

# Michael R Garvin

## List of Publications by Year in descending order

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Version: 2024-02-01

28  
papers

2,281  
citations

516215

16  
h-index

552369

26  
g-index

34  
all docs

34  
docs citations

34  
times ranked

3086  
citing authors

#	ARTICLE	IF	CITATIONS
1	The Tangier disease gene product ABC1 controls the cellular apolipoprotein-mediated lipid removal pathway. <i>Journal of Clinical Investigation</i> , 1999, 104, R25-R31.	3.9	665
2	ABCA1 Is the cAMP-inducible Apolipoprotein Receptor That Mediates Cholesterol Secretion from Macrophages. <i>Journal of Biological Chemistry</i> , 2000, 275, 34508-34511.	1.6	483
3	A mechanistic model and therapeutic interventions for COVID-19 involving a RAS-mediated bradykinin storm. <i>ELife</i> , 2020, 9, .	2.8	296
4	Application of single nucleotide polymorphisms to non-model species: a technical review. <i>Molecular Ecology Resources</i> , 2010, 10, 915-934.	2.2	177
5	Î²ig-h3, a Transforming Growth Factor-Inducible Gene, Is Overexpressed in Atherosclerotic and Restenotic Human Vascular Lesions. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 1996, 16, 576-584.	1.1	86
6	Positive Darwinian Selection in the Piston That Powers Proton Pumps in Complex I of the Mitochondria of Pacific Salmon. <i>PLoS ONE</i> , 2011, 6, e24127.	1.1	84
7	Review and meta-analysis of natural selection in mitochondrial complex I in metazoans. <i>Journal of Zoological Systematics and Evolutionary Research</i> , 2015, 53, 1-17.	0.6	70
8	Potentially adaptive SARS-CoV-2 mutations discovered with novel spatiotemporal and explainable AI models. <i>Genome Biology</i> , 2020, 21, 304.	3.8	55
9	Genotype to phenotype: Diet-by-mitochondrial DNA haplotype interactions drive metabolic flexibility and organismal fitness. <i>PLoS Genetics</i> , 2018, 14, e1007735.	1.5	46
10	SARS-CoV-2 suppresses anticoagulant and fibrinolytic gene expression in the lung. <i>ELife</i> , 2021, 10, .	2.8	46
11	Differential Expression of Genes that Control Respiration Contribute to Thermal Adaptation in Redband Trout ( <i>Oncorhynchus mykiss gairdneri</i> ). <i>Genome Biology and Evolution</i> , 2015, 7, 1404-1414.	1.1	41
12	Can exascale computing and explainable artificial intelligence applied to plant biology deliver on the United Nations sustainable development goals?. <i>Current Opinion in Biotechnology</i> , 2020, 61, 217-225.	3.3	32
13	Sex-specific influences of mtDNA mitotype and diet on mitochondrial functions and physiological traits in <i>Drosophila melanogaster</i> . <i>PLoS ONE</i> , 2017, 12, e0187554.	1.1	31
14	Potential Pathogenicity Determinants Identified from Structural Proteomics of SARS-CoV and SARS-CoV-2. <i>Molecular Biology and Evolution</i> , 2021, 38, 702-715.	3.5	23
15	NF-Î²B perturbation reveals unique immunomodulatory functions in Prx1 <sup>+</sup> fibroblasts that promote development of atopic dermatitis. <i>Science Translational Medicine</i> , 2022, 14, eabj0324.	5.8	22
16	DEco-TILLING: an inexpensive method for single nucleotide polymorphism discovery that reduces ascertainment bias. <i>Molecular Ecology Notes</i> , 2007, 7, 735-746.	1.7	19
17	Replication in restenotic atherectomy tissue. <i>Atherosclerosis</i> , 2000, 152, 117-126.	0.4	18
18	Mitochondrial variation in small brown planthoppers linked to multiple traits and probably reflecting a complex evolutionary trajectory. <i>Molecular Ecology</i> , 2019, 28, 3306-3323.	2.0	16

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19	Recent physical connections may explain weak genetic structure in western Alaskan chum salmon ( <i>Oncorhynchus keta</i> ) populations. <i>Ecology and Evolution</i> , 2013, 3, 2362-2377.	0.8	14
20	Potentially adaptive mitochondrial haplotypes as a tool to identify divergent nuclear loci. <i>Methods in Ecology and Evolution</i> , 2017, 8, 821-834.	2.2	10
21	A k-mer based approach for classifying viruses without taxonomy identifies viral associations in human autism and plant microbiomes. <i>Computational and Structural Biotechnology Journal</i> , 2021, 19, 5911-5919.	1.9	10
22	Evolution: are the monkeys' typewriters rigged?. <i>Royal Society Open Science</i> , 2014, 1, 140172.	1.1	7
23	Application of single nucleotide polymorphism markers to chum salmon ( <i>Oncorhynchus keta</i> ): discovery, genotyping and linkage phase resolution. <i>Journal of Fish Biology</i> , 2010, 77, 2137-2162.	0.7	5
24	Diagnostic Single Nucleotide Polymorphisms Identify Pacific Ocean Perch and Delineate Blackspotted and Rougheye Rockfish. <i>Transactions of the American Fisheries Society</i> , 2011, 140, 984-988.	0.6	5
25	Exogenous Factors May Differentially Influence the Selective Costs of mtDNA Mutations. <i>Advances in Anatomy, Embryology and Cell Biology</i> , 2019, 231, 51-74.	1.0	4
26	968-23 Evaluation of Proliferation in Human Atherectomy Specimens Using In Situ Hybridization for Histone H3. <i>Journal of the American College of Cardiology</i> , 1995, 25, 240A.	1.2	3
27	Response to comment on "SARS-CoV-2 suppresses anticoagulant and fibrinolytic gene expression in the lung". <i>ELife</i> , 2022, 11, .	2.8	1
28	Antiviral Strategies Against SARS-CoV-2: A Systems Biology Approach. <i>Methods in Molecular Biology</i> , 2022, 2452, 317-351.	0.4	1