

# A J Venkatakrisnan

## List of Publications by Year in descending order

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Version: 2024-02-01

37  
papers

5,400  
citations

257357

24  
h-index

377752

34  
g-index

77  
all docs

77  
docs citations

77  
times ranked

7866  
citing authors

#	ARTICLE	IF	CITATIONS
1	Molecular signatures of G-protein-coupled receptors. <i>Nature</i> , 2013, 494, 185-194.	13.7	1,298
2	Structural insights into $\mu$ -opioid receptor activation. <i>Nature</i> , 2015, 524, 315-321.	13.7	743
3	GPCR Dynamics: Structures in Motion. <i>Chemical Reviews</i> , 2017, 117, 139-155.	23.0	561
4	Universal allosteric mechanism for $G_{12}$ activation by GPCRs. <i>Nature</i> , 2015, 524, 173-179.	13.7	291
5	Structural basis for chemokine recognition and activation of a viral G protein-coupled receptor. <i>Science</i> , 2015, 347, 1113-1117.	6.0	261
6	Diverse activation pathways in class A GPCRs converge near the G-protein-coupling region. <i>Nature</i> , 2016, 536, 484-487.	13.7	245
7	D <sub>4</sub> dopamine receptor high-resolution structures enable the discovery of selective agonists. <i>Science</i> , 2017, 358, 381-386.	6.0	176
8	Mechanism of intracellular allosteric $\beta_2$ AR antagonist revealed by X-ray crystal structure. <i>Nature</i> , 2017, 548, 480-484.	13.7	148
9	FDA-authorized mRNA COVID-19 vaccines are effective per real-world evidence synthesized across a multi-state health system. <i>Med</i> , 2021, 2, 979-992.e8.	2.2	127
10	Diverse GPCRs exhibit conserved water networks for stabilization and activation. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019, 116, 3288-3293.	3.3	116
11	Casirivimab-Imdevimab treatment is associated with reduced rates of hospitalization among high-risk patients with mild to moderate coronavirus disease-19. <i>EClinicalMedicine</i> , 2021, 40, 101102.	3.2	116
12	SARS-CoV-2 strategically mimics proteolytic activation of human ENaC. <i>ELife</i> , 2020, 9, .	2.8	112
13	Visualization and analysis of non-covalent contacts using the Protein Contacts Atlas. <i>Nature Structural and Molecular Biology</i> , 2018, 25, 185-194.	3.6	103
14	Augmented curation of clinical notes from a massive EHR system reveals symptoms of impending COVID-19 diagnosis. <i>ELife</i> , 2020, 9, .	2.8	100
15	Structural and functional characterization of G protein-coupled receptors with deep mutational scanning. <i>ELife</i> , 2020, 9, .	2.8	91
16	Knowledge synthesis of 100 million biomedical documents augments the deep expression profiling of coronavirus receptors. <i>ELife</i> , 2020, 9, .	2.8	61
17	Cryptic pocket formation underlies allosteric modulator selectivity at muscarinic GPCRs. <i>Nature Communications</i> , 2019, 10, 3289.	5.8	47
18	Long-term SARS-CoV-2 RNA shedding and its temporal association to IgG seropositivity. <i>Cell Death Discovery</i> , 2020, 6, 138.	2.0	41

#	ARTICLE	IF	CITATIONS
19	Real-time analysis of a mass vaccination effort confirms the safety of FDA-authorized mRNA COVID-19 vaccines. <i>Med</i> , 2021, 2, 965-978.e5.	2.2	40
20	Benchmarking evolutionary tinkering underlying humanâ€“viral molecular mimicry shows multiple host pulmonaryâ€“arterial peptides mimicked by SARS-CoV-2. <i>Cell Death Discovery</i> , 2020, 6, 96.	2.0	37
21	Plasma IL-6 levels following corticosteroid therapy as an indicator of ICU length of stay in critically ill COVID-19 patients. <i>Cell Death Discovery</i> , 2021, 7, 55.	2.0	34
22	Cerebral Venous Sinus Thrombosis is not Significantly Linked to COVID-19 Vaccines or Non-COVID Vaccines in a Large Multi-State Health System. <i>Journal of Stroke and Cerebrovascular Diseases</i> , 2021, 30, 105923.	0.7	31
23	Enoxaparin is associated with lower rates of mortality than unfractionated Heparin in hospitalized COVID-19 patients. <i>EClinicalMedicine</i> , 2021, 33, 100774.	3.2	30
24	Homomeric protein complexes: evolution and assembly. <i>Biochemical Society Transactions</i> , 2010, 38, 879-882.	1.6	25
25	Surveillance of Safety of 3 Doses of COVID-19 mRNA Vaccination Using Electronic Health Records. <i>JAMA Network Open</i> , 2022, 5, e227038.	2.8	23
26	Mapping each pre-existing conditionâ€™s association to short-term and long-term COVID-19 complications. <i>Npj Digital Medicine</i> , 2021, 4, 117.	5.7	19
27	Inference from longitudinal laboratory tests characterizes temporal evolution of COVID-19-associated coagulopathy (CAC). <i>ELife</i> , 2020, 9, .	2.8	19
28	High diversity in Delta variant across countries revealed by genomeâ€“wide analysis of SARSâ€“CoVâ€“2 beyond the Spike protein. <i>Molecular Systems Biology</i> , 2022, 18, e10673.	3.2	18
29	Pre-existing conditions are associated with COVID-19 patientsâ€™ hospitalization, despite confirmed clearance of SARS-CoV-2 virus. <i>EClinicalMedicine</i> , 2021, 34, 100793.	3.2	14
30	SARS-CoV-2 and influenza coinfection throughout the COVID-19 pandemic: an assessment of coinfection rates, cohort characteristics, and clinical outcomes. , 2022, 1, .		13
31	Healthcare disparities among anticoagulation therapies for severe COVIDâ€“19 patients in the multiâ€“site VIRUS registry. <i>Journal of Medical Virology</i> , 2021, 93, 4303-4318.	2.5	8
32	Third dose vaccination with mRNA-1273 or BNT162b2 vaccines improves protection against SARS-CoV-2 infection. , 2022, 1, .		6
33	A Literature-Derived Knowledge Graph Augments the Interpretation of Single Cell RNA-seq Datasets. <i>Genes</i> , 2021, 12, 898.	1.0	5
34	Anemia during SARS-CoV-2 infection is associated with rehospitalization after viral clearance. <i>IScience</i> , 2021, 24, 102780.	1.9	4
35	Genetic alteration of human MYH6 is mimicked by SARS-CoV-2 polyprotein: mapping viral variants of cardiac interest. <i>Cell Death Discovery</i> , 2022, 8, 124.	2.0	4
36	Enoxaparin Is Associated With Lower Rates of Thrombosis, Kidney Injury, and Mortality Than Unfractionated Heparin in Hospitalized COVID Patients. <i>SSRN Electronic Journal</i> , 0, , .	0.4	2

#	ARTICLE	IF	CITATIONS
37	Spatially Constrained Water Molecules are Conserved in GPCR Activation. Biophysical Journal, 2018, 114, 236a.	0.2	0