chemistry</i> , 2004, 279, 55008-55016.	1.6	181
18	The Physiological Basis of Reaction Norms: The Interaction Among Growth Rate, the Duration of Growth and Body Size. <i>Integrative and Comparative Biology</i> , 2004, 44, 443-449.	0.9	178

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19	Nonlinear partial differential equations and applications: Bombyxin is a growth factor for wing imaginal disks in Lepidoptera. Proceedings of the National Academy of Sciences of the United States of America, 2002, 99, 15446-15450.	3.3	166
20	Food availability controls the onset of metamorphosis in the dung beetle <i>Onthophagus taurus</i> (Coleoptera: Scarabaeidae). <i>Physiological Entomology</i> , 2001, 26, 173-180.	0.6	162
21	Control of body size by oxygen supply reveals size-dependent and size-independent mechanisms of molting and metamorphosis. Proceedings of the National Academy of Sciences of the United States of America, 2011, 108, 14664-14669.	3.3	152
22	Trade-offs during the Development of Primary and Secondary Sexual Traits in a Horned Beetle. <i>American Naturalist</i> , 2004, 163, 184-191.	1.0	143
23	Rapid evolution of a polyphenic threshold. <i>Evolution &amp; Development</i> , 2003, 5, 259-268.	1.1	133
24	A mathematical model of glutathione metabolism. <i>Theoretical Biology and Medical Modelling</i> , 2008, 5, 8.	2.1	131
25	The developmental and physiological basis of body size evolution in an insect. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2001, 268, 1589-1593.	1.2	130
26	A Mathematical Model Gives Insights into Nutritional and Genetic Aspects of Folate-Mediated One-Carbon Metabolism. <i>Journal of Nutrition</i> , 2006, 136, 2653-2661.	1.3	126
27	Developmental mechanisms of threshold evolution in a polyphenic beetle. <i>Evolution &amp; Development</i> , 2002, 4, 252-264.	1.1	125
28	The role of ecdysone in pupation of <i>Manduca sexta</i> . <i>Journal of Insect Physiology</i> , 1976, 22, 453-463.	0.9	112
29	Serotonin synthesis, release and reuptake in terminals: a mathematical model. <i>Theoretical Biology and Medical Modelling</i> , 2010, 7, 34.	2.1	110
30	Neural Tube Defects and Folate Pathway Genes: Family-Based Association Tests of Gene-Gene and Gene-Environment Interactions. <i>Environmental Health Perspectives</i> , 2006, 114, 1547-1552.	2.8	105
31	GENETICS OF FLUCTUATING ASYMMETRY: A DEVELOPMENTAL MODEL OF DEVELOPMENTAL INSTABILITY. <i>Evolution; International Journal of Organic Evolution</i> , 1999, 53, 358-375.	1.1	102
32	Homeostatic mechanisms in dopamine synthesis and release: a mathematical model. <i>Theoretical Biology and Medical Modelling</i> , 2009, 6, 21.	2.1	102
33	Soldier determination in <i>Pheidole bicarinata</i> : Inhibition by adult soldiers. <i>Journal of Insect Physiology</i> , 1984, 30, 127-135.	0.9	94
34	Competition among growing organs and developmental control of morphological asymmetry. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 1998, 265, 1135-1139.	1.2	92
35	DYNAMICS OF JUVENILE HORMONE ACTION IN LARVAE OF THE TOBACCO HORNWORM, <i>MANDUCA SEXTA</i> (L.). <i>Biological Bulletin</i> , 1975, 149, 568-579.	0.7	91
36	Soldier determination in <i>Pheidole bicarinata</i> : Effect of methoprene on caste and size within castes. <i>Journal of Insect Physiology</i> , 1983, 29, 847-854.	0.9	91

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37	Developmental Mechanisms of Body Size and Wing-Body Scaling in Insects. Annual Review of Entomology, 2015, 60, 141-156.	5.7	91
38	A mathematical model of the methionine cycle. Journal of Theoretical Biology, 2004, 226, 33-43.	0.8	86
39	The control of growth. Development (Cambridge), 2003, 130, 5863-5867.	1.2	84
40	Long-Range Allosteric Interactions between the Folate and Methionine Cycles Stabilize DNA Methylation Reaction Rate. Epigenetics, 2006, 1, 81-87.	1.3	84
41	Ontogeny of the color pattern on the wings of <i>Precis coenia</i> (Lepidoptera: Nymphalidae). Developmental Biology, 1980, 80, 275-288.	0.9	83
42	The control of growth and differentiation of the wing imaginal disks of <i>Manduca sexta</i> . Developmental Biology, 2007, 302, 569-576.	0.9	82
43	Conflicting processes in the evolution of body size and development time. Philosophical Transactions of the Royal Society B: Biological Sciences, 2010, 365, 567-575.	1.8	72
44	Body size determination in insects: a review and synthesis of size- and brain-dependent and independent mechanisms. Biological Reviews, 2013, 88, 944-954.	4.7	72
45	Developmental Models and Polygenic Characters. American Naturalist, 1997, 149, 394-405.	1.0	70
46	The biochemistry of acetaminophen hepatotoxicity and rescue: a mathematical model. Theoretical Biology and Medical Modelling, 2012, 9, 55.	2.1	70
47	Polymorphic mimicry in <i>Papilio dardanus</i> : mosaic dominance, big effects, and origins. Evolution & Development, 2003, 5, 579-592.	1.1	66
48	The Cellular and Physiological Mechanism of Wing-Body Scaling in <i>Manduca sexta</i> . Science, 2010, 330, 1693-1695.	6.0	65
49	Systems Biology of Phenotypic Robustness and Plasticity. Integrative and Comparative Biology, 2017, 57, 171-184.	0.9	61
50	A Physiological Perspective on the Response of Body Size and Development Time to Simultaneous Directional Selection. Integrative and Comparative Biology, 2005, 45, 525-531.	0.9	59
51	Pigmentation pattern formation in butterflies: experiments and models. Comptes Rendus - Biologies, 2003, 326, 717-727.	0.1	56
52	Voltammetric and mathematical evidence for dual transport mediation of serotonin clearance <i>in vivo</i> . Journal of Neurochemistry, 2014, 130, 351-359.	2.1	53
53	In silico experimentation with a model of hepatic mitochondrial folate metabolism. Theoretical Biology and Medical Modelling, 2006, 3, 40.	2.1	51
54	Modeling folate, one-carbon metabolism, and DNA methylation. Nutrition Reviews, 2008, 66, S27-S30.	2.6	49

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55	Control of growth and differentiation of the wing imaginal disk of <i>Precis coenia</i> (Lepidoptera: Tj ETQq1 1 0.784314 rgBT /Overlock 107	0.9	48
56	Molecular and Physiological Basis of Colour Pattern Formation. <i>Advances in Insect Physiology</i> , 2010, , 219-265.	1.1	48
57	A Quantitative Analysis of Growth and Size Regulation in <i>Manduca sexta</i> : The Physiological Basis of Variation in Size and Age at Metamorphosis. <i>PLoS ONE</i> , 2015, 10, e0127988.	1.1	48
58	In vivo Hippocampal Serotonin Dynamics in Male and Female Mice: Determining Effects of Acute Escitalopram Using Fast Scan Cyclic Voltammetry. <i>Frontiers in Neuroscience</i> , 2019, 13, 362.	1.4	46
59	Mathematical Modeling of Folate Metabolism: Predicted Effects of Genetic Polymorphisms on Mechanisms and Biomarkers Relevant to Carcinogenesis. <i>Cancer Epidemiology Biomarkers and Prevention</i> , 2008, 17, 1822-1831.	1.1	45
60	Homologies in the colour patterns of the genus <i>Heliconius</i> (Lepidoptera: Nymphalidae). <i>Biological Journal of the Linnean Society</i> , 1988, 33, 345-365.	0.7	44
61	Sex differences in hepatic one-carbon metabolism. <i>BMC Systems Biology</i> , 2018, 12, 89.	3.0	43
62	PHENOTYPIC CORRELATION STRUCTURE AMONG ELEMENTS OF THE COLOR PATTERN IN <i>PRECIS COENIA</i> (LEPIDOPTERA: NYMPHALIDAE). <i>Evolution; International Journal of Organic Evolution</i> , 1993, 47, 593-618.	1.1	41
63	Cryptic variation in butterfly eyespot development: the importance of sample size in gene expression studies. <i>Evolution &amp; Development</i> , 2007, 9, 2-9.	1.1	41
64	A Mathematical Model Gives Insights into the Effects of Vitamin B-6 Deficiency on 1-Carbon and Glutathione Metabolism. <i>Journal of Nutrition</i> , 2009, 139, 784-791.	1.3	39
65	A new mathematical approach for qualitative modeling of the insulin-TOR-MAPK network. <i>Frontiers in Physiology</i> , 2013, 4, 245.	1.3	39
66	Developmental Perspectives on Evolution of Butterfly Mimicry. <i>BioScience</i> , 1994, 44, 148-157.	2.2	38
67	Developmental constraints on the evolution of wingâ€body allometry in <i>Manduca sexta</i> . <i>Evolution &amp; Development</i> , 2010, 12, 592-600.	1.1	38
68	A Switch in the Control of Growth of the Wing Imaginal Disks of <i>Manduca sexta</i> . <i>PLoS ONE</i> , 2010, 5, e10723.	1.1	38
69	An analysis of the phenotypic effects of certain colour pattern genes in <i>Heliconius</i> (Lepidoptera: Tj ETQq1 1 0.784314 rgBT /Overlock 107	0.7	36
70	Developmental Causes of Allometry: New Models and Implications for Phenotypic Plasticity and Evolution. <i>Integrative and Comparative Biology</i> , 2012, 52, 43-52.	0.9	36
71	Diverse nanostructures underlie thin ultra-black scales in butterflies. <i>Nature Communications</i> , 2020, 11, 1294.	5.8	36
72	Symmetry systems and compartments in Lepidopteran wings: the evolution of a patterning mechanism. <i>Development (Cambridge)</i> , 1994, 1994, 225-233.	1.2	36

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73	A Mathematical Model of Tryptophan Metabolism via the Kynurenine Pathway Provides Insights into the Effects of Vitamin B-6 Deficiency, Tryptophan Loading, and Induction of Tryptophan 2,3-Dioxygenase on Tryptophan Metabolites. <i>Journal of Nutrition</i> , 2013, 143, 1509-1519.	1.3	35
74	Escape from homeostasis. <i>Mathematical Biosciences</i> , 2014, 257, 104-110.	0.9	34
75	The relationship between intracellular and plasma levels of folate and metabolites in the methionine cycle: A model. <i>Molecular Nutrition and Food Research</i> , 2013, 57, 628-636.	1.5	33
76	Phenotypic Correlations Structure among Elements of the Color Pattern in <i>Precis coenia</i> (Lepidoptera: Nymphalidae). <i>Evolution; International Journal of Organic Evolution</i> , 1993, 47, 593.	1.1	32
77	Contrasting Roles of Transcription Factors Spineless and EcR in the Highly Dynamic Chromatin Landscape of Butterfly Wing Metamorphosis. <i>Cell Reports</i> , 2019, 27, 1027-1038.e3.	2.9	32
78	A Population Model of Folate-Mediated One-Carbon Metabolism. <i>Nutrients</i> , 2013, 5, 2457-2474.	1.7	31
79	Systems biology of robustness and homeostatic mechanisms. <i>Wiley Interdisciplinary Reviews: Systems Biology and Medicine</i> , 2019, 11, e1440.	6.6	31
80	Origin of the mechanism of phenotypic plasticity in satyrid butterfly eyespots. <i>ELife</i> , 2020, 9, .	2.8	31
81	Imaginal wing discs in larvae of the soldier caste of <i>Pheidole bicarinata vinelandica</i> Forel (Hymenoptera : Formicidae). <i>Arthropod Structure and Development</i> , 1981, 10, 131-139.	0.4	30
82	Flavin-Dependent Thymidylate Synthase ThyX Activity: Implications for the Folate Cycle in Bacteria. <i>Journal of Bacteriology</i> , 2007, 189, 8537-8545.	1.0	30
83	Mathematical Insights into the Effects of Levodopa. <i>Frontiers in Integrative Neuroscience</i> , 2012, 6, 21.	1.0	29
84	Homeostasis and Dynamic Stability of the Phenotype Link Robustness and Plasticity. <i>Integrative and Comparative Biology</i> , 2014, 54, 264-275.	0.9	29
85	Synergism and Antagonism of Proximate Mechanisms Enable and Constrain the Response to Simultaneous Selection on Body Size and Development Time: An Empirical Test Using Experimental Evolution. <i>American Naturalist</i> , 2016, 188, 499-520.	1.0	29
86	Analysis of Homeostatic Mechanisms in Biochemical Networks. <i>Bulletin of Mathematical Biology</i> , 2017, 79, 2534-2557.	0.9	29
87	Using mathematical models to understand metabolism, genes, and disease. <i>BMC Biology</i> , 2015, 13, 79.	1.7	28
88	Fast serotonin voltammetry as a versatile tool for mapping dynamic tissue architecture: I. Responses at carbon fibers describe local tissue physiology. <i>Journal of Neurochemistry</i> , 2020, 153, 33-50.	2.1	28
89	Voltammetric evidence for discrete serotonin circuits, linked to specific reuptake domains, in the mouse medial prefrontal cortex. <i>Neurochemistry International</i> , 2019, 123, 50-58.	1.9	27
90	Mathematical Modeling: Epidemiology Meets Systems Biology. <i>Cancer Epidemiology Biomarkers and Prevention</i> , 2006, 15, 827-829.	1.1	26

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91	The distinct roles of insulin signaling in polyphenic development. <i>Current Opinion in Insect Science</i> , 2018, 25, 58-64.	2.2	26
92	Inflammation-Induced Histamine Impairs the Capacity of Escitalopram to Increase Hippocampal Extracellular Serotonin. <i>Journal of Neuroscience</i> , 2021, 41, 6564-6577.	1.7	26
93	Supply-Side Constraints Are Insufficient to Explain the Ontogenetic Scaling of Metabolic Rate in the Tobacco Hornworm, <i>Manduca sexta</i> . <i>PLoS ONE</i> , 2012, 7, e45455.	1.1	26
94	Mathematical Modeling Predicts the Effect of Folate Deficiency and Excess on Cancer-Related Biomarkers. <i>Cancer Epidemiology Biomarkers and Prevention</i> , 2011, 20, 1912-1917.	1.1	25
95	Development of polyploidy of scale-building cells in the wings of <i>Manduca sexta</i> . <i>Arthropod Structure and Development</i> , 2013, 42, 37-46.	0.8	25
96	A voltammetric and mathematical analysis of histaminergic modulation of serotonin in the mouse hypothalamus. <i>Journal of Neurochemistry</i> , 2016, 138, 374-383.	2.1	24
97	The development of wing shape in Lepidoptera: mitotic density, not orientation, is the primary determinant of shape. <i>Evolution &amp; Development</i> , 2014, 16, 68-77.	1.1	23
98	Evolutionary divergence of field and laboratory populations of <i>Manduca sexta</i> in response to host-plant quality. <i>Ecological Entomology</i> , 2010, 35, 166-174.	1.1	22
99	PREDICTING THE RESPONSE TO SIMULTANEOUS SELECTION: GENETIC ARCHITECTURE AND PHYSIOLOGICAL CONSTRAINTS. <i>Evolution; International Journal of Organic Evolution</i> , 2012, 66, 2916-2928.	1.1	22
100	Big or fast: two strategies in the developmental control of body size. <i>BMC Biology</i> , 2015, 13, 57.	1.7	22
101	Mathematical analysis of the regulation of competing methyltransferases. <i>BMC Systems Biology</i> , 2015, 9, 69.	3.0	21
102	Passive and active stabilization of dopamine in the striatum. <i>Bioscience Hypotheses</i> , 2009, 2, 240-244.	0.2	20
103	Dependence of morphometric allometries on the growth kinetics of body parts. <i>Journal of Theoretical Biology</i> , 2011, 288, 35-43.	0.8	20
104	A mathematical model for the regulation of juvenile hormone titers. <i>Journal of Insect Physiology</i> , 2008, 54, 255-264.	0.9	19
105	Size Matters (but So Does Time), and It's OK to Be Different. <i>Developmental Cell</i> , 2008, 15, 491-492.	3.1	19
106	Plasticity of insect body size in response to oxygen: integrating molecular and physiological mechanisms. <i>Current Opinion in Insect Science</i> , 2014, 1, 59-65.	2.2	19
107	Hormonal control of growth in the wing imaginal disks of <i>Junonia coenia</i> : the relative contributions of insulin and ecdysone. <i>Development (Cambridge)</i> , 2018, 145, .	1.2	19
108	Mathematical model insights into arsenic detoxification. <i>Theoretical Biology and Medical Modelling</i> , 2011, 8, 31.	2.1	18

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109	Mechanism of threshold size assessment: Metamorphosis is triggered by the TGF-beta/Activin ligand Myoglianin. <i>Insect Biochemistry and Molecular Biology</i> , 2020, 126, 103452.	1.2	18
110	Genetic assimilation and accommodation: Models and mechanisms. <i>Current Topics in Developmental Biology</i> , 2021, 141, 337-369.	1.0	17
111	A Possible Link Between Pyriproxyfen and Microcephaly. <i>PLOS Currents</i> , 2017, 9, .	1.4	16
112	Mathematical modeling of the effects of glutathione on arsenic methylation. <i>Theoretical Biology and Medical Modelling</i> , 2014, 11, 20.	2.1	15
113	Unmodern Synthesis: Developmental Hierarchies and the Origin of Phenotypes. <i>BioEssays</i> , 2018, 40, 1600265.	1.2	15
114	Propagation of Fluctuations in Biochemical Systems, I: Linear SSC Networks. <i>Bulletin of Mathematical Biology</i> , 2007, 69, 1791-1813.	0.9	14
115	Targeted metabolomics and mathematical modeling demonstrate that vitamin B-6 restriction alters one-carbon metabolism in cultured HepG2 cells. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2014, 307, E93-E101.	1.8	13
116	Constraint and developmental dissociation of phenotypic integration in a genetically accommodated trait. <i>Evolution &amp; Development</i> , 2008, 10, 690-699.	1.1	11
117	Exploring the Role of Insulin Signaling in Relative Growth: A Case Study on Wing-Body Scaling in Lepidoptera. <i>Integrative and Comparative Biology</i> , 2019, 59, 1324-1337.	0.9	10
118	Expanding the nymphalid groundplan's domain of applicability: pattern homologies in an arctiid moth ( <i>Utetheisa ornatrix</i> ). <i>Biological Journal of the Linnean Society</i> , 2019, 126, 912-924.	0.7	10
119	Anterior-Posterior Patterning in Lepidopteran Wings. <i>Frontiers in Ecology and Evolution</i> , 2020, 8, .	1.1	10
120	To plasticity and back again. <i>ELife</i> , 2015, 4, .	2.8	10
121	Wing morphogenesis in Lepidoptera. <i>Progress in Biophysics and Molecular Biology</i> , 2018, 137, 88-94.	1.4	8
122	A Developmental-Physiological Perspective on the Development and Evolution of Phenotypic Plasticity. <i>Boston Studies in the Philosophy and History of Science</i> , 2015, , 147-173.	0.4	7
123	The Origin of Novelty Through the Evolution of Scaling Relationships. <i>Integrative and Comparative Biology</i> , 2017, 57, 1322-1333.	0.9	7
124	Allometry, Scaling, and Ontogeny of Form: An Introduction to the Symposium. <i>Integrative and Comparative Biology</i> , 2019, 59, 1275-1280.	0.9	6
125	Color pattern specific proteins in black scales in developing wings of <i>Precis coenia</i> Hübner (Nymphalidae, Lepidoptera). <i>Roux's Archives of Developmental Biology</i> , 1990, 199, 289-294.	1.2	5
126	Developmental Phenotypic Landscapes. <i>Evolutionary Biology</i> , 2008, 35, 100-103.	0.5	5



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127	Environment and Genetic Accommodation. <i>Biological Theory</i> , 2008, 3, 204-212.	0.8	5
128	Autoreceptor control of serotonin dynamics. <i>BMC Neuroscience</i> , 2020, 21, 40.	0.8	5
129	The roles of growth regulation and appendage patterning genes in the morphogenesis of treehopper pronota. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2022, 289, .	1.2	5
130	A Day in the Life of Cell Metabolism. <i>Biological Theory</i> , 2007, 2, 124-127.	0.8	4
131	Larval Development: Making Ants into Soldiers. <i>Current Biology</i> , 2019, 29, R32-R34.	1.8	4
132	Regulation of phenotypic plasticity from the perspective of evolutionary developmental biology. , 2020, , 403-442.		4
133	The genetic control paradigm in biology: What we say, and what we are entitled to mean. <i>Progress in Biophysics and Molecular Biology</i> , 2022, 169-170, 89-93.	1.4	4
134	Spiracular fluttering increases oxygen uptake. <i>PLoS ONE</i> , 2020, 15, e0232450.	1.1	3
135	Voltammetric Approach for Characterizing the Biophysical and Chemical Functionality of Human Induced Pluripotent Stem Cell-Derived Serotonin Neurons. <i>Analytical Chemistry</i> , 2022, 94, 8847-8856.	3.2	3
136	One-carbon metabolism during the menstrual cycle and pregnancy. <i>PLoS Computational Biology</i> , 2021, 17, e1009708.	1.5	2
137	Evaluating old truths: Final adult size in holometabolous insects is set by the end of larval development. <i>Journal of Experimental Zoology Part B: Molecular and Developmental Evolution</i> , 2023, 340, 270-276.	0.6	2
138	Mathematical modeling of perfusion cell culture experiments on GnRH signaling. <i>Mathematical Biosciences</i> , 2016, 276, 121-132.	0.9	1
139	The multistep morphing of beetle horns. <i>Science</i> , 2019, 366, 946-947.	6.0	1
140	Mathematical Models of Neuromodulation and Implications for Neurology and Psychiatry. <i>Springer Series in Bio-/neuroinformatics</i> , 2017, , 191-225.	0.1	1
141	The development of shape. Modular control of growth in the lepidopteran forewing. <i>Journal of Experimental Zoology Part B: Molecular and Developmental Evolution</i> , 2022, 338, 170-180.	0.6	1
142	Mathematical model gives insights into vitamin B6 and kynurenine metabolism. <i>FASEB Journal</i> , 2012, 26, 1020.5.	0.2	0
143	Metabolic Networks, Modeling. , 2015, , 895-903.		0
144	Spiracular fluttering decouples oxygen uptake and water loss: a stochastic PDE model of respiratory water loss in insects. <i>Journal of Mathematical Biology</i> , 2022, 84, 40.	0.8	0