

Rohan Dhiman

List of Publications by Year in descending order

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Version: 2024-02-01

52
papers

3,032
citations

331670

21
h-index

206112

48
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52
all docs

52
docs citations

52
times ranked

4007
citing authors

#	ARTICLE	IF	CITATIONS
1	Guidelines for the use and interpretation of assays for monitoring autophagy (4th) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50,742 1,430	9.1	10
2	One pot synthesis of CdS/BiOBr/Bi ₂ O ₂ CO ₃ : A novel ternary double Z-scheme heterostructure photocatalyst for efficient degradation of atrazine. Applied Catalysis B: Environmental, 2020, 260, 118222.	20.2	210
3	IL-22 Produced by Human NK Cells Inhibits Growth of <i>Mycobacterium tuberculosis</i> by Enhancing Phagolysosomal Fusion. Journal of Immunology, 2009, 183, 6639-6645.	0.8	158
4	Structure-function and application of plant lectins in disease biology and immunity. Food and Chemical Toxicology, 2019, 134, 110827.	3.6	117
5	A facile reflux method for <i>in situ</i> fabrication of a non-cytotoxic Bi ₂ S ₃ /Bi ₂ O ₃ /ZnIn ₂ S ₄ ternary photocatalyst: a novel dual Z-scheme system with enhanced multifunctional photocatalytic activity. Journal of Materials Chemistry A, 2020, 8, 21729-21743.	10.3	74
6	Interleukin 22 Inhibits Intracellular Growth of <i>Mycobacterium tuberculosis</i> by Enhancing Calgranulin A Expression. Journal of Infectious Diseases, 2014, 209, 578-587.	4.0	71
7	Facile synthesis and application of CdS/Bi ₂ O ₃ /Bi ₄ Ti ₃ O ₁₂ ternary heterostructure: A synergistic multi-heterojunction photocatalyst for enhanced endosulfan degradation and hydrogen evolution reaction. Applied Catalysis B: Environmental, 2022, 303, 120902.	20.2	70
8	NK1.1+ Cells and IL-22 Regulate Vaccine-Induced Protective Immunity against Challenge with <i>Mycobacterium tuberculosis</i> . Journal of Immunology, 2012, 189, 897-905.	0.8	69
9	Mitochondrial dysfunction as a driver of NLRP3 inflammasome activation and its modulation through mitophagy for potential therapeutics. International Journal of Biochemistry and Cell Biology, 2021, 136, 106013.	2.8	65
10	Programmed Death 1 and Cytokine Inducible SH2-Containing Protein Dependent Expansion of Regulatory T Cells Upon Stimulation With <i>Mycobacterium tuberculosis</i> . Journal of Infectious Diseases, 2011, 203, 1256-1263.	4.0	59
11	Differential expression of NF- κ B in mycobacteria infected THP-1 affects apoptosis. Biochimica Et Biophysica Acta - General Subjects, 2007, 1770, 649-658.	2.4	51
12	Inhibition of bfl-1/A1 by siRNA inhibits mycobacterial growth in THP-1 cells by enhancing phagosomal acidification. Biochimica Et Biophysica Acta - General Subjects, 2008, 1780, 733-742.	2.4	47
13	Phosphorylated STAT3 and PD β 1 regulate IL β 17 production and IL β 23 receptor expression in <i>Mycobacterium tuberculosis</i> infection. European Journal of Immunology, 2014, 44, 2013-2024.	2.9	47
14	Dual Mechanism of Action of 5-Nitro-1,10-Phenanthroline against <i>Mycobacterium tuberculosis</i> . Antimicrobial Agents and Chemotherapy, 2017, 61, .	3.2	38
15	NU-6027 Inhibits Growth of <i>Mycobacterium tuberculosis</i> by Targeting Protein Kinase D and Protein Kinase G. Antimicrobial Agents and Chemotherapy, 2019, 63, .	3.2	34
16	Regulation of epithelial sodium channels in urokinase plasminogen activator deficiency. American Journal of Physiology - Lung Cellular and Molecular Physiology, 2014, 307, L609-L617.	2.9	32
17	Interleukin-21 Regulates Natural Killer Cell Responses During <i>Mycobacterium tuberculosis</i> Infection. Journal of Infectious Diseases, 2018, 217, 1323-1333.	4.0	29
18	Boosting the photocatalytic performance of Bi ₂ Fe ₄ O ₉ through formation of Z-scheme heterostructure with In ₂ S ₃ : Applications towards water decontamination. Chemosphere, 2022, 306, 135600.	8.2	29

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19	Calcimycin mediates mycobacterial killing by inducing intracellular calcium-regulated autophagy in a P2RX7 dependent manner. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2017, 1861, 3190-3200.	2.4	28
20	<i>Paederia foetida</i> induces anticancer activity by modulating chromatin modification enzymes and altering pro-inflammatory cytokine gene expression in human prostate cancer cells. <i>Food and Chemical Toxicology</i> , 2019, 130, 161-173.	3.6	25
21	NKG2D-Dependent IL-17 Production by Human T Cells in Response to an Intracellular Pathogen. <i>Journal of Immunology</i> , 2009, 183, 1940-1945.	0.8	24
22	ESAT-6 modulates Calcimycin-induced autophagy through microRNA-30a in mycobacteria infected macrophages. <i>Journal of Infection</i> , 2019, 79, 139-152.	3.3	24
23	Recent advances for identification of new scaffolds and drug targets for <i>Mycobacterium tuberculosis</i> . <i>IUBMB Life</i> , 2018, 70, 905-916.	3.4	23
24	P2X7 receptor in multifaceted cellular signalling and its relevance as a potential therapeutic target in different diseases. <i>European Journal of Pharmacology</i> , 2021, 906, 174235.	3.5	23
25	Nitric oxide induces apoptosis in cutaneous T cell lymphoma (HuT-78) by downregulating constitutive NF- κ B. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2007, 1770, 1230-1239.	2.4	21
26	Synthesis of hydroxyapatite-zirconia nanocomposite through sonochemical route: A potential catalyst for degradation of phenolic compounds. <i>Journal of Environmental Chemical Engineering</i> , 2018, 6, 6504-6515.	6.7	20
27	NSC 18725, a Pyrazole Derivative Inhibits Growth of Intracellular <i>Mycobacterium tuberculosis</i> by Induction of Autophagy. <i>Frontiers in Microbiology</i> , 2019, 10, 3051.	3.5	20
28	Charged nylon membrane substrate for convenient and versatile high resolution microscopic analysis of <i>Escherichia coli</i> & mammalian cells in suspension culture. <i>Cytotechnology</i> , 2006, 51, 111-117.	1.6	18
29	Solvent free synthesis of ferrocene based rhodamine α hydrazone molecular probe with improved bioaccumulation for sensing and imaging applications. <i>Journal of Organometallic Chemistry</i> , 2019, 904, 120999.	1.8	16
30	Inflammasomes in cancer: Effect of epigenetic and autophagic modulations. <i>Seminars in Cancer Biology</i> , 2020, , .	9.6	15
31	c-Maf α Dependent Growth of <i>Mycobacterium tuberculosis</i> in a CD14 ^{hi} Subpopulation of Monocyte-Derived Macrophages. <i>Journal of Immunology</i> , 2011, 186, 1638-1645.	0.8	14
32	Calcimycin induced IL-12 production inhibits intracellular mycobacterial growth by enhancing autophagy. <i>Cytokine</i> , 2018, 111, 1-12.	3.2	14
33	Ibuprofen-based advanced therapeutics: breaking the inflammatory link in cancer, neurodegeneration, and diseases. <i>Drug Metabolism Reviews</i> , 2021, 53, 100-121.	3.6	14
34	A Rho GDP Dissociation Inhibitor Produced by Apoptotic T-Cells Inhibits Growth of <i>Mycobacterium tuberculosis</i> . <i>PLoS Pathogens</i> , 2015, 11, e1004617.	4.7	11
35	Half sandwich based rhodamine α hydrazone single molecule probe: Light responsive, metal sensing and imaging properties. <i>Applied Organometallic Chemistry</i> , 2018, 32, e4612.	3.5	10
36	Bioactive 1,1'-unsymmetrical bi-functional ferrocenyl compounds using a novel solvent free one pot multicomponent reaction method. <i>Journal of Organometallic Chemistry</i> , 2020, 908, 121095.	1.8	10

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37	Soybean lectin induces autophagy through P2RX7 dependent activation of NF- κ B-ROS pathway to kill intracellular mycobacteria. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2021, 1865, 129806.	2.4	10
38	Relative and Quantitative Phosphoproteome Analysis of Macrophages in Response to Infection by Virulent and Avirulent <i>Mycobacteria</i> Reveals a Distinct Role of the Cytosolic RNA Sensor RIG-I in <i>Mycobacterium tuberculosis</i> Pathogenesis. <i>Journal of Proteome Research</i> , 2020, 19, 2316-2336.	3.7	9
39	LRSAM1 E3 ubiquitin ligase: molecular neurobiological perspectives linked with brain diseases. <i>Cellular and Molecular Life Sciences</i> , 2019, 76, 2093-2110.	5.4	8
40	ESAT-6 impedes IL-18 mediated phagosome lysosome fusion via microRNA-30a upon Calcimycin treatment in mycobacteria infected macrophages. <i>International Immunopharmacology</i> , 2021, 101, 108319.	3.8	8
41	Ubiquitin ligase LRSAM1 suppresses neurodegenerative diseases linked aberrant proteins induced cell death. <i>International Journal of Biochemistry and Cell Biology</i> , 2020, 120, 105697.	2.8	7
42	Rhodamine tethered 1,1'-unsymmetrical ferrocene functionalization: Metal sensing, cell imaging and logic gate properties. <i>Journal of Organometallic Chemistry</i> , 2021, 948, 121922.	1.8	7
43	Synthesis of Ferrocene Tethered Heteroaromatic Compounds Using Solid Supported Reaction Method, their Cytotoxic Evaluation and Fluorescence Behavior.. <i>ChemistrySelect</i> , 2019, 4, 4434-4442.	1.5	5
44	Complex Inclusion Bodies and Defective Proteome Hubs in Neurodegenerative Disease: New Clues, New Challenges. <i>Neuroscientist</i> , 2022, 28, 271-282.	3.5	5
45	Immune modulations and survival strategies of evolved hypervirulent <i>Salmonella Typhimurium</i> strains. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2020, 1864, 129627.	2.4	4
46	Autophagy based cellular physiological strategies target oncogenic progression. <i>Journal of Cellular Physiology</i> , 2021, , .	4.1	4
47	Solid supported synthesis of unsymmetrical bi-functionalized ferrocenyl-rhodaminyl molecular system to explore phosgene, heavy metal ion sensing, and cell imaging properties. <i>Journal of Organometallic Chemistry</i> , 2022, 972, 122369.	1.8	3
48	Prokaryotic Expression, In Vitro Biological Analysis, and In Silico Structural Evaluation of Guinea Pig IL-4. <i>Molecular Biotechnology</i> , 2020, 62, 104-110.	2.4	1
49	miRNAs and Its Regulatory Role on Autophagy in Tumor Microenvironment. , 2020, , 77-101.		1
50	Mycobacterial glycoproteins: Functions and their significance in tuberculosis. , 2021, , 273-299.		0
51	Natural Killer Cells, <i>Mycobacterial Infection</i> . , 2013, , 1492-1495.		0
52	Improper Proteostasis: Can It Serve as Biomarkers for Neurodegenerative Diseases?. <i>Molecular Neurobiology</i> , 2022, , 1.	4.0	0