

Christian Cole

List of Publications by Year in descending order

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34
papers

6,000
citations

331670

21
h-index

395702

33
g-index

41
all docs

41
docs citations

41
times ranked

13281
citing authors

#	ARTICLE	IF	CITATIONS
1	JPred4: a protein secondary structure prediction server. <i>Nucleic Acids Research</i> , 2015, 43, W389-W394.	14.5	1,546
2	The Jpred 3 secondary structure prediction server. <i>Nucleic Acids Research</i> , 2008, 36, W197-W201.	14.5	1,308
3	How many biological replicates are needed in an RNA-seq experiment and which differential expression tool should you use?. <i>Rna</i> , 2016, 22, 839-851.	3.5	622
4	Filtering of deep sequencing data reveals the existence of abundant Dicer-dependent small RNAs derived from tRNAs. <i>Rna</i> , 2009, 15, 2147-2160.	3.5	525
5	System-Wide Changes to SUMO Modifications in Response to Heat Shock. <i>Science Signaling</i> , 2009, 2, ra24.	3.6	415
6	Regulation of the miR-212/132 locus by MSK1 and CREB in response to neurotrophins. <i>Biochemical Journal</i> , 2010, 428, 281-291.	3.7	195
7	14-3-3-Pred: improved methods to predict 14-3-3-binding phosphopeptides. <i>Bioinformatics</i> , 2015, 31, 2276-2283.	4.1	177
8	Direct sequencing of <i>Arabidopsis thaliana</i> RNA reveals patterns of cleavage and polyadenylation. <i>Nature Structural and Molecular Biology</i> , 2012, 19, 845-852.	8.2	142
9	Tmem79/Matt is the matted mouse gene and is a predisposing gene for atopic dermatitis in human subjects. <i>Journal of Allergy and Clinical Immunology</i> , 2013, 132, 1121-1129.	2.9	135
10	Filaggrin-stratified transcriptomic analysis of pediatric skin identifies mechanistic pathways in patients with atopic dermatitis. <i>Journal of Allergy and Clinical Immunology</i> , 2014, 134, 82-91.	2.9	118
11	Severe dermatitis, multiple allergies, and metabolic wasting syndrome caused by a novel mutation in the N-terminal plakin domain of desmoplakin. <i>Journal of Allergy and Clinical Immunology</i> , 2015, 136, 1268-1276.	2.9	103
12	Haploinsufficiency for AAGAB causes clinically heterogeneous forms of punctate palmoplantar keratoderma. <i>Nature Genetics</i> , 2012, 44, 1272-1276.	21.4	78
13	Statistical models for RNA-seq data derived from a two-condition 48-replicate experiment. <i>Bioinformatics</i> , 2015, 31, 3625-3630.	4.1	76
14	Side-chain conformational entropy at protein-protein interfaces. <i>Protein Science</i> , 2009, 11, 2860-2870.	7.6	71
15	Transcription Termination and Chimeric RNA Formation Controlled by <i>Arabidopsis thaliana</i> FPA. <i>PLoS Genetics</i> , 2013, 9, e1003867.	3.5	67
16	A Proteomic Approach to Analyze the Aspirin-mediated Lysine Acetylome. <i>Molecular and Cellular Proteomics</i> , 2017, 16, 310-326.	3.8	45
17	Potential Tumor-Selective Nitroimidazolymethyluracil Prodrug Derivatives: Inhibitors of the Angiogenic Enzyme Thymidine Phosphorylase. <i>Journal of Medicinal Chemistry</i> , 2003, 46, 207-209.	6.4	44
18	Aminoimidazolymethyluracil Analogues as Potent Inhibitors of Thymidine Phosphorylase and Their Bioreductive Nitroimidazolyl Prodrugs. <i>Journal of Medicinal Chemistry</i> , 2005, 48, 392-402.	6.4	43

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19	A mechanistic target of rapamycin complex 1/2 (mTORC1)/V-Akt murine thymoma viral oncogene homolog 1 (AKT1)/cathepsin H axis controls filaggrin expression and processing in skin, a novel mechanism for skin barrier disruption in patients with atopic dermatitis. <i>Journal of Allergy and Clinical Immunology</i> , 2017, 139, 1228-1241.	2.9	38
20	Loss-of-Function Mutations in CAST Cause Peeling Skin, Leukonychia, Acral Punctate Keratoses, Cheilitis, and Knuckle Pads. <i>American Journal of Human Genetics</i> , 2015, 96, 440-447.	6.2	36
21	Improved Annotation of 3' UTRs and Complex Loci by Combination of Strand-Specific Direct RNA Sequencing, RNA-Seq and ESTs. <i>PLoS ONE</i> , 2014, 9, e94270.	2.5	27
22	Expanding the Phenotypic Spectrum of Olmsted Syndrome. <i>Journal of Investigative Dermatology</i> , 2015, 135, 2879-2883.	0.7	23
23	EMSY expression affects multiple components of the skin barrier with relevance to atopic dermatitis. <i>Journal of Allergy and Clinical Immunology</i> , 2019, 144, 470-481.	2.9	23
24	Keratin 12 missense mutation induces the unfolded protein response and apoptosis in Meesmann epithelial corneal dystrophy. <i>Human Molecular Genetics</i> , 2016, 25, 1176-1191.	2.9	22
25	Adenylate cyclase A acting on PKA mediates induction of stalk formation by cyclic diguanylate at the <i>Dictyostelium</i> organizer. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017, 114, 516-521.	7.1	22
26	3-Substituted-5-aziridinyl-1-methylindole-4,7-diones as NQO1-directed antitumour agents: mechanism of activation and cytotoxicity in vitro. <i>Biochemical Pharmacology</i> , 2003, 66, 1199-1206.	4.4	16
27	Reviewing Research Trends – A Scientometric Approach Using Gunshot Residue (GSR) Literature as an Example. <i>Publications</i> , 2020, 8, 7.	3.8	9
28	Improved annotation with de novo transcriptome assembly in four social amoeba species. <i>BMC Genomics</i> , 2017, 18, 120.	2.8	7
29	AlmostSignificant: simplifying quality control of high-throughput sequencing data. <i>Bioinformatics</i> , 2016, 32, 3850-3851.	4.1	6
30	A National Network of Safe Havens: Scottish Perspective. <i>Journal of Medical Internet Research</i> , 2022, 24, e31684.	4.3	6
31	Research trends in forensic science: A scientometric approach to analyze the content of the INTERPOL reviews. <i>Wiley Interdisciplinary Reviews Forensic Science</i> , 2022, 4, e1447.	2.1	5
32	A Dictyostelium SH2 adaptor protein required for correct DIF-1 signaling and pattern formation. <i>Developmental Biology</i> , 2011, 353, 290-301.	2.0	3
33	Creation of a universal experimental protocol for the investigation of transfer and persistence of trace evidence: Part 1 - From design to implementation for particulate evidence. <i>Forensic Science International (Online)</i> , 2021, 3, 100165.	1.3	1
34	Creation of a universal experimental protocol for the investigation of transfer and persistence of trace evidence: Part 2 – Implementation and preliminary data. <i>Forensic Science International (Online)</i> , 2021, 3, 100164.	1.3	0