Gregory S Barsh

List of Publications by Year
in descending order

76 papers	6,388 citations	159585 30 h-index	149698 56 g-index
83 all docs	83 docs citations	83 times ranked	8004 citing authors

#	Article	IF	Citations
1	Whole-genome sequences shed light on the demographic history and contemporary genetic erosion of free-ranging jaguar (Panthera onca) populations. Journal of Genetics and Genomics, 2022, 49, 77-80.	3.9	4
2	A geneâ€"diet interaction controlling relative intake of dietary carbohydrates and fats. Molecular Metabolism, 2022, 58, 101442.	6.5	7
3	Expanding human variation at PLOS Genetics. PLoS Genetics, 2022, 18, e1010070.	3.5	0
4	Genetic regulation of OAS1 nonsense-mediated decay underlies association with COVID-19 hospitalization in patients of European and African ancestries. Nature Genetics, 2022, 54, 1103-1116.	21.4	54
5	Population structure, inbreeding and stripe pattern abnormalities in plains zebras. Molecular Ecology, 2021, 30, 379-390.	3.9	17
6	Aberrant regulation of a poison exon caused by a non-coding variant in a mouse model of Scn1a-associated epileptic encephalopathy. PLoS Genetics, 2021, 17, e1009195.	3.5	18
7	Dog colour patterns explained by modular promoters of ancient canid origin. Nature Ecology and Evolution, 2021, 5, 1415-1423.	7.8	24
8	High frequency of an otherwise rare phenotype in a small and isolated tiger population. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	7.1	15
9	Developmental genetics of color pattern establishment in cats. Nature Communications, 2021, 12, 5127.	12.8	19
10	Epigenetic models developed for plains zebras predict age in domestic horses and endangered equids. Communications Biology, 2021, 4, 1412.	4.4	23
11	Title is missing!. , 2021, 17, e1009195.		0
12	Title is missing!. , 2021, 17, e1009195.		0
13	Title is missing!. , 2021, 17, e1009195.		0
14	Title is missing!. , 2021, 17, e1009195.		0
15	Return of raw data in genomic testing and research: ownership, partnership, and riskâ€"benefit. Genetics in Medicine, 2020, 22, 12-14.	2.4	2
16	Melanoma to Vitiligo: The Melanocyte in Biology & Medicineâ€"Joint Montagna Symposium on the Biology of Skin/PanAmerican Society for Pigment Cell Research Annual Meeting. Journal of Investigative Dermatology, 2020, 140, 269-274.	0.7	2
17	Mixed methods. PLoS Genetics, 2020, 16, e1008950.	3.5	0
18	PEA15 loss of function and defective cerebral development in the domestic cat. PLoS Genetics, 2020, 16, e1008671.	3.5	4

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19	Kingdom Come. PLoS Genetics, 2020, 16, e1009178.	3.5	0
20	PEA15 loss of function and defective cerebral development in the domestic cat. , 2020, 16, e1008671.		0
21	PEA15 loss of function and defective cerebral development in the domestic cat. , 2020, 16, e1008671.		0
22	PEA15 loss of function and defective cerebral development in the domestic cat. , 2020, 16, e1008671.		0
23	PEA15 loss of function and defective cerebral development in the domestic cat. , 2020, 16, e1008671.		0
24	The Plight of Muntaser Ibrahim. PLoS Genetics, 2019, 15, e1008100.	3.5	1
25	Making room for opinions. PLoS Genetics, 2019, 15, e1008015.	3.5	0
26	Evaluating the strength of genetic results: Risks and responsibilities. PLoS Genetics, 2019, 15, e1008437.	3.5	1
27	Genomic sequencing identifies secondary findings in a cohort of parent study participants. Genetics in Medicine, 2018, 20, 1635-1643.	2.4	24
28	Doubling down on forensic twin studies. PLoS Genetics, 2018, 14, e1007831.	3.5	0
29	Aberrant Inclusion of a Poison Exon Causes Dravet Syndrome and Related SCN1A-Associated Genetic Epilepsies. American Journal of Human Genetics, 2018, 103, 1022-1029.	6.2	76
30	De novo mutations in the GTP/GDP-binding region of RALA, a RAS-like small GTPase, cause intellectual disability and developmental delay. PLoS Genetics, 2018, 14, e1007671.	3.5	16
31	2018 PLOS Genetics Research Prize: Bundling, stabilizing, organizingâ€"The orchestration of acentriolar spindle assembly by microtubule motor proteins. PLoS Genetics, 2018, 14, e1007649.	3.5	0
32	The Language of Genetics In the Interviews of Jane Gitschier. PLoS Genetics, 2016, 12, e1006115.	3.5	0
33	Bringing PLOS Genetics Editors to Preprint Servers. PLoS Genetics, 2016, 12, e1006448.	3.5	12
34	A Hox-Embedded Long Noncoding RNA: Is It All Hot Air?. PLoS Genetics, 2016, 12, e1006485.	3.5	38
35	Dominant Red Coat Color in Holstein Cattle Is Associated with a Missense Mutation in the Coatomer Protein Complex, Subunit Alpha (COPA) Gene. PLoS ONE, 2015, 10, e0128969.	2.5	30
36	Electrostatic Similarity Analysis of Human Î²-Defensin Binding in the Melanocortin System. Biophysical Journal, 2015, 109, 1946-1958.	0.5	6

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37	PLOS Genetics Data Sharing Policy: In Pursuit of Functional Utility. PLoS Genetics, 2015, 11, e1005716.	3.5	10
38	A Decad(e) of Reasons to Contribute to a PLOS Community-Run Journal. PLoS Genetics, 2015, 11, e1005557.	3.5	0
39	Modeling 3D Facial Shape from DNA. PLoS Genetics, 2014, 10, e1004224.	3.5	190
40	Molecular and Functional Analysis of Human Î²-Defensin 3 Action at Melanocortin Receptors. Chemistry and Biology, 2013, 20, 784-795.	6.0	30
41	Genetics of Pigmentation in Dogs and Cats. Annual Review of Animal Biosciences, 2013, 1, 125-156.	7.4	65
42	Genetic Architecture of Skin and Eye Color in an African-European Admixed Population. PLoS Genetics, 2013, 9, e1003372.	3.5	137
43	David R. Cox 1946â€"2013. Nature Genetics, 2013, 45, 716-716.	21.4	0
44	Guidelines for Genome-Wide Association Studies. PLoS Genetics, 2012, 8, e1002812.	3.5	88
45	Specifying and Sustaining Pigmentation Patterns in Domestic and Wild Cats. Science, 2012, 337, 1536-1541.	12.6	110
46	Tabby pattern genetics â€" a whole new breed of cat. Pigment Cell and Melanoma Research, 2010, 23, 514-516.	3.3	10
47	Responseâ€"How the Gray Wolf Got Its Color. Science, 2009, 325, 34-34.	12.6	3
48	How Hair Gets Its Pigment. Cell, 2007, 130, 779-781.	28.9	26
49	A Î²-Defensin Mutation Causes Black Coat Color in Domestic Dogs. Science, 2007, 318, 1418-1423.	12.6	311
50	Association of an Agouti allele with fawn or sable coat color in domestic dogs. Mammalian Genome, 2005, 16, 262-272.	2.2	59
51	Structures of the Agouti Signaling Protein. Journal of Molecular Biology, 2005, 346, 1059-1070.	4.2	77
52	What Controls Variation in Human Skin Color?. PLoS Biology, 2003, 1, e27.	5.6	104
53	GENETIC AND BIOCHEMICAL STUDIES OF THE AGOUTIâ€"ATTRACTIN SYSTEM. Journal of Receptor and Signal Transduction Research, 2002, 22, 63-77.	2.5	14
54	Genetic approaches to studying energy balance: perception and integration. Nature Reviews Genetics, 2002, 3, 589-600.	16.3	361

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55	Agouti signaling protein and other factors modulating differentiation and proliferation of immortal melanoblasts. Developmental Dynamics, 2001, 221, 373-379.	1.8	46
56	A biochemical function for attractin in agouti-induced pigmentation and obesity. Nature Genetics, 2001, 27, 40-47.	21.4	129
57	Biochemical and Genetic Studies of Pigment-Type Switching. Pigment Cell & Melanoma Research, 2000, 13, 48-53.	3.6	66
58	Melanocortin 1 receptor variation in the domestic dog. Mammalian Genome, 2000, 11, 24-30.	2.2	194
59	Neuroendocrine Regulation by the Agouti/Agrp-Melanocortin System. Endocrine Research, 2000, 26, 571-571.	1.2	11
60	Down-regulation of Melanocortin Receptor Signaling Mediated by the Amino Terminus of Agouti Protein in XenopusMelanophores. Journal of Biological Chemistry, 1999, 274, 15837-15846.	3.4	34
61	The mouse mahogany locus encodes a transmembrane form of human attractin. Nature, 1999, 398, 152-156.	27.8	194
62	Dilated cardiomyopathy and atrioventricular conduction blocks induced by heart-specific inactivation of mitochondrial DNA gene expression. Nature Genetics, 1999, 21, 133-137.	21.4	393
63	Gene trap insertional mutagenesis in mice: new vectors and germ line mutations in two novel genes. , 1999, 8, 451-458.		3
64	Distribution of Mahogany/Attractin mRNA in the rat central nervous system. FEBS Letters, 1999, 462, 101-107.	2.8	41
65	Molecular Pharmacology of Agouti Protein <i>in Vitro</i> and <i>in Vivo</i>. Annals of the New York Academy of Sciences, 1999, 885, 143-152.	3.8	28
66	Mitochondrial transcription factor A is necessary for mtDNA maintance and embryogenesis in mice. Nature Genetics, 1998, 18, 231-236.	21.4	1,377
67	Chemically defined projections linking the mediobasal hypothalamus and the lateral hypothalamic area. Journal of Comparative Neurology, 1998, 402, 442-459.	1.6	783
68	Chemically defined projections linking the mediobasal hypothalamus and the lateral hypothalamic area. , 1998, 402, 442.		3
69	Chemically defined projections linking the mediobasal hypothalamus and the lateral hypothalamic area. , 1998, 402, 442.		1
70	Chemically defined projections linking the mediobasal hypothalamus and the lateral hypothalamic area. Journal of Comparative Neurology, 1998, 402, 442-459.	1.6	19
71	Down-Regulation of Mitochondrial Transcription Factor a During Spermatogenesis in Humans. Human Molecular Genetics, 1997, 6, 185-1991.	2.9	75
72	Structure and chromosomal localization of the mouse mitochondrial transcription factor a gene (Tfam). Mammalian Genome, 1997, 8, 139-140.	2.2	43

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73	A single mouse gene encodes the mitochondrial transcription factor A and a testisâ€“specific nuclear HMG-box protein. Nature Genetics, 1996, 13, 296-302.	21.4	145
74	The Interaction of Agouti Signal Protein and Melanocyte Stimulating Hormone to Regulate Melanin Formation in Mammals. Pigment Cell & Melanoma Research, 1996, 9, 191-203.	3.6	51
75	Obesity, diabetes, and neoplasia in yellow <i>A</i> ^{vy} /â€•mice: ectopic expression of the <i>agouti</i> gene. FASEB Journal, 1994, 8, 479-488.	0.5	323
76	Neomorphic agouti mutations in obese yellow mice. Nature Genetics, 1994, 8, 59-65.	21.4	434