Aris N Economides

List of Publications by Year
in descending order

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42 papers	5,089 citations	201658 27 h-index	289230 40 g-index
50 all docs	50 docs citations	50 times ranked	9901 citing authors

#	Article	IF	Citations
1	Analysis of rare genetic variation underlying cardiometabolic diseases and traits among 200,000 individuals in the UK Biobank. Nature Genetics, 2022, 54, 240-250.	21.4	68
2	Anti-ACVR1 antibodies exacerbate heterotopic ossification in fibrodysplasia ossificans progressiva (FOP) by activating FOP-mutant ACVR1. Journal of Clinical Investigation, 2022, 132, .	8.2	17
3	Saracatinib is an efficacious clinical candidate for fibrodysplasia ossificans progressiva. JCI Insight, 2021, 6, .	5.0	29
4	Advancing human genetics research and drug discovery through exome sequencing of the UK Biobank. Nature Genetics, 2021, 53, 942-948.	21.4	234
5	Sequencing of 640,000 exomes identifies GPR75 variants associated with protection from obesity. Science, 2021, 373, .	12.6	130
6	GWAS of serum ALT and AST reveals an association of SLC30A10 Thr95Ile with hypermanganesemia symptoms. Nature Communications, 2021, 12, 4571.	12.8	26
7	Cell type-selective targeted delivery of a recombinant lysosomal enzyme for enzyme therapies. Molecular Therapy, 2021, 29, 3512-3524.	8.2	10
8	Genetic and functional evidence links a missense variant in B4GALT1 to lower LDL and fibrinogen. Science, 2021, 374, 1221-1227.	12.6	14
9	Exome sequencing and characterization of 49,960 individuals in the UK Biobank. Nature, 2020, 586, 749-756.	27.8	369
10	KCNQ1 and Long QT Syndrome in 1/45 Amish. Circulation Genomic and Precision Medicine, 2020, 13, e003133.	3.6	7
11	Functional biology of the Steel syndrome founder allele and evidence for clan genomics derivation of COL27A1 pathogenic alleles worldwide. European Journal of Human Genetics, 2020, 28, 1243-1264.	2.8	27
12	Activin A does not drive post-traumatic heterotopic ossification. Bone, 2020, 138, 115473.	2.9	22
13	Activin A forms a non-signaling complex with ACVR1 and type II Activin/BMP receptors via its finger 2 tip loop. ELife, 2020, 9, .	6.0	45
14	Multifunctional Alleles: A novel method for the generation of â€œAll-In-Oneâ€•null and conditional alleles. Methods, 2019, 164-165, 91-99.	3.8	0
15	Structural characterization of an activin class ternary receptor complex reveals a third paradigm for receptor specificity. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 15505-15513.	7.1	46
16	The bone marrow microenvironment at single-cell resolution. Nature, 2019, 569, 222-228.	27.8	624
17	Reactivation of a developmental Bmp2 signaling center is required for therapeutic control of the murine periosteal niche. ELife, 2019, 8, .	6.0	25
18	Induction of the Hajdu-Cheney Syndrome Mutation in CD19 B Cells in Mice Alters B-Cell Allocation but Not Skeletal Homeostasis. American Journal of Pathology, 2018, 188, 1430-1446.	3.8	5

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19	The obligatory role of Activin A in the formation of heterotopic bone in Fibrodysplasia Ossificans Progressiva. Bone, 2018, 109, 210-217.	2.9	45
20	Odd skipped-related 1 (Osr1) identifies muscle-interstitial fibro-adipogenic progenitors (FAPs) activated by acute injury. Stem Cell Research, 2018, 32, 8-16.	0.7	64
21	Sustained Notch2 signaling in osteoblasts, but not in osteoclasts, is linked to osteopenia in a mouse model of Hajdu-Cheney syndrome. Journal of Biological Chemistry, 2017, 292, 12232-12244.	3.4	26
22	The Expansion of Heterotopic Bone in Fibrodysplasia Ossificans Progressiva Is Activin A-Dependent. Journal of Bone and Mineral Research, 2017, 32, 2489-2499.	2.8	51
23	Monoallelic BMP2 Variants Predicted to Result in Haploinsufficiency Cause Craniofacial, Skeletal, and Cardiac Features Overlapping Those of 20p12 Deletions. American Journal of Human Genetics, 2017, 101, 985-994.	6.2	44
24	In Vivo Quantitative Microcomputed Tomographic Analysis of Vasculature and Organs in a Normal and Diseased Mouse Model. PLoS ONE, 2016, 11, e0150085.	2.5	24
25	Distribution and clinical impact of functional variants in 50,726 whole-exome sequences from the DiscovEHR study. Science, 2016, 354, .	12.6	464
26	Two tissue-resident progenitor lineages drive distinct phenotypes of heterotopic ossification. Science Translational Medicine, 2016, 8, 366ra163.	12.4	168
27	Palovarotene Inhibits Heterotopic Ossification and Maintains Limb Mobility and Growth in Mice With the Human ACVR1R206H Fibrodysplasia Ossificans Progressiva (FOP) Mutation. Journal of Bone and Mineral Research, 2016, 31, 1666-1675.	2.8	137
28	Severity and Frequency of Proximal Tubule Injury Determines Renal Prognosis. Journal of the American Society of Nephrology: JASN, 2016, 27, 2393-2406.	6.1	196
29	RNA Exosome-Regulated Long Non-Coding RNA Transcription Controls Super-Enhancer Activity. Cell, 2015, 161, 774-789.	28.9	370
30	ACVR1 ^{R206H} receptor mutation causes fibrodysplasia ossificans progressiva by imparting responsiveness to activin A. Science Translational Medicine, 2015, 7, 303ra137.	12.4	366
31	The Bulk of Autotaxin Activity Is Dispensable for Adult Mouse Life. PLoS ONE, 2015, 10, e0143083.	2.5	55
32	Abstract 661: Tie2 Deficiency Leads to Lymphatic Defects and Resistance to High-fat Diet Induced Obesity. Arteriosclerosis, Thrombosis, and Vascular Biology, 2015, 35, .	2.4	0
33	microTSS: accurate microRNA transcription start site identification reveals a significant number of divergent pri-miRNAs. Nature Communications, 2014, 5, 5700.	12.8	58
34	Noncoding RNA transcription targets AID to divergently transcribed loci in B cells. Nature, 2014, 514, 389-393.	27.8	159
35	Inhibition of leukemia cell engraftment and disease progression in mice by osteoblasts. Blood, 2014, 124, 2834-2846.	1.4	112
36	A lymphatic defect causes ocular hypertension and glaucoma in mice. Journal of Clinical Investigation, 2014, 124, 4320-4324.	8.2	151

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37	Conditionals by inversion provide a universal method for the generation of conditional alleles. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, E3179-88.	7.1	64
38	Application of a Novel Strategy of Engineering Conditional Alleles to a Single Exon Gene, Sox2. PLoS ONE, 2012, 7, e45768.	2.5	12
39	BMP3 Suppresses Osteoblast Differentiation of Bone Marrow Stromal Cells via Interaction with Acvr2b. Molecular Endocrinology, 2012, 26, 87-94.	3.7	99
40	Connective Tissue Growth Factor Is Required for Skeletal Development and Postnatal Skeletal Homeostasis in Male Mice. Endocrinology, 2010, 151, 3490-3501.	2.8	43
41	High-throughput engineering of the mouse genome coupled with high-resolution expression analysis. Nature Biotechnology, 2003, 21, 652-659.	17.5	549
42	IN VIVO SOMATIC CELL GENE TRANSFER OF AN ENGINEERED NOGGIN MUTEIN PREVENTS BMP4-INDUCED HETEROTOPIC OSSIFICATION. Journal of Bone and Joint Surgery - Series A, 2003, 85, 2332-2342.	3.0	128