Bruce A Hamilton

List of Publications by Year
in descending order

62 papers	4,423 citations	172443 29 h-index	161844 54 g-index
70 all docs	70 docs citations	70 times ranked	5896 citing authors

#	Article	IF	Citations
1	The diastrophic dysplasia gene encodes a novel sulfate transporter: Positional cloning by fine-structure linkage disequilibrium mapping. Cell, 1994, 78, 1073-1087.	28.9	731
2	Disruption of the nuclear hormone receptor RORÎ± in staggerer mice. Nature, 1996, 379, 736-739.	27.8	487
3	Regeneration of fat cells from myofibroblasts during wound healing. Science, 2017, 355, 748-752.	12.6	434
4	Exome Capture Reveals ZNF423 and CEP164 Mutations, Linking Renal Ciliopathies to DNA Damage Response Signaling. Cell, 2012, 150, 533-548.	28.9	347
5	The vibrator Mutation Causes Neurodegeneration via Reduced Expression of PITPÎ±: Positional Complementation Cloning and Extragenic Suppression. Neuron, 1997, 18, 711-722.	8.1	193
6	RORÎ± Coordinates Reciprocal Signaling in Cerebellar Development through Sonic hedgehog and Calcium-Dependent Pathways. Neuron, 2003, 40, 1119-1131.	8.1	139
7	Deleting an Nr4a1 Super-Enhancer Subdomain Ablates Ly6C low Monocytes while Preserving Macrophage Gene Function. Immunity, 2016, 45, 975-987.	14.3	127
8	Phage lambda cDNA cloning vectors for subtractive hybridization, fusion-protein synthesis and Cre-loxP automatic plasmid subcloning. Gene, 1990, 88, 25-36.	2.2	122
9	Catecholamine Releaseâ€“Inhibitory Peptide Catestatin (Chromogranin A 352â€“372). Circulation, 2007, 115, 2271-2281.	1.6	105
10	Both Rare and Common Polymorphisms Contribute Functional Variation at CHGA, a Regulator of Catecholamine Physiology. American Journal of Human Genetics, 2004, 74, 197-207.	6.2	104
11	Mice Lacking Phosphatidylinositol Transfer Protein-Î± Exhibit Spinocerebellar Degeneration, Intestinal and Hepatic Steatosis, and Hypoglycemia. Journal of Biological Chemistry, 2003, 278, 33501-33518.	3.4	103
12	Organic anion and cation transporters occur in pairs of similar and similarly expressed genes. Biochemical and Biophysical Research Communications, 2003, 300, 333-342.	2.1	101
13	C-reactive protein, an â€˜intermediate phenotypeâ€™ for inflammation: human twin studies reveal heritability, association with blood pressure and the metabolic syndrome, and the influence of common polymorphism at catecholaminergic/Î²2-adrenergic pathway loci. Journal of Hypertension, 2007, 25, 329-343.	0.5	88
14	The Catecholamine Release-Inhibitory â€œCatestatinâ€•Fragment of Chromogranin A: Naturally Occurring Human Variants with Different Potencies for Multiple Chromaffin Cell Nicotinic Cholinergic Responses. Molecular Pharmacology, 2004, 66, 1180-1191.	2.3	86
15	Analyses of coding region polymorphisms in apical and basolateral human organic anion transporter (OAT) genes [OAT1 (NKT), OAT2, OAT3, OAT4, URAT (RST)] Rapid Communication. Kidney International, 2005, 68, 1491-1499.	5.2	85
16	Mutation Rate and Predicted Phenotypic Target Sizes in Ethylnitrosourea-Treated Mice. Genetics, 2004, 168, 953-959.	2.9	82
17	RORÎ± in genetic control of cerebellum development: 50 staggering years. Brain Research, 2007, 1140, 19-25.	2.2	82
18	Zfp423 controls proliferation and differentiation of neural precursors in cerebellar vermis formation. Proceedings of the National Academy of Sciences of the United States of America, 2006, 103, 19424-19429.	7.1	75

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19	Modifier Genes and the Plasticity of Genetic Networks in Mice. PLoS Genetics, 2012, 8, e1002644.	3.5	70
20	The lipid elongation enzyme ELOVL2 is a molecular regulator of aging in the retina. Aging Cell, 2020, 19, e13100.	6.7	66
21	Heredity and the autonomic nervous system in human hypertension. Current Hypertension Reports, 2000, 2, 16-22.	3.5	61
22	Chromogranin A Polymorphisms Are Associated With Hypertensive Renal Disease. Journal of the American Society of Nephrology: JASN, 2008, 19, 600-614.	6.1	58
23	Renal Albumin Excretion. Hypertension, 2007, 49, 1015-1031.	2.7	50
24	Human dopamine beta-hydroxylase (DBH) regulatory polymorphism that influences enzymatic activity, autonomic function, and blood pressure. Journal of Hypertension, 2010, 28, 76-86.	0.5	48
25	Naturally Occurring Human Genetic Variation in the 3â€²-Untranslated Region of the Secretory Protein Chromogranin A Is Associated With Autonomic Blood Pressure Regulation and Hypertension in a Sex-Dependent Fashion. Journal of the American College of Cardiology, 2008, 52, 1468-1481.	2.8	44
26	Î±-Synuclein A53T substitution associated with Parkinson disease also marks the divergence of Old World and New World primates. Genomics, 2004, 83, 739-742.	2.9	43
27	Analyses of 5â€² regulatory region polymorphisms in human SLC22A6 (OAT1) and SLC22A8 (OAT3). Journal of Human Genetics, 2006, 51, 575-580.	2.3	41
28	A natural allele of Nxf1 suppresses retrovirus insertional mutations. Nature Genetics, 2003, 35, 221-228.	21.4	38
29	Rapid isolation of long cDNA clones from existing libraries. Nucleic Acids Research, 1991, 19, 1951-1952.	14.5	30
30	Of Mice and Genome Sequence. Cell, 2001, 107, 13-16.	28.9	29
31	An ancestral variant of Secretogranin II confers regulation by PHOX2 transcription factors and association with hypertension. Human Molecular Genetics, 2007, 16, 1752-1764.	2.9	29
32	The mouse neurological mutant flailer expresses a novel hybrid gene derived by exon shuffling between Gnb5 and Myo5a. Human Molecular Genetics, 2000, 9, 821-828.	2.9	28
33	Neuropeptide Y1Receptor NPY1R. Journal of the American College of Cardiology, 2009, 54, 944-954.	2.8	28
34	Zfp423 Regulates Sonic Hedgehog Signaling via Primary Cilium Function. PLoS Genetics, 2016, 12, e1006357.	3.5	27
35	Chromogranin A Regulates Renal Function by Triggering Weibelâ€“Palade Body Exocytosis. Journal of the American Society of Nephrology: JASN, 2009, 20, 1623-1632.	6.1	24
36	Chapter 4 From Clone to Mutant Gene. Methods in Cell Biology, 1994, 44, 81-94.	1.1	22

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37	Intranuclear Inclusions and the Ubiquitinâ€“Proteasome Pathway. Neuron, 1999, 24, 765-766.	8.1	20
38	Modifier genes and non-genetic factors reshape anatomical deficits in Zfp423-deficient mice. Human Molecular Genetics, 2011, 20, 3822-3830.	2.9	17
39	TBR2 antagonizes retinoic acid dependent neuronal differentiation by repressing Zfp423 during corticogenesis. Developmental Biology, 2018, 434, 231-248.	2.0	17
40	Catecholamine Storage Vesicles: Role of Core Protein Genetic Polymorphisms in Hypertension. Current Hypertension Reports, 2011, 13, 36-45.	3.5	16
41	Common Charge-Shift Mutation Glu65Lys in K+ Channel Î²1-Subunit KCNMB1: Pleiotropic Consequences for Glomerular Filtration Rate and Progressive Renal Disease. American Journal of Nephrology, 2010, 32, 414-424.	3.1	14
42	Variations in abundance: genome-wide responses to genetic variation and vice versa. Genome Biology, 2002, 3, reviews1029.1.	9.6	13
43	Multipotent Genetic Suppression of Retrotransposon-Induced Mutations by Nxf1 through Fine-Tuning of Alternative Splicing. PLoS Genetics, 2009, 5, e1000484.	3.5	13
44	Zfp423 Binds Autoregulatory Sites in P19 Cell Culture Model. PLoS ONE, 2013, 8, e66514.	2.5	12
45	Nmf9 Encodes a Highly Conserved Protein Important to Neurological Function in Mice and Flies. PLoS Genetics, 2015, 11, e1005344.	3.5	11
46	Nxf1 Natural Variant E610G Is a Semi-dominant Suppressor of IAP-Induced RNA Processing Defects. PLoS Genetics, 2015, 11, e1005123.	3.5	10
47	Naturally Occurring Genetic Variants in Human Chromogranin A (CHGA) Associated with Hypertension as well as Hypertensive Renal Disease. Cellular and Molecular Neurobiology, 2010, 30, 1395-1400.	3.3	9
48	ZNF423 patient variants, truncations, and in-frame deletions in mice define an allele-dependent range of midline brain abnormalities. PLoS Genetics, 2020, 16, e1009017.	3.5	8
49	Conserved regulatory motifs at phenylethanolamine N-methyltransferase (PNMT) are disrupted by common functional genetic variation: an integrated computational/experimental approach. Mammalian Genome, 2010, 21, 195-204.	2.2	6
50	Genetic Variation Within a Metabolic Motif in the Chromogranin A Promoter: Pleiotropic Influence on Cardiometabolic Risk Traits in Twins. American Journal of Hypertension, 2012, 25, 29-40.	2.0	6
51	Modifier Genes for Mouse Phosphatidylinositol Transfer Protein Î± (vibrator) That Bypass Juvenile Lethality. Genetics, 2011, 187, 1185-1191.	2.9	4
52	Retrotransposon Activates Ectopic Ptf1 Expression: A Short Tail. PLoS Genetics, 2013, 9, e1003331.	3.5	3
53	Tracking Intron Removal in Real Time. Developmental Cell, 2011, 21, 979-980.	7.0	2
54	RORÎ±: An Orphan that Staggers the Mind. , 2006, , 307-325.		1

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55	Letter to the Editor on â€œThreonine 53 in Î±-synuclein is conserved in long-living non-primate animalsâ€• Biochemical and Biophysical Research Communications, 2010, 391, 1154.	2.1	1
56	Deep Reads: Favorites from a Few Different Shelves. PLoS Genetics, 2016, 12, e1006476.	3.5	0
57	Strain-Dependent Modifier Genes Determine Survival inZfp423Mice. G3: Genes, Genomes, Genetics, 2020, 10, 4241-4247.	1.8	0
58	Ankfn1-mutant vestibular defects require loss of both ancestral and derived paralogs for penetrance in zebrafish. G3: Genes, Genomes, Genetics, 2022, 12, .	1.8	0
59	Title is missing!. , 2020, 16, e1009017.		0
60	Title is missing!. , 2020, 16, e1009017.		0
61	Title is missing!. , 2020, 16, e1009017.		0
62	Title is missing!. , 2020, 16, e1009017.		0