

# Shakti Gupta

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/8425073/publications.pdf>

Version: 2024-02-01

20  
papers

2,034  
citations

516710

16  
h-index

752698

20  
g-index

20  
all docs

20  
docs citations

20  
times ranked

4225  
citing authors

#	ARTICLE	IF	CITATIONS
1	Systems Analysis of Immunity to Influenza Vaccination across Multiple Years and in Diverse Populations Reveals Shared Molecular Signatures. <i>Immunity</i> , 2015, 43, 1186-1198.	14.3	286
2	Biomarkers of NAFLD progression: a lipidomics approach to an epidemic. <i>Journal of Lipid Research</i> , 2015, 56, 722-736.	4.2	264
3	A Mouse Macrophage Lipidome. <i>Journal of Biological Chemistry</i> , 2010, 285, 39976-39985.	3.4	260
4	Adjuvanting a subunit COVID-19 vaccine to induce protective immunity. <i>Nature</i> , 2021, 594, 253-258.	27.8	253
5	Bioinformatics and Systems Biology of the Lipidome. <i>Chemical Reviews</i> , 2011, 111, 6452-6490.	47.7	154
6	The single-cell epigenomic and transcriptional landscape of immunity to influenza vaccination. <i>Cell</i> , 2021, 184, 3915-3935.e21.	28.9	133
7	Enhancer-associated long non-coding RNA LEENE regulates endothelial nitric oxide synthase and endothelial function. <i>Nature Communications</i> , 2018, 9, 292.	12.8	129
8	T cell-inducing vaccine durably prevents mucosal SHIV infection even with lower neutralizing antibody titers. <i>Nature Medicine</i> , 2020, 26, 932-940.	30.7	124
9	Systems biology analysis of longitudinal functional response of endothelial cells to shear stress. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017, 114, 10990-10995.	7.1	95
10	Serum microRNAs explain discordance of non-alcoholic fatty liver disease in monozygotic and dizygotic twins: a prospective study. <i>Gut</i> , 2016, 65, 1546-1554.	12.1	75
11	An Integrated Model of Eicosanoid Metabolism and Signaling Based on Lipidomics Flux Analysis. <i>Biophysical Journal</i> , 2009, 96, 4542-4551.	0.5	54
12	Integration of lipidomics and transcriptomics data towards a systems biology model of sphingolipid metabolism. <i>BMC Systems Biology</i> , 2011, 5, 26.	3.0	47
13	Longitudinal shear stress response in human endothelial cells to atheroprone and atheroprotective conditions. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, .	7.1	43
14	A combined omics study on activated macrophagesâ€™ enhanced role of STATs in apoptosis, immunity and lipid metabolism. <i>Bioinformatics</i> , 2013, 29, 2735-2743.	4.1	28
15	Modeling of Eicosanoid Fluxes Reveals Functional Coupling between Cyclooxygenases and Terminal Synthases. <i>Biophysical Journal</i> , 2014, 106, 966-975.	0.5	25
16	Systems Analysis of the Complement-Induced Priming Phase of Liver Regeneration. <i>Journal of Immunology</i> , 2016, 197, 2500-2508.	0.8	22
17	Identification of Crosstalk between Phosphoprotein Signaling Pathways in RAW 264.7 Macrophage Cells. <i>PLoS Computational Biology</i> , 2010, 6, e1000654.	3.2	15
18	Computational Modeling of Competitive Metabolism between $\omega$ -3- and $\omega$ -6-Polyunsaturated Fatty Acids in Inflammatory Macrophages. <i>Journal of Physical Chemistry B</i> , 2016, 120, 8346-8353.	2.6	11

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19	Cybernetic modeling of biological processes in mammalian systems. Current Opinion in Chemical Engineering, 2020, 30, 120-127.	7.8	9
20	A Cybernetic Approach to Modeling Lipid Metabolism in Mammalian Cells. Processes, 2018, 6, 126.	2.8	7