

Jeremy W Prokop

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

78
papers

1,127
citations

19
h-index

31
g-index

94
ext. papers

1,506
ext. citations

4.9
avg, IF

4.21
L-index

#	Paper	IF	Citations
78	Leptin in teleost fishes: an argument for comparative study. <i>Frontiers in Physiology</i> , 2011 , 2, 26	4.6	83
77	Germline and somatic mutations in the gene in focal cortical dysplasia and epilepsy. <i>Neurology: Genetics</i> , 2016 , 2, e118	3.8	76
76	Leptin and leptin receptor: analysis of a structure to function relationship in interaction and evolution from humans to fish. <i>Peptides</i> , 2012 , 38, 326-36	3.8	66
75	Molecular evolution of GPCRs: Melanocortin/melanocortin receptors. <i>Journal of Molecular Endocrinology</i> , 2014 , 52, T29-42	4.5	65
74	Discovery of the elusive leptin in birds: identification of several missing links in the evolution of leptin and its receptor. <i>PLoS ONE</i> , 2014 , 9, e92751	3.7	53
73	Mutation of SH2B3 (LNK), a genome-wide association study candidate for hypertension, attenuates Dahl salt-sensitive hypertension via inflammatory modulation. <i>Hypertension</i> , 2015 , 65, 1111-7	8.5	47
72	An evolutionarily conserved DNA architecture determines target specificity of the TWIST family bHLH transcription factors. <i>Genes and Development</i> , 2015 , 29, 603-16	12.6	45
71	On the Molecular Evolution of Leptin, Leptin Receptor, and Endospanin. <i>Frontiers in Endocrinology</i> , 2017 , 8, 58	5.7	35
70	Sry, more than testis determination?. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2011 , 301, R561-71	3.2	34
69	Genetic Fine-Mapping and Identification of Candidate Genes and Variants for Adiposity Traits in Outbred Rats. <i>Obesity</i> , 2018 , 26, 213-222	8	33
68	Genome sequencing in the clinic: the past, present, and future of genomic medicine. <i>Physiological Genomics</i> , 2018 , 50, 563-579	3.6	31
67	SARS-CoV-2 (COVID-19) structural and evolutionary dynamicome: Insights into functional evolution and human genomics. <i>Journal of Biological Chemistry</i> , 2020 , 295, 11742-11753	5.4	30
66	Molecular modeling in the age of clinical genomics, the enterprise of the next generation. <i>Journal of Molecular Modeling</i> , 2017 , 23, 75	2	28
65	De novo mutations in MED13, a component of the Mediator complex, are associated with a novel neurodevelopmental disorder. <i>Human Genetics</i> , 2018 , 137, 375-388	6.3	26
64	Characterization of Coding/Noncoding Variants for in Patients with CKD. <i>Journal of the American Society of Nephrology: JASN</i> , 2018 , 29, 1525-1535	12.7	22
63	Similarities and differences of X and Y chromosome homologous genes, SRY and SOX3, in regulating the renin-angiotensin system promoters. <i>Physiological Genomics</i> , 2015 , 47, 177-86	3.6	22
62	Beyond thermoregulation: metabolic function of cetacean blubber in migrating bowhead and beluga whales. <i>Journal of Comparative Physiology B: Biochemical, Systemic, and Environmental Physiology</i> , 2017 , 187, 235-252	2.2	20

61	Chromosome Y genetic variants: impact in animal models and on human disease. <i>Physiological Genomics</i> , 2015 , 47, 525-37	3.6	20
60	LIMD2 is a small LIM-only protein overexpressed in metastatic lesions that regulates cell motility and tumor progression by directly binding to and activating the integrin-linked kinase. <i>Cancer Research</i> , 2014 , 74, 1390-1403	10.1	19
59	2015 Guidelines for Establishing Genetically Modified Rat Models for Cardiovascular Research. <i>Journal of Cardiovascular Translational Research</i> , 2015 , 8, 269-77	3.3	18
58	Familial and Somatic Mutations Inactivate ASXL1/2-Mediated Allosteric Regulation of BAP1 Deubiquitinase by Targeting Multiple Independent Domains. <i>Cancer Research</i> , 2018 , 78, 1200-1213	10.1	17
57	Methylation specific targeting of a chromatin remodeling complex from sponges to humans. <i>Scientific Reports</i> , 2017 , 7, 40674	4.9	16
56	Differences in the Phosphorylation-Dependent Regulation of Prenylation of Rap1A and Rap1B. <i>Journal of Molecular Biology</i> , 2016 , 428, 4929-4945	6.5	16
55	The Tumor-suppressive Small GTPase DiRas1 Binds the Noncanonical Guanine Nucleotide Exchange Factor SmgGDS and Antagonizes SmgGDS Interactions with Oncogenic Small GTPases. <i>Journal of Biological Chemistry</i> , 2016 , 291, 6534-45	5.4	16
54	Genome sequencing for early-onset or atypical dementia: high diagnostic yield and frequent observation of multiple contributory alleles. <i>Journal of Physical Education and Sports Management</i> , 2019 , 5,	2.8	15
53	A method for in silico identification of SNAIL/SLUG DNA binding potentials to the E-box sequence using molecular dynamics and evolutionary conserved amino acids. <i>Journal of Molecular Modeling</i> , 2013 , 19, 3463-9	2	14
52	Analysis of Sry duplications on the Rattus norvegicus Y-chromosome. <i>BMC Genomics</i> , 2013 , 14, 792	4.5	14
51	From rat to human: regulation of Renin-Angiotensin system genes by sry. <i>International Journal of Hypertension</i> , 2012 , 2012, 724240	2.4	14
50	Virus-induced genetics revealed by multidimensional precision medicine transcriptional workflow applicable to COVID-19. <i>Physiological Genomics</i> , 2020 , 52, 255-268	3.6	12
49	A Mutation in -Adducin Impairs Autoregulation of Renal Blood Flow and Promotes the Development of Kidney Disease. <i>Journal of the American Society of Nephrology: JASN</i> , 2020 , 31, 687-700	12.7	11
48	The phenotypic impact of the male-specific region of chromosome-Y in inbred mating: the role of genetic variants and gene duplications in multiple inbred rat strains. <i>Biology of Sex Differences</i> , 2016 , 7, 10	9.3	11
47	Lethal NARS2-Related Disorder Associated With Rapidly Progressive Intractable Epilepsy and Global Brain Atrophy. <i>Pediatric Neurology</i> , 2018 , 89, 26-30	2.9	11
46	Differential mechanisms of activation of the Ang peptide receptors AT1, AT2, and MAS: using in silico techniques to differentiate the three receptors. <i>PLoS ONE</i> , 2013 , 8, e65307	3.7	11
45	De novo mutations in the GTP/GDP-binding region of RALA, a RAS-like small GTPase, cause intellectual disability and developmental delay. <i>PLoS Genetics</i> , 2018 , 14, e1007671	6	11
44	RNF213 variants in a child with PHACE syndrome and moyamoya vasculopathy. <i>American Journal of Medical Genetics, Part A</i> , 2017 , 173, 2557-2561	2.5	10

43	Structural libraries of protein models for multiple species to understand evolution of the renin-angiotensin system. <i>General and Comparative Endocrinology</i> , 2015 , 215, 106-16	3	9
42	SARS-CoV-2-Encoded Proteome and Human Genetics: From Interaction-Based to Ribosomal Biology Impact on Disease and Risk Processes. <i>Journal of Proteome Research</i> , 2020 , 19, 4275-4290	5.6	9
41	Evolution of the phenotype of craniosynostosis with dental anomalies syndrome and report of IL11RA variant population frequencies in a Crouzon-like autosomal recessive syndrome. <i>American Journal of Medical Genetics, Part A</i> , 2019 , 179, 668-673	2.5	9
40	HDAC2 Regulates Site-Specific Acetylation of MDM2 and Its Ubiquitination Signaling in Tumor Suppression. <i>IScience</i> , 2019 , 13, 43-54	6.1	9
39	High-Density Blood Transcriptomics Reveals Precision Immune Signatures of SARS-CoV-2 Infection in Hospitalized Individuals. <i>Frontiers in Immunology</i> , 2021 , 12, 694243	8.4	9
38	Refined mapping of a hypertension susceptibility locus on rat chromosome 12. <i>Hypertension</i> , 2014 , 64, 883-90	8.5	7
37	Amino acid function and docking site prediction through combining disease variants, structure alignments, sequence alignments, and molecular dynamics: a study of the HMG domain. <i>BMC Bioinformatics</i> , 2012 , 13 Suppl 2, S3	3.6	7
36	The C-terminal domain of SRA1p has a fold more similar to PRP18 than to an RRM and does not directly bind to the SRA1 RNA STR7 region. <i>Journal of Molecular Biology</i> , 2014 , 426, 1753-65	6.5	6
35	Repurposing eflornithine to treat a patient with a rare ODC1 gain-of-function variant disease. <i>ELife</i> , 2021 , 10,	8.9	6
34	Deleterious Variation in BRSK2 Associates with a Neurodevelopmental Disorder. <i>American Journal of Human Genetics</i> , 2019 , 104, 701-708	11	5
33	Functional domain analysis of SOX18 transcription factor using a single-chain variable fragment-based approach. <i>MAbs</i> , 2018 , 10, 596-606	6.6	5
32	MAS promoter regulation: a role for Sry and tyrosine nitration of the KRAB domain of ZNF274 as a feedback mechanism. <i>Clinical Science</i> , 2014 , 126, 727-38	6.5	5
31	SIGIRR Mutation in Human Necrotizing Enterocolitis (NEC) Disrupts STAT3-Dependent microRNA Expression in Neonatal Gut. <i>Cellular and Molecular Gastroenterology and Hepatology</i> , 2021 ,	7.9	5
30	Expanding the phenotype of the CDKL5 deficiency disorder: Are seizures mandatory?. <i>American Journal of Medical Genetics, Part A</i> , 2020 , 182, 1217-1222	2.5	4
29	SARS-CoV2 (COVID-19) Structural/Evolution Dynamicome: Insights into functional evolution and human genomics 2020 ,		4
28	Emerging Role of in Neurodevelopmental Disorders and Brain Development. <i>Genes</i> , 2021 , 12,	4.2	4
27	Breakdown of multiple sclerosis genetics to identify an integrated disease network and potential variant mechanisms. <i>Physiological Genomics</i> , 2019 , 51, 562-577	3.6	3
26	Integrated RNA Sequencing Reveals Epigenetic Impacts of Diesel Particulate Matter Exposure in Human Cerebral Organoids. <i>Developmental Neuroscience</i> , 2020 , 42, 195-207	2.2	3

25	NAA10 variant in 38-week-gestation male patient: a case study. <i>Journal of Physical Education and Sports Management</i> , 2020 , 6,	2.8	3
24	Gene expression signatures identify paediatric patients with multiple organ dysfunction who require advanced life support in the intensive care unit. <i>EBioMedicine</i> , 2020 , 62, 103122	8.8	3
23	Monitoring neutrophil-to-lymphocyte ratio in patients with coronavirus disease 2019 receiving tocilizumab. <i>Annals of Allergy, Asthma and Immunology</i> , 2021 , 126, 306-308	3.2	3
22	Balancing precision versus cohort transcriptomic analysis of acute and recovery phase of viral bronchiolitis. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , 2021 , 320, L1147-L1157	5.8	3
21	Expanding the phenotype: Four new cases and hope for treatment in Bachmann-Bupp syndrome. <i>American Journal of Medical Genetics, Part A</i> , 2021 , 185, 3485-3493	2.5	3
20	Transcriptional analysis of the multiple Sry genes and developmental program at the onset of testis differentiation in the rat. <i>Biology of Sex Differences</i> , 2020 , 11, 28	9.3	2
19	PEA15 loss of function and defective cerebral development in the domestic cat. <i>PLoS Genetics</i> , 2020 , 16, e1008671	6	2
18	Rapid whole-genome sequencing identifies a homozygous novel variant, His540Arg, in resulting in D-bifunctional protein deficiency disorder diagnosis. <i>Journal of Physical Education and Sports Management</i> , 2020 , 6,	2.8	2
17	A Human Variant Screening Platform in Gabaergic Cortical Interneurons for Genotype to Phenotype Assessments. <i>Frontiers in Molecular Neuroscience</i> , 2020 , 13, 573409	6.1	2
16	SLC6A1 G443D associated with developmental delay and epilepsy. <i>Journal of Physical Education and Sports Management</i> , 2020 , 6,	2.8	2
15	SARS-CoV-2 infection: molecular mechanisms of severe outcomes to suggest therapeutics. <i>Expert Review of Proteomics</i> , 2021 , 18, 105-118	4.2	2
14	Silver Binding to Bacterial Glutaredoxins Observed by NMR. <i>Biophysica</i> , 2021 , 1, 359-376		2
13	Sept8/SEPTIN8 involvement in cellular structure and kidney damage is identified by genetic mapping and a novel human tubule hypoxic model. <i>Scientific Reports</i> , 2021 , 11, 2071	4.9	2
12	Combined Plasma and Urinary Metabolomics Uncover Metabolic Perturbations Associated with Severe Respiratory Syncytial Viral Infection and Future Development of Asthma in Infant Patients.. <i>Metabolites</i> , 2022 , 12,	5.6	2
11	Computational and Experimental Analysis of Genetic Variants. 2022 , 12, 3303-3336		2
10	Neuronatin is a modifier of estrogen receptor-positive breast cancer incidence and outcome. <i>Breast Cancer Research and Treatment</i> , 2019 , 177, 77-91	4.4	1
9	CCR5 and Biological Complexity: The Need for Data Integration and Educational Materials to Address Genetic/Biological Reductionism at the Interface of Ethical, Legal, and Social Implications.. <i>Frontiers in Immunology</i> , 2021 , 12, 790041	8.4	1
8	Genome sequencing for early-onset dementia: high diagnostic yield and frequent observation of multiple contributory alleles		1

7	WD Repeat Domain 1 (WDR1) Deficiency Presenting as a Cause of Infantile Inflammatory Bowel Disease. <i>Journal of Pediatric Gastroenterology and Nutrition</i> , 2020 , 71, e113-e117	2.8	1
6	Genomic, transcriptomic, and protein landscape profile of CFTR and cystic fibrosis. <i>Human Genetics</i> , 2021 , 140, 423-439	6.3	1
5	Perinatal Manifestations of -Associated Leukoencephalopathy With Brainstem and Spinal Cord Involvement and Lactate Elevation (LBSL). <i>Child Neurology Open</i> , 2021 , 8, 2329048X211019173	1.3	1
4	Defining Functional Human Variants in the HMG Box of SOX Genes of >60,000 Human Individuals for Potential Cardiovascular and Cancer Genetic Risk. <i>FASEB Journal</i> , 2018 , 32, 863.3	0.9	
3	Examination of Molecular Dynamic Simulations for Glucokinase (GCK) Mutations in Type 2 Diabetes. <i>FASEB Journal</i> , 2019 , 33, 455.3	0.9	
2	Genetic fine-mapping and gene identification of adiposity traits in outbred rats. <i>FASEB Journal</i> , 2015 , 29, 665.7	0.9	
1	Kinetic Characterization of ASXL1/2-Mediated Allosteric Regulation of the BAP1 Deubiquitinase. <i>Molecular Cancer Research</i> , 2021 , 19, 1099-1112	6.6	