

Mihaela Pavlicev

List of Publications by Year in descending order

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Version: 2024-02-01

71
papers

4,581
citations

172457

29
h-index

118850

62
g-index

75
all docs

75
docs citations

75
times ranked

6619
citing authors

#	ARTICLE	IF	CITATIONS
1	The road to modularity. <i>Nature Reviews Genetics</i> , 2007, 8, 921-931.	16.3	853
2	The origin and evolution of cell types. <i>Nature Reviews Genetics</i> , 2016, 17, 744-757.	16.3	572
3	Genetic Associations with Gestational Duration and Spontaneous Preterm Birth. <i>New England Journal of Medicine</i> , 2017, 377, 1156-1167.	27.0	309
4	Single-cell transcriptomics of the human placenta: inferring the cell communication network of the maternal-fetal interface. <i>Genome Research</i> , 2017, 27, 349-361.	5.5	260
5	Pleiotropic scaling of gene effects and the "cost of complexity"™. <i>Nature</i> , 2008, 452, 470-472.	27.8	201
6	Measuring Morphological Integration Using Eigenvalue Variance. <i>Evolutionary Biology</i> , 2009, 36, 157-170.	1.1	184
7	Endometrial Decidualization: The Primary Driver of Pregnancy Health. <i>International Journal of Molecular Sciences</i> , 2020, 21, 4092.	4.1	151
8	A model of developmental evolution: selection, pleiotropy and compensation. <i>Trends in Ecology and Evolution</i> , 2012, 27, 316-322.	8.7	140
9	THE EVOLUTION OF PHENOTYPIC CORRELATIONS AND "DEVELOPMENTAL MEMORY". <i>Evolution; International Journal of Organic Evolution</i> , 2014, 68, 1124-1138.	2.3	103
10	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-???	2.3	100
11	Evolution of adaptive phenotypic variation patterns by direct selection for evolvability. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2011, 278, 1903-1912.	2.6	97
12	On the Relationship between Ontogenetic and Static Allometry. <i>American Naturalist</i> , 2013, 181, 195-212.	2.1	88
13	The phylogeny of the family Lacertidae (Reptilia) based on nuclear DNA sequences: Convergent adaptations to arid habitats within the subfamily Eremiainae. <i>Molecular Phylogenetics and Evolution</i> , 2007, 44, 1155-1163.	2.7	80
14	Constraints Evolve: Context Dependency of Gene Effects Allows Evolution of Pleiotropy. <i>Annual Review of Ecology, Evolution, and Systematics</i> , 2015, 46, 413-434.	8.3	73
15	Transposable Element Exaptation into Regulatory Regions Is Rare, Influenced by Evolutionary Age, and Subject to Pleiotropic Constraints. <i>Molecular Biology and Evolution</i> , 2017, 34, 2856-2869.	8.9	71
16	Evolution of the human pelvis and obstructed labor: new explanations of an old obstetrical dilemma. <i>American Journal of Obstetrics and Gynecology</i> , 2020, 222, 3-16.	1.3	69
17	Anthropoid primate-specific retroviral element THE1B controls expression of CRH in placenta and alters gestation length. <i>PLoS Biology</i> , 2018, 16, e2006337.	5.6	67
18	Fast radiation of the subfamily Lacertinae (Reptilia: Lacertidae): History or methodical artefact?. <i>Molecular Phylogenetics and Evolution</i> , 2009, 52, 727-734.	2.7	65

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19	Evolution of mammalian pregnancy and the origin of the decidual stromal cell. <i>International Journal of Developmental Biology</i> , 2014, 58, 117-126.	0.6	62
20	Cliff-edge model of obstetric selection in humans. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016, 113, 14680-14685.	7.1	62
21	Endogenous retroviruses drive species-specific germline transcriptomes in mammals. <i>Nature Structural and Molecular Biology</i> , 2020, 27, 967-977.	8.2	60
22	Genotype-Phenotype Maps Maximizing Evolvability: Modularity Revisited. <i>Evolutionary Biology</i> , 2011, 38, 371-389.	1.1	56
23	Evolution of placental invasion and cancer metastasis are causally linked. <i>Nature Ecology and Evolution</i> , 2019, 3, 1743-1753.	7.8	53
24	The Evolutionary Origin of Female Orgasm. <i>Journal of Experimental Zoology Part B: Molecular and Developmental Evolution</i> , 2016, 326, 326-337.	1.3	51
25	Decidualization of Human Endometrial Stromal Fibroblasts is a Multiphasic Process Involving Distinct Transcriptional Programs. <i>Reproductive Sciences</i> , 2019, 26, 323-336.	2.5	45
26	Evolution of pleiotropy: epistatic interaction pattern supports a mechanistic model underlying variation in genotype-phenotype map. <i>Journal of Experimental Zoology Part B: Molecular and Developmental Evolution</i> , 2011, 316B, 371-385.	1.3	43
27	Detecting Endogenous Retrovirus-Driven Tissue-Specific Gene Transcription. <i>Genome Biology and Evolution</i> , 2015, 7, 1082-1097.	2.5	43
28	The Transcriptomic Evolution of Mammalian Pregnancy: Gene Expression Innovations in Endometrial Stromal Fibroblasts. <i>Genome Biology and Evolution</i> , 2016, 8, 2459-2473.	2.5	43
29	Identification of Quantitative Trait Loci Affecting Murine Long Bone Length in a Two-Generation Intercross of LG/J and SM/J Mice. <i>Journal of Bone and Mineral Research</i> , 2008, 23, 887-895.	2.8	41
30	Multivariate Analysis of Genotype-Phenotype Association. <i>Genetics</i> , 2016, 202, 1345-1363.	2.9	33
31	UV reflecting vole scent marks attract a passerine, the great grey shrike <i>Lanius excubitor</i> . <i>Journal of Avian Biology</i> , 2002, 33, 437-440.	1.2	29
32	Human Parturition: Nothing More Than a Delayed Menstruation. <i>Reproductive Sciences</i> , 2018, 25, 166-173.	2.5	29
33	Humans as inverted bats: A comparative approach to the obstetric conundrum. <i>American Journal of Human Biology</i> , 2019, 31, e23227.	1.6	29
34	Directionality of Epistasis in a Murine Intercross Population. <i>Genetics</i> , 2010, 185, 1489-1505.	2.9	27
35	Predicting evolutionary potential: A numerical test of evolvability measures. <i>Evolution; International Journal of Organic Evolution</i> , 2019, 73, 689-703.	2.3	26
36	Calpain-10 is a component of the obesity-related quantitative trait locus <i>Adip1</i> . <i>Journal of Lipid Research</i> , 2010, 51, 907-913.	4.2	26

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37	Genomics of Preterm Birth. Cold Spring Harbor Perspectives in Medicine, 2015, 5, a023127-a023127.	6.2	25
38	Evolution of Embryo Implantation Was Enabled by the Origin of Decidual Stromal Cells in Eutherian Mammals. Molecular Biology and Evolution, 2021, 38, 1060-1074.	8.9	23
39	Peptide/Receptor Co-evolution Explains the Lipolytic Function of the Neuropeptide TLQP-21. Cell Reports, 2019, 28, 2567-2580.e6.	6.4	20
40	Repeated sequence homogenization between the control and pseudocontrol regions in the mitochondrial genomes of the subfamily Aquilinae. Journal of Experimental Zoology Part B: Molecular and Developmental Evolution, 2009, 312B, 171-185.	1.3	19
41	Comparing human and macaque placental transcriptomes to disentangle preterm birth pathology from gestational age effects. Placenta, 2016, 41, 74-82.	1.5	19
42	Cliff-edge model predicts intergenerational predisposition to dystocia and Caesarean delivery. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, 11669-11672.	7.1	18
43	Coming to Grips with Evolvability. Evolution: Education and Outreach, 2012, 5, 231-244.	0.8	17
44	Pregnant Females as Historical Individuals: An Insight From the Philosophy of Evo-Devo. Frontiers in Psychology, 2020, 11, 572106.	2.1	17
45	Calpain-10 is a component of the obesity-related quantitative trait locus Adip1. Journal of Lipid Research, 2010, 51, 907-913.	4.2	16
46	Genomic Correlates of Relationship QTL Involved in Fore- versus Hind Limb Divergence in Mice. Genome Biology and Evolution, 2013, 5, 1926-1936.	2.5	16
47	Multiple copies of coding as well as pseudogenec-mos sequence exist in three lacertid species. Journal of Experimental Zoology Part B: Molecular and Developmental Evolution, 2006, 306B, 539-550.	1.3	15
48	Wiring for independence: Positive feedback motifs facilitate individuation of traits in development and evolution. Journal of Experimental Zoology Part B: Molecular and Developmental Evolution, 2015, 324, 104-113.	1.3	13
49	An experimental test of the ovulatory homolog model of female orgasm. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 20267-20273.	7.1	13
50	Eutherian-Specific Gene TRIML2 Attenuates Inflammation in the Evolution of Placentation. Molecular Biology and Evolution, 2020, 37, 507-523.	8.9	13
51	Measuring Evolutionary Constraints Through the Dimensionality of the Phenotype: Adjusted Bootstrap Method to Estimate Rank of Phenotypic Covariance Matrices. Evolutionary Biology, 2009, 36, 339-353.	1.1	12
52	Development Shapes a Consistent Inbreeding Effect in Mouse Crania of Different Line Crosses. Journal of Experimental Zoology Part B: Molecular and Developmental Evolution, 2016, 326, 474-488.	1.3	11
53	Endometrial recognition of pregnancy occurs in the grey short-tailed opossum (<i>Monodelphis domestica</i>). <i>Journal of Experimental Zoology Part B: Molecular and Developmental Evolution</i> , 2014, 314, 107-111.	0.78	11
54	Weak genetic relationship between trabecular bone morphology and obesity in mice. Bone, 2012, 51, 46-53.	2.9	9

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55	Female orgasm and the emergence of prosocial empathy: An evo–devo perspective. Journal of Experimental Zoology Part B: Molecular and Developmental Evolution, 2018, 330, 66-75.	1.3	8
56	Spring migration dynamics and sex-specific patterns in stopover strategy in the Wood Sandpiper <i>Tringa glareola</i> . Journal of Ornithology, 2009, 150, 313-319.	1.1	7
57	What the Evolution of Female Orgasm Teaches Us. Journal of Experimental Zoology Part B: Molecular and Developmental Evolution, 2016, 326, 325-325.	1.3	6
58	Origin, Function, and Effects of Female Orgasm: All Three are Different. Journal of Experimental Zoology Part B: Molecular and Developmental Evolution, 2017, 328, 299-303.	1.3	6
59	Female Genital Variation Far Exceeds That of Male Genitalia: A Review of Comparative Anatomy of Clitoris and the Female Lower Reproductive Tract in Theria. Integrative and Comparative Biology, 2022, 62, 581-601.	2.0	6
60	Genetic Associations With Gestational Duration and Spontaneous Preterm Birth. Obstetrical and Gynecological Survey, 2018, 73, 83-85.	0.4	4
61	Wagner et al. reply. Nature, 2008, 456, E4-E4.	27.8	3
62	Pleiotropy and Its Evolution: Connecting Evo-Devo and Population Genetics. , 2016, , 1-10.		3
63	Reply to Grossman: The role of natural selection for the increase of Caesarean section rates. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, E1305.	7.1	3
64	Human Evolution, Genomics, and Birth Timing: New Approaches for Investigating Preterm Birth. NeoReviews, 2014, 15, e17-e27.	0.8	1
65	The Home Range and Notes on a Radio-tagged Northeastern Siberian Northern Goshawk (<i>Accipiter gentilis albidus</i>). Journal of Raptor Research, 2007, 41, 336-337.	0.6	0
66	Orgasm. , 2018, , 232-237.		0
67	Reply to Quintana et al.: Behavior is an unlikely mediator of fluoxetine effects on ovulation in rabbits. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 25384-25385.	7.1	0
68	Pleiotropy and Its Evolution: Connecting Evo-Devo and Population Genetics. , 2021, , 1087-1096.		0
69	Developmental Evolutionary Biology (Devo-Evo). , 2021, , 1033-1046.		0
70	Orgasm. , 2018, , 1-7.		0
71	Orgasm. , 2022, , 4843-4850.		0