

Rajeev Aurora

List of Publications by Year in descending order

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Version: 2024-02-01

56
papers

3,927
citations

159585

30
h-index

168389

53
g-index

56
all docs

56
docs citations

56
times ranked

4783
citing authors

#	ARTICLE	IF	CITATIONS
1	Helix capping. <i>Protein Science</i> , 1998, 7, 21-38.	7.6	674
2	Crystal structure of the Oct-1 POU domain bound to an octamer site: DNA recognition with tethered DNA-binding modules. <i>Cell</i> , 1994, 77, 21-32.	28.9	496
3	Rules for alpha-helix termination by glycine. <i>Science</i> , 1994, 264, 1126-1130.	12.6	288
4	Global transcriptomic analysis of <i>Cyanothece</i> 51142 reveals robust diurnal oscillation of central metabolic processes. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2008, 105, 6156-6161.	7.1	162
5	Critical Roles of Bacterioferritins in Iron Storage and Proliferation of Cyanobacteria. <i>Plant Physiology</i> , 2004, 135, 1666-1673.	4.8	149
6	The solution structure of the Oct-1 POU-specific domain reveals a striking similarity to the bacteriophage λ repressor DNA-binding domain. <i>Cell</i> , 1993, 73, 193-205.	28.9	144
7	The genome of <i>Cyanothece</i> 51142, a unicellular diazotrophic cyanobacterium important in the marine nitrogen cycle. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2008, 105, 15094-15099.	7.1	144
8	Contrasting the Microbiomes From Healthy Volunteers and Patients With Chronic Rhinosinusitis. <i>JAMA Otolaryngology - Head and Neck Surgery</i> , 2013, 139, 1328.	2.2	139
9	Local Interactions in Protein Folding: Lessons from the α -Helix. <i>Journal of Biological Chemistry</i> , 1997, 272, 1413-1416.	3.4	136
10	Pretreatment Sequence Diversity Differences in the Full-Length Hepatitis C Virus Open Reading Frame Correlate with Early Response to Therapy. <i>Journal of Virology</i> , 2007, 81, 8211-8224.	3.4	106
11	A protein taxonomy based on secondary structure. <i>Nature Structural Biology</i> , 1999, 6, 672-682.	9.7	105
12	The Hepatitis B Virus Ribonuclease H Is Sensitive to Inhibitors of the Human Immunodeficiency Virus Ribonuclease H and Integrase Enzymes. <i>PLoS Pathogens</i> , 2013, 9, e1003125.	4.7	96
13	Cross-Presentation by Osteoclasts Induces FoxP3 in CD8+ T Cells. <i>Journal of Immunology</i> , 2009, 182, 5477-5487.	0.8	92
14	Integration of Carbon and Nitrogen Metabolism with Energy Production Is Crucial to Light Acclimation in the Cyanobacterium <i>Synechocystis</i> Δ Δ . <i>Plant Physiology</i> , 2008, 148, 467-478.	4.8	83
15	Genome-wide hepatitis C virus amino acid covariance networks can predict response to antiviral therapy in humans. <i>Journal of Clinical Investigation</i> , 2008, 119, 225-36.	8.2	76
16	A Systems-Level Analysis of the Effects of Light Quality on the Metabolism of a Cyanobacterium Δ Δ . <i>Plant Physiology</i> , 2009, 151, 1596-1608.	4.8	66
17	Osteoclast Activated FoxP3+ CD8+ T-Cells Suppress Bone Resorption in vitro. <i>PLoS ONE</i> , 2012, 7, e38199.	2.5	66
18	Variation in chromosome copy number influences the virulence of <i>Cryptococcus neoformans</i> and occurs in isolates from AIDS patients. <i>BMC Genomics</i> , 2011, 12, 526.	2.8	62

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19	Global Transcriptome Profile of <i>Cryptococcus neoformans</i> during Exposure to Hydrogen Peroxide Induced Oxidative Stress. <i>PLoS ONE</i> , 2013, 8, e55110.	2.5	61
20	T-Cell Mediated Inflammation in Postmenopausal Osteoporosis. <i>Frontiers in Immunology</i> , 2021, 12, 687551.	4.8	59
21	Ovariectomy Activates Chronic Low-Grade Inflammation Mediated by Memory T Cells, Which Promotes Osteoporosis in Mice. <i>Journal of Bone and Mineral Research</i> , 2020, 35, 1174-1187.	2.8	50
22	Hepatitis C Virus Diversity and Evolution in the Full Open-Reading Frame during Antiviral Therapy. <i>PLoS ONE</i> , 2008, 3, e2123.	2.5	45
23	Seeking an ancient enzyme in <i>Methanococcus jannaschii</i> using ORF, a program based on predicted secondary structure comparisons. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1998, 95, 2818-2823.	7.1	44
24	Osteoclast-induced Foxp3+ CD8 T-cells limit bone loss in mice. <i>Bone</i> , 2013, 56, 163-173.	2.9	44
25	Identifying two ancient enzymes in Archaea using predicted secondary structure alignment. <i>Nature Structural Biology</i> , 1999, 6, 750-754.	9.7	42
26	Hydrophobic Interactions at the Ccap Position of the C-capping Motif of α -Helices. <i>Journal of Molecular Biology</i> , 2002, 322, 123-135.	4.2	41
27	A Systematic Review of the Sinonasal Microbiome in Chronic Rhinosinusitis. <i>American Journal of Rhinology and Allergy</i> , 2016, 30, 161-166.	2.0	39
28	Control of Cellular Bcl-xL Levels by Deamidation-Regulated Degradation. <i>PLoS Biology</i> , 2013, 11, e1001588.	5.6	36
29	Bitter Melon Prevents the Development of 4-NQO-Induced Oral Squamous Cell Carcinoma in an Immunocompetent Mouse Model by Modulating Immune Signaling. <i>Cancer Prevention Research</i> , 2018, 11, 191-202.	1.5	35
30	Contribution of Genome-Wide HCV Genetic Differences to Outcome of Interferon-Based Therapy in Caucasian American and African American Patients. <i>PLoS ONE</i> , 2010, 5, e9032.	2.5	34
31	Osteoclast-Primed Foxp3+ CD8 T Cells Induce T-bet, Eomesodermin, and IFN- γ To Regulate Bone Resorption. <i>Journal of Immunology</i> , 2016, 197, 726-735.	0.8	28
32	A Bone Anabolic Effect of RANKL in a Murine Model of Osteoporosis Mediated Through FoxP3+ CD8 T Cells. <i>Journal of Bone and Mineral Research</i> , 2015, 30, 1508-1522.	2.8	27
33	Identification of glutathione adducts of α -chlorofatty aldehydes produced in activated neutrophils. <i>Journal of Lipid Research</i> , 2015, 56, 1014-1024.	4.2	27
34	Systems level analysis of osteoclastogenesis reveals intrinsic and extrinsic regulatory interactions. <i>Developmental Dynamics</i> , 2007, 236, 2181-2197.	1.8	26
35	Patients with Pediatric Obstructive Sleep Apnea Show Altered T-Cell Populations with a Dominant T _H 17 Profile. <i>Otolaryngology - Head and Neck Surgery</i> , 2014, 150, 880-886.	1.9	20
36	Transcriptome sequencing and development of an expression microarray platform for liver infection in adenovirus type 5-infected Syrian golden hamsters. <i>Virology</i> , 2015, 485, 305-312.	2.4	20

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37	Osteoclasts and CD8 T Cells Form a Negative Feedback Loop That Contributes to Homeostasis of Both the Skeletal and Immune Systems. <i>Clinical and Developmental Immunology</i> , 2013, 2013, 1-9.	3.3	19
38	Rapid hepatitis C virus clearance by antivirals correlates with immune status of infected patients. <i>Journal of Medical Virology</i> , 2019, 91, 411-418.	5.0	19
39	Mitochondrial DNA Mutations May Contribute to Aging Via Cell Death Caused by Peptides that Induce Cytochrome <i>c</i> Release. <i>Rejuvenation Research</i> , 2008, 11, 611-619.	1.8	17
40	Genome-Wide Networks of Amino Acid Covariances Are Common among Viruses. <i>Journal of Virology</i> , 2012, 86, 3050-3063.	3.4	17
41	The lysosomal enzyme receptor protein (LERP) is not essential, but is implicated in lysosomal function in <i>Drosophila melanogaster</i> . <i>Biology Open</i> , 2015, 4, 1316-1325.	1.2	17
42	A Network of Genes Regulated by Light in Cyanobacteria. <i>OMICS A Journal of Integrative Biology</i> , 2007, 11, 166-185.	2.0	12
43	Pulsed low-dose RANKL as a potential therapeutic for postmenopausal osteoporosis. <i>JCI Insight</i> , 2016, 1, .	5.0	11
44	Prospects for personalizing antiviral therapy for hepatitis C virus with pharmacogenetics. <i>Genome Medicine</i> , 2011, 3, 8.	8.2	10
45	Modulators of cancer cell invasiveness. <i>Journal of Cellular Biochemistry</i> , 2010, 111, 791-796.	2.6	9
46	Conditional Activation of NF- κ B Inducing Kinase (NIK) in the Osteolineage Enhances Both Basal and Loading-Induced Bone Formation. <i>Journal of Bone and Mineral Research</i> , 2019, 34, 2087-2100.	2.8	9
47	Manganese transport and its regulation in bacteria. <i>Biochemical Society Transactions</i> , 2002, 30, 768-771.	3.4	7
48	Type I Phosphatidylinositol 4-Phosphate 5-Kinase \hat{I}^3 Regulates Osteoclasts in a Bifunctional Manner*. <i>Journal of Biological Chemistry</i> , 2013, 288, 5268-5277.	3.4	6
49	1996 Johns Hopkins protein folding meeting. <i>Proteins: Structure, Function and Bioinformatics</i> , 1996, 25, i-iv.	2.6	3
50	From reductionist to constructionist, but only if we integrate. <i>Trends in Biotechnology</i> , 1999, 17, 37-39.	9.3	3
51	Confounding factors in the effect of gut microbiota on bone density. <i>Rheumatology</i> , 2019, 58, 2089-2090.	1.9	3
52	Osteoporosis: A Multifactorial Disease. , 0, , .		1
53	Pharmacogenomics: What the Doctor Ordered?. <i>Missouri Medicine</i> , 2019, 116, 217-225.	0.3	1
54	Cervicovaginal microbiome in twin versus singleton gestations. <i>American Journal of Obstetrics & Gynecology MFM</i> , 2022, , 100579.	2.6	1

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55	Host Microbiota Contributes to Health and Response to Disease. Missouri Medicine, 2015, 112, 317-22.	0.3	0
56	<i>Response</i> : Possible Exceptions to Rules for $\hat{\pm}$ -Helix Termination by Glycine. Science, 1995, 269, 1451-1452.	12.6	0