

Andy Brass

List of Publications by Year in descending order

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53
papers

3,158
citations

126907

33
h-index

168389

53
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58
all docs

58
docs citations

58
times ranked

3695
citing authors

#	ARTICLE	IF	CITATIONS
1	Modeling Data Journeys to Inform the Digital Transformation of Kidney Transplant Services: Observational Study. <i>Journal of Medical Internet Research</i> , 2022, 24, e31825.	4.3	2
2	A Blockchain-Based Dynamic Consent Architecture to Support Clinical Genomic Data Sharing (ConsentChain): Proof-of-Concept Study. <i>JMIR Medical Informatics</i> , 2021, 9, e27816.	2.6	18
3	GeVIR is a continuous gene-level metric that uses variant distribution patterns to prioritize disease candidate genes. <i>Nature Genetics</i> , 2020, 52, 35-39.	21.4	32
4	Gut eosinophils and their impact on the mucus-resident microbiota. <i>Immunology</i> , 2019, 158, 194-205.	4.4	29
5	Quality of Methods Reporting in Animal Models of Colitis. <i>Inflammatory Bowel Diseases</i> , 2015, 21, 1.	1.9	49
6	A statistical analysis of murine incisional and excisional acute wound models. <i>Wound Repair and Regeneration</i> , 2014, 22, 281-287.	3.0	73
7	The Quality of Methods Reporting in Parasitology Experiments. <i>PLoS ONE</i> , 2014, 9, e101131.	2.5	12
8	Novel SNP Discovery in African Buffalo, <i>Syncerus caffer</i> , Using High-Throughput Sequencing. <i>PLoS ONE</i> , 2012, 7, e48792.	2.5	15
9	Ultradian Cortisol Pulsatility Encodes a Distinct, Biologically Important Signal. <i>PLoS ONE</i> , 2011, 6, e15766.	2.5	44
10	Genetic and expression analysis of cattle identifies candidate genes in pathways responding to <i>Trypanosoma congolense</i> infection. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2011, 108, 9304-9309.	7.1	92
11	A Comprehensive Genetic Analysis of Candidate Genes Regulating Response to <i>Trypanosoma congolense</i> Infection in Mice. <i>PLoS Neglected Tropical Diseases</i> , 2010, 4, e880.	3.0	14
12	Differential gene expression in a rat model of depression based on persistent differences in exploratory activity. <i>European Neuropsychopharmacology</i> , 2010, 20, 288-300.	0.7	43
13	Claudin 13, a Member of the Claudin Family Regulated in Mouse Stress Induced Erythropoiesis. <i>PLoS ONE</i> , 2010, 5, e12667.	2.5	18
14	Clinical Chemistry of Congenic Mice with Quantitative Trait Loci for Predicted Responses to <i>Trypanosoma congolense</i> Infection. <i>Infection and Immunity</i> , 2009, 77, 3948-3957.	2.2	7
15	Pleiotropic effects of negative energy balance in the postpartum dairy cow on splenic gene expression: repercussions for innate and adaptive immunity. <i>Physiological Genomics</i> , 2009, 39, 28-37.	2.3	50
16	Comparison of TFIH gene family members deleted in Williams-Beuren syndrome. <i>Protein Science</i> , 2009, 13, 2588-2599.	7.6	39
17	Mechanisms Controlling Anaemia in <i>Trypanosoma congolense</i> Infected Mice. <i>PLoS ONE</i> , 2009, 4, e5170.	2.5	49
18	A systematic strategy for large-scale analysis of genotype-phenotype correlations: identification of candidate genes involved in African trypanosomiasis. <i>Nucleic Acids Research</i> , 2007, 35, 5625-5633.	14.5	51

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19	Standard Annotation of Environmental OMICS Data: Application to the Transcriptomics Domain. <i>OMICS A Journal of Integrative Biology</i> , 2006, 10, 172-178.	2.0	21
20	Gene expression profiling in a mouse model for African trypanosomiasis. <i>Genes and Immunity</i> , 2006, 7, 667-679.	4.1	35
21	From The Cover: Hypoxia-inducible myoglobin expression in nonmuscle tissues. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2006, 103, 2977-2981.	7.1	152
22	Identification of Novel Genes in Intestinal Tissue That Are Regulated after Infection with an Intestinal Nematode Parasite. <i>Infection and Immunity</i> , 2005, 73, 4025-4033.	2.2	98
23	Analysis of the transcriptome of the protozoan <i>Theileria parva</i> using MPSS reveals that the majority of genes are transcriptionally active in the schizont stage. <i>Nucleic Acids Research</i> , 2005, 33, 5503-5511.	14.5	50
24	Coping with cold: An integrative, multitissue analysis of the transcriptome of a poikilothermic vertebrate. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2004, 101, 16970-16975.	7.1	410
25	Isolation and characterisation of GTF2IRD2, a novel fusion gene and member of the TFII-I family of transcription factors, deleted in Williams's "Beuren syndrome. <i>European Journal of Human Genetics</i> , 2004, 12, 551-560.	2.8	51
26	PhosphaBase: An ontology-driven database resource for protein phosphatases. <i>Proteins: Structure, Function and Bioinformatics</i> , 2004, 58, 290-294.	2.6	17
27	A systematic approach to modeling, capturing, and disseminating proteomics experimental data. <i>Nature Biotechnology</i> , 2003, 21, 247-254.	17.5	246
28	Apoptosis signals in atopy and asthma measured with cDNA arrays. <i>Clinical and Experimental Immunology</i> , 2001, 123, 181-187.	2.6	36
29	Metaphyseal Chondrodysplasia Type Schmid Mutations Are Predicted to Occur in Two Distinct Three-dimensional Clusters within Type X Collagen NC1 Domains That Retain the Ability to Trimerize. <i>Journal of Biological Chemistry</i> , 1999, 274, 3632-3641.	3.4	35
30	Recent developments in biological sequence databases. <i>Current Opinion in Biotechnology</i> , 1998, 9, 54-58.	6.6	24
31	Deducing polymeric structure from aqueous molecular dynamics simulations of oligosaccharides: predictions from simulations of hyaluronan tetrasaccharides compared with hydrodynamic and X-ray fibre diffraction data 1 Edited by R. Huber. <i>Journal of Molecular Biology</i> , 1998, 284, 1425-1437.	4.2	72
32	Dynamic exchange between stabilized conformations predicted for hyaluronan tetrasaccharides: Comparison of molecular dynamics simulations with available NMR data. <i>Glycobiology</i> , 1998, 8, 973-980.	2.5	63
33	The Ov20 Protein of the Parasitic Nematode <i>Onchocerca volvulus</i> . <i>Journal of Biological Chemistry</i> , 1997, 272, 29442-29448.	3.4	95
34	Molecular dynamics simulations of the two disaccharides of hyaluronan in aqueous solution. <i>Glycobiology</i> , 1997, 7, 597-604.	2.5	57
35	The mechanical properties of simulated collagen fibrils. <i>Journal of Biomechanics</i> , 1997, 30, 549-554.	2.1	41
36	Self-assembly of rodlike particles in two dimensions: A simple model for collagen fibrillogenesis. <i>Physical Review E</i> , 1994, 50, 2963-2966.	2.1	26

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37	A Cellular Automata Model for Helper T Cell Subset Polarization in Chronic and Acute Infection. <i>Journal of Theoretical Biology</i> , 1994, 166, 189-200.	1.7	11
38	Hybrid Monte Carlo: An efficient algorithm for condensed matter simulation. <i>Journal of Computational Chemistry</i> , 1994, 15, 838-846.	3.3	43
39	A Secondary Structure Model of the Integrin α Subunit N-Terminal Domain Based on Analysis of Multiple Alignments. <i>Cell Adhesion and Communication</i> , 1994, 2, 385-402.	1.7	42
40	A cDNA encoding repeating units of the ABA-1 allergen of <i>Ascaris</i> . <i>Molecular and Biochemical Parasitology</i> , 1993, 57, 339-343.	1.1	46
41	The fibrillar collagens, collagen VIII, collagen X and the C1q complement proteins share a similar domain in their C-terminal non-collagenous regions. <i>FEBS Letters</i> , 1992, 303, 126-128.	2.8	76
42	Secondary and tertiary structures involving chondroitin and chondroitin sulphates in solution, investigated by rotary shadowing/electron microscopy and computer simulation. <i>FEBS Journal</i> , 1992, 209, 675-680.	0.2	71
43	A study of parallel molecular dynamics algorithms for N-body simulations on a transputer system. <i>Parallel Computing</i> , 1990, 14, 211-222.	2.1	13
44	Simulations of the onset of diffusion in a flux-line lattice in a random potential. <i>Physical Review B</i> , 1990, 41, 6394-6398.	3.2	71
45	Models of flux pinning in the quasistatic limit. <i>Physical Review B</i> , 1989, 39, 102-116.	3.2	62
46	Statistics and flux in two dimensions. <i>Physical Review Letters</i> , 1989, 63, 2291-2294.	7.8	71
47	Superconductive pairing of fermions and semions in two dimensions. <i>Physical Review Letters</i> , 1989, 63, 2295-2298.	7.8	67
48	Computer simulations of flux pinning and flux flow in two dimensions. <i>Cryogenics</i> , 1989, 29, 367-372.	1.7	19
49	On the threshold pinning force in type II superconducting films. <i>Journal of Low Temperature Physics</i> , 1989, 74, 293-318.	1.4	64
50	Algorithm for computer simulations of flux-lattice melting in type-II superconductors. <i>Physical Review B</i> , 1989, 39, 9587-9590.	3.2	50
51	Lattice deformations and plastic flow through bottlenecks in a two-dimensional model for flux pinning in type-II superconductors. <i>Physical Review Letters</i> , 1988, 60, 1676-1679.	7.8	183
52	Current-voltage characteristics in a two-dimensional model for flux flow in type-II superconductors. <i>Physical Review B</i> , 1988, 38, 9235-9237.	3.2	79
53	Two and three dimensional FFTs on highly parallel computers. <i>Parallel Computing</i> , 1986, 3, 167-184.	2.1	23