

# Medha Priyadarshini

## List of Publications by Year in descending order

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49  
papers

1,493  
citations

394286

19  
h-index

345118

36  
g-index

52  
all docs

52  
docs citations

52  
times ranked

3167  
citing authors

#	ARTICLE	IF	CITATIONS
1	Gestational Insulin Resistance Is Mediated by the Gut Microbiomeâ€™s Indoleamine 2,3-Dioxygenase Axis. <i>Gastroenterology</i> , 2022, 162, 1675-1689.e11.	0.6	14
2	FFAR from the Gut Microbiome Crowd: SCFA Receptors in T1D Pathology. <i>Metabolites</i> , 2021, 11, 302.	1.3	9
3	Loss of Intestine-Specific FFA3 Has Protective Effects Against Diet-Induced Obesity and Hyperglycemia in Mice on a Western Diet. <i>Journal of the Endocrine Society</i> , 2021, 5, A441-A441.	0.1	0
4	Fiber Diet-Mediated Increases in Short Chain Fatty Acids Alleviate Western Diet Induced Metabolic Dysfunction. <i>Current Developments in Nutrition</i> , 2021, 5, 1175.	0.1	0
5	Probing the structural interactions between methotrexate and dexamethasone with muscle cystatin: a biophysical study. <i>Journal of Biomolecular Structure and Dynamics</i> , 2020, 38, 2955-2964.	2.0	1
6	Tu1952 DEFINING THE ROLE OF INTESTINE-SPECIFIC FFA2 AND FFA3 IN HORMONAL SECRETION. <i>Gastroenterology</i> , 2020, 158, S-1231.	0.6	0
7	Predictors of HbA1c among Adipocytokine Biomarkers in African-American Men with Varied Glucose Tolerance. <i>Biomedicines</i> , 2020, 8, 520.	1.4	0
8	Microbeâ€™Derived Butyrate and Its Receptor, Free Fatty Acid Receptor 3, But Not Free Fatty Acid Receptor 2, Mitigate Neointimal Hyperplasia Susceptibility After Arterial Injury. <i>Journal of the American Heart Association</i> , 2020, 9, e016235.	1.6	13
9	Free fatty acid receptor 3 differentially contributes to Î²-cell compensation under high-fat diet and streptozotocin stress. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2020, 318, R691-R700.	0.9	13
10	Relationship between Intrinsically Photosensitive Ganglion Cell Function and Circadian Regulation in Diabetic Retinopathy. <i>Scientific Reports</i> , 2020, 10, 1560.	1.6	15
11	Predictors of Obesity among Gut Microbiota Biomarkers in African American Men with and without Diabetes. <i>Microorganisms</i> , 2019, 7, 320.	1.6	27
12	Hepatic hexokinase domain containing 1 (HKDC1) improves whole body glucose tolerance and insulin sensitivity in pregnant mice. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2019, 1865, 678-687.	1.8	21
13	OR31-3 Role of a Novel Short Chain Fatty Acid Receptor OLF78 in Mediating Gluco-metabolic Hormone Secretion. <i>Journal of the Endocrine Society</i> , 2019, 3, .	0.1	1
14	52-OR: Intrinsically Photosensitive Retinal Ganglion Cell Dysfunction in Diabetic Retinopathy Associates with Impaired Sleep and Circadian Rhythms. <i>Diabetes</i> , 2019, 68, 52-OR.	0.3	0
15	Decreased microbial co-occurrence network stability and SCFA receptor level correlates with obesity in African-origin women. <i>Scientific Reports</i> , 2018, 8, 17135.	1.6	42
16	Gut Microbiota: FFAR Reaching Effects on Islets. <i>Endocrinology</i> , 2018, 159, 2495-2505.	1.4	32
17	Role of Short Chain Fatty Acid Receptors in Intestinal Physiology and Pathophysiology. , 2018, 8, 1091-1115.		141
18	Autophagy Differentially Regulates Insulin Production and Insulin Sensitivity. <i>Cell Reports</i> , 2018, 23, 3286-3299.	2.9	102

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19	Homology Modeling of Ffa2 Identifies Novel Agonists that Potentiate Insulin Secretion. <i>Journal of Investigative Medicine</i> , 2017, 65, 1116-1124.	0.7	13
20	Loss of Free Fatty Acid Receptor 2 leads to impaired islet mass and beta cell survival. <i>Scientific Reports</i> , 2016, 6, 28159.	1.6	33
21	SCFA Receptors in Pancreatic $\beta^2$ Cells: Novel Diabetes Targets?. <i>Trends in Endocrinology and Metabolism</i> , 2016, 27, 653-664.	3.1	87
22	HKDC1 Is a Novel Hexokinase Involved in Whole-Body Glucose Use. <i>Endocrinology</i> , 2016, 157, 3452-3461.	1.4	58
23	An Acetate-Specific GPCR, FFAR2, Regulates Insulin Secretion. <i>Molecular Endocrinology</i> , 2015, 29, 1055-1066.	3.7	139
24	FFAR3 modulates insulin secretion and global gene expression in mouse islets. <i>Islets</i> , 2015, 7, e1045182.	0.9	62
25	The short-chain fatty acid receptor, FFA2, contributes to gestational glucose homeostasis. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2015, 309, E840-E851.	1.8	57
26	Differential effects of anti-cancer and anti-hepatitis drugs on liver cystatin. <i>Saudi Journal of Biological Sciences</i> , 2015, 22, 69-74.	1.8	3
27	Maternal short-chain fatty acids are associated with metabolic parameters in mothers and newborns. <i>Translational Research</i> , 2014, 164, 153-157.	2.2	73
28	Gene-environment interactions in heavy metal and pesticide carcinogenesis. <i>Mutation Research - Genetic Toxicology and Environmental Mutagenesis</i> , 2014, 760, 1-9.	0.9	70
29	Oxidative Stress Mediated Mitochondrial and Vascular Lesions as Markers in the Pathogenesis of Alzheimer Disease. <i>Current Medicinal Chemistry</i> , 2014, 21, 2208-2217.	1.2	127
30	Different Conformation of Thiol Protease Inhibitor During Amyloid Formation: Inhibition by Curcumin and Quercetin. <i>Journal of Fluorescence</i> , 2013, 23, 451-457.	1.3	10
31	Cancer Chemoprevention by Polyphenols and Their Potential Application as Nanomedicine. <i>Journal of Environmental Science and Health, Part C: Environmental Carcinogenesis and Ecotoxicology Reviews</i> , 2013, 31, 67-98.	2.9	55
32	Biochemical, Immunological and Kinetic Characterisation of Thiol Protease Inhibitor (Cystatin) from Liver. <i>Applied Biochemistry and Biotechnology</i> , 2013, 171, 667-675.	1.4	6
33	Ribosylation of bovine serum albumin induces ROS accumulation and cell death in cancer line (MCF-7). <i>European Biophysics Journal</i> , 2013, 42, 811-818.	1.2	24
34	Benzo(a)pyrene induced structural and functional modifications in lung cystatin. <i>Environmental Monitoring and Assessment</i> , 2013, 185, 8005-8010.	1.3	0
35	MicroRNA: Novel Modulators of the Cholinergic Anti-Inflammatory Pathway. <i>Anti-Inflammatory and Anti-Allergy Agents in Medicinal Chemistry</i> , 2013, 12, 136-140.	1.1	5
36	Alzheimer's Disease And Type 2 Diabetes: Exploring The Association To Obesity And Tyrosine Hydroxylase. <i>CNS and Neurological Disorders - Drug Targets</i> , 2012, 11, 482-489.	0.8	39

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37	Spectral Methods of Characterizing the Conformational Changes of Glycated Goat Liver Cystatin. <i>Current Proteomics</i> , 2012, 9, 255-261.	0.1	2
38	Studies on the Chemical Modification of Goat Liver Cystatin and the Effect on Its Anti-Papain Inhibitory Activity. <i>Journal of Fluorescence</i> , 2012, 22, 1627-1632.	1.3	1
39	Alpha-linolenic acid protects against gentamicin induced toxicity. <i>Research and Reports in Biochemistry</i> , 2012, , 25.	1.6	1
40	Aggregation and inactivation of pancreatic cystatin by riboflavin-derived singlet oxygen and flavin triplet state: Polyphenols as preventive agents. <i>Journal of Biochemical and Molecular Toxicology</i> , 2012, 26, 187-192.	1.4	0
41	Conformational changes during amyloid fibril formation of pancreatic thiol proteinase inhibitor: effect of copper and zinc. <i>Molecular Biology Reports</i> , 2012, 39, 2945-2955.	1.0	9
42	Targeting Parkinson's - Tyrosine Hydroxylase and Oxidative Stress as Points of Interventions. <i>CNS and Neurological Disorders - Drug Targets</i> , 2012, 11, 369-380.	0.8	34
43	Mitochondria as an Easy Target to Oxidative Stress Events in Parkinson's Disease. <i>CNS and Neurological Disorders - Drug Targets</i> , 2012, 11, 430-438.	0.8	38
44	A Brief Overview of Tyrosine Hydroxylase and $\alpha$ -Synuclein in the Parkinsonian Brain. <i>CNS and Neurological Disorders - Drug Targets</i> , 2012, 11, 456-462.	0.8	14
45	Cystatin like thiol proteinase inhibitor from pancreas of <i>Capra hircus</i> : purification and detailed biochemical characterization. <i>Amino Acids</i> , 2010, 38, 1001-1010.	1.2	16
46	Physicochemical properties of thiol proteinase inhibitor isolated from goat pancreas. <i>Biopolymers</i> , 2010, 93, NA-NA.	1.2	6
47	Methotrexate binding causes structural and functional changes in lung cystatin.. <i>Acta Biochimica Polonica</i> , 2010, 57, .	0.3	5
48	Preventive Effect of Curcumin and Quercetin against Nitric Oxide Mediated Modification of Goat Lung Cystatin. <i>Journal of Agricultural and Food Chemistry</i> , 2009, 57, 6055-6059.	2.4	9
49	Studies on the protective effect of dietary fish oil on gentamicin-induced nephrotoxicity and oxidative damage in rat kidney. <i>Prostaglandins Leukotrienes and Essential Fatty Acids</i> , 2008, 78, 369-381.	1.0	66