

Chander Raman

List of Publications by Year in descending order

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Version: 2024-02-01

42
papers

2,079
citations

279798

23
h-index

276875

41
g-index

43
all docs

43
docs citations

43
times ranked

2940
citing authors

#	ARTICLE	IF	CITATIONS
1	T helper type 1 and 17 cells determine efficacy of interferon- $\hat{2}$ in multiple sclerosis and experimental encephalomyelitis. <i>Nature Medicine</i> , 2010, 16, 406-412.	30.7	509
2	Neutrophil-Derived S100A8/A9 Amplify Granulopoiesis After Myocardial Infarction. <i>Circulation</i> , 2020, 141, 1080-1094.	1.6	155
3	Photoprotective Properties of Vitamin D and Lumisterol Hydroxyderivatives. <i>Cell Biochemistry and Biophysics</i> , 2020, 78, 165-180.	1.8	113
4	Melanoma, Melanin, and Melanogenesis: The Yin and Yang Relationship. <i>Frontiers in Oncology</i> , 2022, 12, 842496.	2.8	99
5	Extra-adrenal glucocorticoid biosynthesis: implications for autoimmune and inflammatory disorders. <i>Genes and Immunity</i> , 2020, 21, 150-168.	4.1	93
6	Type I Interferons: Beneficial in Th1 and Detrimental in Th17 Autoimmunity. <i>Clinical Reviews in Allergy and Immunology</i> , 2013, 44, 114-120.	6.5	90
7	CD5-CK2 Binding/Activation-Deficient Mice Are Resistant to Experimental Autoimmune Encephalomyelitis: Protection Is Associated with Diminished Populations of IL-17-Expressing T Cells in the Central Nervous System. <i>Journal of Immunology</i> , 2006, 177, 8542-8549.	0.8	89
8	Regulation of Casein Kinase 2 by Direct Interaction with Cell Surface Receptor CD5. <i>Journal of Biological Chemistry</i> , 1998, 273, 19183-19189.	3.4	81
9	Inhibition of System Xc ⁺ Transporter Attenuates Autoimmune Inflammatory Demyelination. <i>Journal of Immunology</i> , 2015, 195, 450-463.	0.8	67
10	The immunomodulatory properties of the CD5 lymphocyte receptor in health and disease. <i>Current Opinion in Immunology</i> , 2011, 23, 310-318.	5.5	66
11	Vitamin D and lumisterol derivatives can act on liver X receptors (LXRs). <i>Scientific Reports</i> , 2021, 11, 8002.	3.3	60
12	COVID-19 and Vitamin D: A lesson from the skin. <i>Experimental Dermatology</i> , 2020, 29, 885-890.	2.9	53
13	Cutting Edge: Critical Role for CD5 in Experimental Autoimmune Encephalomyelitis: Inhibition of Engagement Reverses Disease in Mice. <i>Journal of Immunology</i> , 2004, 173, 2928-2932.	0.8	49
14	CD5, An Important Regulator of Lymphocyte Selection and Immune Tolerance. <i>Immunologic Research</i> , 2002, 26, 255-264.	2.9	48
15	CD5-Dependent CK2 Activation Pathway Regulates Threshold for T Cell Anergy. <i>Journal of Immunology</i> , 2012, 189, 2918-2930.	0.8	45
16	Increased numbers of thymic and peripheral CD4 ⁺ CD25 ⁺ Foxp3 ⁺ cells in the absence of CD5 signaling. <i>European Journal of Immunology</i> , 2009, 39, 2233-2247.	2.9	43
17	Lithium Controls Central Nervous System Autoimmunity through Modulation of IFN- $\hat{3}$ Signaling. <i>PLoS ONE</i> , 2012, 7, e2658.	2.5	41
18	Vitamin D and lumisterol novel metabolites can inhibit SARS-CoV-2 replication machinery enzymes. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2021, 321, E246-E251.	3.5	38

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19	AP2 Adaptor Complex-Dependent Internalization of CD5: Differential Regulation in T and B Cells. <i>Journal of Immunology</i> , 2002, 168, 5612-5620.	0.8	31
20	CYP11A1-derived vitamin D3 products protect against UVB-induced inflammation and promote keratinocytes differentiation. <i>Free Radical Biology and Medicine</i> , 2020, 155, 87-98.	2.9	31
21	Metabolic activation of tachysterol ₃ to biologically active hydroxyderivatives that act on <i>VDR</i> , <i>AhR</i> , <i>LXRs</i> , and <i>PPAR</i> ³ receptors. <i>FASEB Journal</i> , 2022, 36, .	0.5	29
22	CD45 Function Is Regulated by an Acidic 19-Amino Acid Insert in Domain II That Serves as a Binding and Phosphoacceptor Site for Casein Kinase 2. <i>Journal of Immunology</i> , 2001, 166, 7208-7218.	0.8	23
23	CD5 enhances Th17 cell differentiation by regulating IFN γ response and ROR γ t localization. <i>European Journal of Immunology</i> , 2014, 44, 1137-1142.	2.9	23
24	Hydroxylsterols, Photoproducts of Pre-Vitamin D3, Protect Human Keratinocytes against UVB-Induced Damage. <i>International Journal of Molecular Sciences</i> , 2020, 21, 9374.	4.1	23
25	Reply to Jakovac and to Rocha et al.: Can vitamin D prevent or manage COVID-19 illness?. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2020, 319, E455-E457.	3.5	18
26	GSK3 β inhibition restores cortical gamma oscillation and cognitive behavior in a mouse model of NMDA receptor hypofunction relevant to schizophrenia. <i>Neuropsychopharmacology</i> , 2020, 45, 2207-2218.	5.4	17
27	Molecular and structural basis of interactions of vitamin D3 hydroxyderivatives with aryl hydrocarbon receptor (AhR): An integrated experimental and computational study. <i>International Journal of Biological Macromolecules</i> , 2022, 209, 1111-1123.	7.5	17
28	Transgenic Expression of Soluble Human CD5 Enhances Experimentally-Induced Autoimmune and Anti-Tumoral Immune Responses. <i>PLoS ONE</i> , 2014, 9, e84895.	2.5	16
29	Brief Report: Expression of Interferon γ Receptor Genes in Peripheral Blood Mononuclear Cells Is Associated With Rheumatoid Arthritis and Its Radiographic Severity in African Americans. <i>Arthritis and Rheumatology</i> , 2015, 67, 1165-1170.	5.6	16
30	Vitamin D3 and its hydroxyderivatives as promising drugs against COVID-19: a computational study. <i>Journal of Biomolecular Structure and Dynamics</i> , 2022, 40, 11594-11610.	3.5	16
31	CD5-CK2 Signaling Modulates Erk Activation and Thymocyte Survival. <i>PLoS ONE</i> , 2016, 11, e0168155.	2.5	13
32	CD5 on dendritic cells regulates CD4+ and CD8+ T cell activation and induction of immune responses. <i>PLoS ONE</i> , 2019, 14, e0222301.	2.5	12
33	Chemical synthesis, biological activities and action on nuclear receptors of 20S(OH)D3, 20S,25(OH)2D3, 20S,23S(OH)2D3 and 20S,23R(OH)2D3. <i>Bioorganic Chemistry</i> , 2022, 121, 105660.	4.1	10
34	Functional requirement of tyrosine residue 429 within CD5 cytoplasmic domain for regulation of T cell activation and survival. <i>Biochemical and Biophysical Research Communications</i> , 2015, 466, 381-387.	2.1	9
35	Dysregulated follicular regulatory T cells and antibody responses exacerbate experimental autoimmune encephalomyelitis. <i>Journal of Neuroinflammation</i> , 2021, 18, 27.	7.2	9
36	Editorial: Steroids and Secosteroids in the Modulation of Inflammation and Immunity. <i>Frontiers in Immunology</i> , 2021, 12, 825577.	4.8	6

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37	UVB stimulates production of enkephalins and other neuropeptides by skin-resident cells. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	7.1	5
38	Decreased Levels of STAT1 and Interferon- γ -Induced STAT1 Phosphorylation in Rheumatoid Arthritis CD4 and CD8 T Cells. ACR Open Rheumatology, 2021, 3, 277-283.	2.1	5
39	Advances in molecular pathogenesis of hidradenitis suppurativa: Dysregulated keratins and ECM signaling. Seminars in Cell and Developmental Biology, 2022, 128, 120-129.	5.0	5
40	Type I Interferons Enhance the Repair of Ultraviolet Radiation-Induced DNA Damage and Regulate Cutaneous Immune Suppression. International Journal of Molecular Sciences, 2022, 23, 1822.	4.1	4
41	Ex Vivo Culture Models of Hidradenitis Suppurativa for Defining Molecular Pathogenesis and Treatment Efficacy of Novel Drugs. Inflammation, 2022, 45, 1388-1401.	3.8	2
42	CD5 regulates α 1a β cell expansion and selection. FASEB Journal, 2008, 22, 847.4.	0.5	0