

# Namrata Tomar, Ph D

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/10870943/publications.pdf>

Version: 2024-02-01

19  
papers

221  
citations

1163117  
8  
h-index

1474206  
9  
g-index

19  
all docs

19  
docs citations

19  
times ranked

398  
citing authors

#	ARTICLE	IF	CITATIONS
1	Immunoinformatics: an integrated scenario. <i>Immunology</i> , 2010, 131, 153-168.	4.4	116
2	Third-Kind Encounters in Biomedicine: Immunology Meets Mathematics and Informatics to Become Quantitative and Predictive. <i>Methods in Molecular Biology</i> , 2016, 1386, 135-179.	0.9	20
3	Influence of a Hyperglycemic Microenvironment on a Diabetic Versus Healthy Rat Vascular Endothelium Reveals Distinguishable Mechanistic and Phenotypic Responses. <i>Frontiers in Physiology</i> , 2019, 10, 558.	2.8	19
4	The conserved phylogeny of blood microbiome. <i>Molecular Phylogenetics and Evolution</i> , 2017, 109, 404-408.	2.7	13
5	A thermodynamically-constrained mathematical model for the kinetics and regulation of NADPH oxidase 2 complex-mediated electron transfer and superoxide production. <i>Free Radical Biology and Medicine</i> , 2019, 134, 581-597.	2.9	13
6	Substrate- and Calcium-Dependent Differential Regulation of Mitochondrial Oxidative Phosphorylation and Energy Production in the Heart and Kidney. <i>Cells</i> , 2022, 11, 131.	4.1	13
7	Mechanistic computational modeling of the kinetics and regulation of NADPH oxidase 2 assembly and activation facilitating superoxide production. <i>Free Radical Research</i> , 2020, 54, 695-721.	3.3	10
8	Substrate-dependent differential regulation of mitochondrial bioenergetics in the heart and kidney cortex and outer medulla. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 2022, 1863, 148518.	1.0	10
9	MODELING THE OPTIMAL CENTRAL CARBON METABOLIC PATHWAYS UNDER FEEDBACK INHIBITION USING FLUX BALANCE ANALYSIS. <i>Journal of Bioinformatics and Computational Biology</i> , 2012, 10, 1250019.	0.8	6
10	A Multi-classifier Model to Identify Mitochondrial Respiratory Gene Signatures in Human Cancer. , 2019, , .		1
11	Tools, Databases, and Applications of Immunoinformatics. , 2018, , 159-174.		0
12	Integration of a Randomâ€Rapidâ€Equilibrium Binding Model of NOX2 Assembly with a Fiveâ€State Rateâ€Limiting Model of NOX2 Electron Flow facilitating Superoxide Production. <i>FASEB Journal</i> , 2021, 35, .	0.5	0
13	Calcium Regulation of Mitochondrial Respiration is Substrate Dependent and Tissue Specific. <i>FASEB Journal</i> , 2018, 32, .	0.5	0
14	The Role of Calcium in the Regulation of Mitochondrial Respiration under Various Substrate Combinations in the Heart and Kidney. <i>FASEB Journal</i> , 2019, 33, .	0.5	0
15	Characterizing Substrate Dependent Differential Regulation of Mitochondrial Respiration in the Heart and Kidney Using Computational Modeling. <i>FASEB Journal</i> , 2020, 34, 1-1.	0.5	0
16	Progressive Alterations of Mitochondrial Function in the Kidney and Heart During the Development of Saltâ€Induced Hypertension. <i>FASEB Journal</i> , 2020, 34, 1-1.	0.5	0
17	Substrateâ€Dependent Differential Regulation of Mitochondrial Bioenergetics and ROS emission in the Heart and Kidney Cortex and Outer Medulla. <i>FASEB Journal</i> , 2022, 36, .	0.5	0
18	Computational Modeling of Substrateâ€Dependent Differential Regulation of Mitochondrial Bioenergetics in the Heart and Kidney Cortex and Outer Medulla. <i>FASEB Journal</i> , 2022, 36, .	0.5	0

#	ARTICLE	IF	CITATIONS
19	Reverse Electron Transfer is a More Dominant Source of Mitochondrial ROS Production in the Heart and Kidney Outer Medulla than in the Kidney Cortex. FASEB Journal, 2022, 36, .	0.5	0