A J Venkatakrishnan

List of Publications by Year
in descending order

37 papers	5,400 citations	257450 24 h-index	377865 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. Nature, 2013, 494, 185-194.	27.8	1,298
2	Structural insights into Âμ-opioid receptor activation. Nature, 2015, 524, 315-321.	27.8	743
3	GPCR Dynamics: Structures in Motion. Chemical Reviews, 2017, 117, 139-155.	47.7	561
4	Universal allosteric mechanism for GÎ± activation by GPCRs. Nature, 2015, 524, 173-179.	27.8	291
5	Structural basis for chemokine recognition and activation of a viral G proteinâ€“coupled receptor. Science, 2015, 347, 1113-1117.	12.6	261
6	Diverse activation pathways in class A GPCRs converge near the G-protein-coupling region. Nature, 2016, 536, 484-487.	27.8	245
7	D ₄ dopamine receptor high-resolution structures enable the discovery of selective agonists. Science, 2017, 358, 381-386.	12.6	176
8	Mechanism of intracellular allosteric Î²2AR antagonist revealed by X-ray crystal structure. Nature, 2017, 548, 480-484.	27.8	148
9	FDA-authorized mRNA COVID-19 vaccines are effective per real-world evidence synthesized across a multi-state health system. Med, 2021, 2, 979-992.e8.	4.4	127
10	Diverse GPCRs exhibit conserved water networks for stabilization and activation. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 3288-3293.	7.1	116
11	Casirivimabâ€“Imdevimab treatment is associated with reduced rates of hospitalization among high-risk patients with mild to moderate coronavirus disease-19. EClinicalMedicine, 2021, 40, 101102.	7.1	116
12	SARS-CoV-2 strategically mimics proteolytic activation of human ENaC. ELife, 2020, 9, .	6.0	112
13	Visualization and analysis of non-covalent contacts using the Protein Contacts Atlas. Nature Structural and Molecular Biology, 2018, 25, 185-194.	8.2	103
14	Augmented curation of clinical notes from a massive EHR system reveals symptoms of impending COVID-19 diagnosis. ELife, 2020, 9, .	6.0	100
15	Structural and functional characterization of G proteinâ€“coupled receptors with deep mutational scanning. ELife, 2020, 9, .	6.0	91
16	Knowledge synthesis of 100 million biomedical documents augments the deep expression profiling of coronavirus receptors. ELife, 2020, 9, .	6.0	61
17	Cryptic pocket formation underlies allosteric modulator selectivity at muscarinic GPCRs. Nature Communications, 2019, 10, 3289.	12.8	47
18	Long-term SARS-CoV-2 RNA shedding and its temporal association to IgG seropositivity. Cell Death Discovery, 2020, 6, 138.	4.7	41

#	Article	IF	Citations
19	Real-time analysis of a mass vaccination effort confirms the safety of FDA-authorized mRNA COVID-19 vaccines. Med, 2021, 2, 965-978.e5.	4.4	40
20	Benchmarking evolutionary tinkering underlying humanâ€“viral molecular mimicry shows multiple host pulmonaryâ€“arterial peptides mimicked by SARS-CoV-2. Cell Death Discovery, 2020, 6, 96.	4.7	37
21	Plasma IL-6 levels following corticosteroid therapy as an indicator of ICU length of stay in critically ill COVID-19 patients. Cell Death Discovery, 2021, 7, 55.	4.7	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. Journal of Stroke and Cerebrovascular Diseases, 2021, 30, 105923.	1.6	31
23	Enoxaparin is associated with lower rates of mortality than unfractionated Heparin in hospitalized COVID-19 patients. EClinicalMedicine, 2021, 33, 100774.	7.1	30
24	Homomeric protein complexes: evolution and assembly. Biochemical Society Transactions, 2010, 38, 879-882.	3.4	25
25	Surveillance of Safety of 3 Doses of COVID-19 mRNA Vaccination Using Electronic Health Records. JAMA Network Open, 2022, 5, e227038.	5.9	23
26	Mapping each pre-existing conditionâ€™s association to short-term and long-term COVID-19 complications. Npj Digital Medicine, 2021, 4, 117.	10.9	19
27	Inference from longitudinal laboratory tests characterizes temporal evolution of COVID-19-associated coagulopathy (CAC). ELife, 2020, 9, .	6.0	19
28	High diversity in Delta variant across countries revealed by genomeâ€wide analysis of SARSâ€CoVâ€2 beyond the Spike protein. Molecular Systems Biology, 2022, 18, e10673.	7.2	18
29	Pre-existing conditions are associated with COVID-19 patientsâ€™ hospitalization, despite confirmed clearance of SARS-CoV-2 virus. EClinicalMedicine, 2021, 34, 100793.	7.1	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. Journal of Medical Virology, 2021, 93, 4303-4318.	5.0	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. Genes, 2021, 12, 898.	2.4	5
34	Anemia during SARS-CoV-2 infection is associated with rehospitalization after viral clearance. IScience, 2021, 24, 102780.	4.1	4
35	Genetic alteration of human MYH6 is mimicked by SARS-CoV-2 polyprotein: mapping viral variants of cardiac interest. Cell Death Discovery, 2022, 8, 124.	4.7	4
36	Enoxaparin Is Associated With Lower Rates of Thrombosis, Kidney Injury, and Mortality Than Unfractionated Heparin in Hospitalized COVID Patients. SSRN Electronic Journal, 0, , .	0.4	2

#	Article	IF	Citations
37	Spatially Constrained Water Molecules are Conserved in GPCR Activation. Biophysical Journal, 2018, 114, 236a.	0.5	0