

Corey T Watson

List of Publications by Year in descending order

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Version: 2024-02-01

72
papers

4,569
citations

147726

31
h-index

123376

61
g-index

93
all docs

93
docs citations

93
times ranked

7665
citing authors

#	ARTICLE	IF	CITATIONS
1	T cell receptor beta germline variability is revealed by inference from repertoire data. <i>Genome Medicine</i> , 2022, 14, 2.	3.6	24
2	The induction of peripheral trained immunity in the pancreas incites anti-tumor activity to control pancreatic cancer progression. <i>Nature Communications</i> , 2022, 13, 759.	5.8	30
3	Variations in antibody repertoires correlate with vaccine responses. <i>Genome Research</i> , 2022, 32, 791-804.	2.4	7
4	Igh Locus Polymorphism May Dictate Topological Chromatin Conformation and V Gene Usage in the Ig Repertoire. <i>Frontiers in Immunology</i> , 2021, 12, 682589.	2.2	13
5	Diversity in immunogenomics: the value and the challenge. <i>Nature Methods</i> , 2021, 18, 588-591.	9.0	40
6	A specific low-density neutrophil population correlates with hypercoagulation and disease severity in hospitalized COVID-19 patients. <i>JCI Insight</i> , 2021, 6, .	2.3	79
7	Vaccine genetics of IGHV1-2 VRC01-class broadly neutralizing antibody precursor na ⁺ ve human B cells. <i>Npj Vaccines</i> , 2021, 6, 113.	2.9	40
8	Tumor-derived exosomes drive immunosuppressive macrophages in a pre-metastatic niche through glycolytic dominant metabolic reprogramming. <i>Cell Metabolism</i> , 2021, 33, 2040-2058.e10.	7.2	200
9	Integrin CD11b Negatively Regulates B Cell Receptor Signaling to Shape Humoral Response during Immunization and Autoimmunity. <i>Journal of Immunology</i> , 2021, 207, 1785-1797.	0.4	2
10	Commentary on Population matched (pm) germline allelic variants of immunoglobulin (IG) loci: relevance in infectious diseases and vaccination studies in human populations. <i>Genes and Immunity</i> , 2021, 22, 335-338.	2.2	18
11	Limitations of lymphoblastoid cell lines for establishing genetic reference datasets in the immunoglobulin loci. <i>PLoS ONE</i> , 2021, 16, e0261374.	1.1	4
12	OGRDB: a reference database of inferred immune receptor genes. <i>Nucleic Acids Research</i> , 2020, 48, D964-D970.	6.5	30
13	VDJbase: an adaptive immune receptor genotype and haplotype database. <i>Nucleic Acids Research</i> , 2020, 48, D1051-D1056.	6.5	39
14	Dual transcriptomic and epigenomic study of reaction severity in peanut-allergic children. <i>Journal of Allergy and Clinical Immunology</i> , 2020, 145, 1219-1230.	1.5	44
15	A Novel Framework for Characterizing Genomic Haplotype Diversity in the Human Immunoglobulin Heavy Chain Locus. <i>Frontiers in Immunology</i> , 2020, 11, 2136.	2.2	54
16	Gut Microbiota Composition Modulates the Magnitude and Quality of Germinal Centers during Plasmodium Infections. <i>Cell Reports</i> , 2020, 33, 108503.	2.9	16
17	Germline immunoglobulin genes: Disease susceptibility genes hidden in plain sight?. <i>Current Opinion in Systems Biology</i> , 2020, 24, 100-108.	1.3	31
18	The ADC API: A Web API for the Programmatic Query of the AIRR Data Commons. <i>Frontiers in Big Data</i> , 2020, 3, 22.	1.8	24

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19	A Potently Neutralizing Antibody Protects Mice against SARS-CoV-2 Infection. <i>Journal of Immunology</i> , 2020, 205, 915-922.	0.4	186
20	Genotyping and Copy Number Analysis of Immunoglobulin Heavy Chain Variable Genes Using Long Reads. <i>IScience</i> , 2020, 23, 100883.	1.9	15
21	“Epic-Genetics”: An exploration of preservice helping professionals’ (mis)understanding of epigenetic influences on human development. <i>Teaching and Learning Inquiry</i> , 2020, 8, 122-137.	0.5	0
22	A comparison of immunoglobulin <i>IGHV</i> , <i>IGHD</i> and <i>IGHJ</i> genes in wild-derived and classical inbred mouse strains. <i>Immunology and Cell Biology</i> , 2019, 97, 888-901.	1.0	25
23	Fumarates target the metabolic-epigenetic interplay of brain-homing T cells in multiple sclerosis. <i>Brain</i> , 2019, 142, 647-661.	3.7	22
24	Slow Delivery Immunization Enhances HIV Neutralizing Antibody and Germinal Center Responses via Modulation of Immunodominance. <i>Cell</i> , 2019, 177, 1153-1171.e28.	13.5	293
25	Identification of Subject-Specific Immunoglobulin Alleles From Expressed Repertoire Sequencing Data. <i>Frontiers in Immunology</i> , 2019, 10, 129.	2.2	67
26	Inferred Allelic Variants of Immunoglobulin Receptor Genes: A System for Their Evaluation, Documentation, and Naming. <i>Frontiers in Immunology</i> , 2019, 10, 435.	2.2	63
27	Body Mass Index in Multiple Sclerosis modulates ceramide-induced DNA methylation and disease course. <i>EBioMedicine</i> , 2019, 43, 392-410.	2.7	36
28	Proteomic Analysis Reveals Novel Mechanisms by Which Polychlorinated Biphenyls Compromise the Liver Promoting Diet-Induced Steatohepatitis. <i>Journal of Proteome Research</i> , 2019, 18, 1582-1594.	1.8	19
29	A Proposed New Nomenclature for the Immunoglobulin Genes of <i>Mus musculus</i> . <i>Frontiers in Immunology</i> , 2019, 10, 2961.	2.2	5
30	Hepatic signalling disruption by pollutant Polychlorinated biphenyls in steatohepatitis. <i>Cellular Signalling</i> , 2019, 53, 132-139.	1.7	15
31	Immunoglobulin Light Chain Gene Rearrangements, Receptor Editing and the Development of a Self-Tolerant Antibody Repertoire. <i>Frontiers in Immunology</i> , 2018, 9, 2249.	2.2	64
32	A survey of inter-individual variation in DNA methylation identifies environmentally responsive co-regulated networks of epigenetic variation in the human genome. <i>PLoS Genetics</i> , 2018, 14, e1007707.	1.5	65
33	Identification of rare de novo epigenetic variations in congenital disorders. <i>Nature Communications</i> , 2018, 9, 2064.	5.8	82
34	Establishing Best Practices for Effective Online Learning Modules: a Single Institution Study. <i>Medical Science Educator</i> , 2018, 28, 683-691.	0.7	2
35	Comment on “A Database of Human Immune Receptor Alleles Recovered from Population Sequencing Data”: <i>Journal of Immunology</i> , 2017, 198, 3371-3373.	0.4	46
36	The Individual and Population Genetics of Antibody Immunity. <i>Trends in Immunology</i> , 2017, 38, 459-470.	2.9	134

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37	Analysis of Serial Peripheral Blood Transcriptomes from Peanut Allergic Children Undergoing Double-blind, Placebo-controlled Oral Food Challenges Reveals Key Drivers of the Acute Allergic Response to Peanut. <i>Journal of Allergy and Clinical Immunology</i> , 2017, 139, AB189.	1.5	0
38	Common genetic variants in the immunoglobulin heavy chain locus and their differential impact on group A streptococcal disease susceptibility: a comparative meta-analysis of genetic susceptibility studies. <i>Lancet, The</i> , 2017, 389, S76.	6.3	0
39	Adaptive Immune Receptor Repertoire Community recommendations for sharing immune-repertoire sequencing data. <i>Nature Immunology</i> , 2017, 18, 1274-1278.	7.0	163
40	Integrative transcriptomic analysis reveals key drivers of acute peanut allergic reactions. <i>Nature Communications</i> , 2017, 8, 1943.	5.8	64
41	Genomic Environment Impacts Color Vision Evolution in a Family with Visually Based Sexual Selection. <i>Genome Biology and Evolution</i> , 2017, 9, 3100-3107.	1.1	16
42	Reproducibility and Reuse of Adaptive Immune Receptor Repertoire Data. <i>Frontiers in Immunology</i> , 2017, 8, 1418.	2.2	102
43	Using High-Throughput Sequencing to Characterize the Development of the Antibody Repertoire During Infections: A Case Study of HIV-1. <i>Advances in Experimental Medicine and Biology</i> , 2017, 1053, 245-263.	0.8	4
44	IGHV1-69 polymorphism modulates anti-influenza antibody repertoires, correlates with IGHV utilization shifts and varies by ethnicity. <i>Scientific Reports</i> , 2016, 6, 20842.	1.6	167
45	DNA Methylation Profiling of Uniparental Disomy Subjects Provides a Map of Parental Epigenetic Bias in the Human Genome. <i>American Journal of Human Genetics</i> , 2016, 99, 555-566.	2.6	66
46	Genome-wide DNA methylation profiling in the superior temporal gyrus reveals epigenetic signatures associated with Alzheimer's disease. <i>Genome Medicine</i> , 2016, 8, 5.	3.6	163
47	Genome-Wide DNA Methylation Profiling Reveals Epigenetic Changes in the Rat Nucleus Accumbens Associated With Cross-Generational Effects of Adolescent THC Exposure. <i>Neuropsychopharmacology</i> , 2015, 40, 2993-3005.	2.8	143
48	Sequencing of the human IG light chain loci from a hydatidiform mole BAC library reveals locus-specific signatures of genetic diversity. <i>Genes and Immunity</i> , 2015, 16, 24-34.	2.2	43
49	DNase hypersensitive sites and association with multiple sclerosis. <i>Human Molecular Genetics</i> , 2014, 23, 942-948.	1.4	21
50	DNA methylation profiling in X;autosome translocations supports a role for L1 repeats in the spread of X chromosome inactivation. <i>Human Molecular Genetics</i> , 2014, 23, 1224-1236.	1.4	43
51	The Genetics of Microdeletion and Microduplication Syndromes: An Update. <i>Annual Review of Genomics and Human Genetics</i> , 2014, 15, 215-244.	2.5	145
52	Complete Haplotype Sequence of the Human Immunoglobulin Heavy-Chain Variable, Diversity, and Joining Genes and Characterization of Allelic and Copy-Number Variation. <i>American Journal of Human Genetics</i> , 2013, 92, 530-546.	2.6	223
53	HYBRIDIZATION LEADS TO SENSORY REPERTOIRE EXPANSION IN A GYNOGENETIC FISH, THE AMAZON MOLLY (<i>POECILIA FORMOSA</i>): A TEST OF THE HYBRID-SENSORY EXPANSION HYPOTHESIS. <i>Evolution; International Journal of Organic Evolution</i> , 2013, 67, 120-130.	1.1	16
54	Month of Birth and Thymic Output. <i>JAMA Neurology</i> , 2013, 70, 527.	4.5	19

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55	Comment on "Genomic Hypomethylation in the Human Germline Associates with Selective Structural Mutability in the Human Genome". PLoS Genetics, 2013, 9, e1003332.	1.5	3
56	Estimating the proportion of variation in susceptibility to multiple sclerosis captured by common SNPs. Scientific Reports, 2012, 2, 770.	1.6	16
57	Vitamin D receptor binding, chromatin states and association with multiple sclerosis. Human Molecular Genetics, 2012, 21, 3575-3586.	1.4	50
58	Age-Associated Hyper-Methylated Regions in the Human Brain Overlap with Bivalent Chromatin Domains. PLoS ONE, 2012, 7, e43840.	1.1	18
59	The immunoglobulin heavy chain locus: genetic variation, missing data, and implications for human disease. Genes and Immunity, 2012, 13, 363-373.	2.2	179
60	Phosphatidylinositol synthase is required for lens structural integrity and photoreceptor cell survival in the zebrafish eye. Experimental Eye Research, 2011, 93, 460-474.	1.2	16
61	Revisiting the T-cell receptor alpha/delta locus and possible associations with multiple sclerosis. Genes and Immunity, 2011, 12, 59-66.	2.2	9
62	Regulatory function of conserved sequences upstream of the long-wave sensitive opsin genes in teleost fishes. Vision Research, 2011, 51, 2295-2303.	0.7	9
63	Gene Duplication and Divergence of Long Wavelength-Sensitive Opsin Genes in the Guppy, <i>Poecilia reticulata</i> . Journal of Molecular Evolution, 2011, 72, 240-252.	0.8	47
64	IGHV4-39 deletion polymorphism does not associate with risk or outcome of multiple sclerosis. Journal of Neuroimmunology, 2010, 225, 164-166.	1.1	5
65	Genomic organization of duplicated short wave-sensitive and long wave-sensitive opsin genes in the green swordtail, <i>Xiphophorus helleri</i> . BMC Evolutionary Biology, 2010, 10, 87.	3.2	32
66	A ChIP-seq defined genome-wide map of vitamin D receptor binding: Associations with disease and evolution. Genome Research, 2010, 20, 1352-1360.	2.4	737
67	The Effect of Single Nucleotide Polymorphisms from Genome Wide Association Studies in Multiple Sclerosis on Gene Expression. PLoS ONE, 2010, 5, e10142.	1.1	32
68	Mechanisms Underlying Metabolic and Neural Defects in Zebrafish and Human Multiple Acyl-CoA Dehydrogenase Deficiency (MADD). PLoS ONE, 2009, 4, e8329.	1.1	52
69	Tree-Guided Construction of Antibody Repertoires and Its Applications to CDR Annotation. SSRN Electronic Journal, 0, , .	0.4	0
70	Tumor-Derived Exosomes Drive Immunosuppressive Macrophages in a Pre-Metastatic Niche Through NF-Kb Dependent Glycolytic Metabolic Reprogramming. SSRN Electronic Journal, 0, , .	0.4	1
71	A BALB/c IGHV Reference Set, Defined by Haplotype Analysis of Long-Read VDJ-C Sequences From F1 (BALB/c x C57BL/6) Mice. Frontiers in Immunology, 0, 13, .	2.2	7
72	Immunoglobulin genes, reproductive isolation and vertebrate speciation. Immunology and Cell Biology, 0, , .	1.0	3