

# Dipak N Patil

## List of Publications by Year in descending order

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27  
papers

481  
citations

687363

13  
h-index

713466

21  
g-index

29  
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29  
docs citations

29  
times ranked

930  
citing authors

#	ARTICLE	IF	CITATIONS
1	Lipid binding promotes oligomerization and focal adhesion activity of vinculin. <i>Journal of Cell Biology</i> , 2014, 207, 643-656.	5.2	50
2	GÎ±o is a major determinant of cAMP signaling in the pathophysiology of movement disorders. <i>Cell Reports</i> , 2021, 34, 108718.	6.4	48
3	Synaptic adhesion protein ELFN1 is a selective allosteric modulator of group III metabotropic glutamate receptors <i>in trans</i>. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018, 115, 5022-5027.	7.1	47
4	Novel <i>GNB1</i> mutations disrupt assembly and function of G protein heterotrimers and cause global developmental delay in humans. <i>Human Molecular Genetics</i> , 2017, 26, ddx018.	2.9	41
5	Structural and functional evolution of chitinase-like proteins from plants. <i>Proteomics</i> , 2015, 15, 1693-1705.	2.2	39
6	GNB5 mutation causes a novel neuropsychiatric disorder featuring attention deficit hyperactivity disorder, severely impaired language development and normal cognition. <i>Genome Biology</i> , 2016, 17, 195.	8.8	36
7	Biochemical Studies and Ligand-bound Structures of Biphenyl Dehydrogenase from <i>Pandoraea promenusa</i> Strain B-356 Reveal a Basis for Broad Specificity of the Enzyme. <i>Journal of Biological Chemistry</i> , 2011, 286, 37011-37022.	3.4	29
8	Structural basis for dual inhibitory role of tamarind <sc>K</sc>unitz inhibitor (<sc>TKI</sc>) against factor <sc>X</sc>a and trypsin. <i>FEBS Journal</i> , 2012, 279, 4547-4564.	4.7	29
9	Cryo-EM structure of human GPR158 receptor coupled to the RGS7-GÎ²5 signaling complex. <i>Science</i> , 2022, 375, 86-91.	12.6	24
10	Structure-Function Studies of DNA Binding Domain of Response Regulator KdpE Reveals Equal Affinity Interactions at DNA Half-Sites. <i>PLoS ONE</i> , 2012, 7, e30102.	2.5	19
11	Structural Investigation of a Novel N-Acetyl Glucosamine Binding Chi-Lectin Which Reveals Evolutionary Relationship with Class III Chitinases. <i>PLoS ONE</i> , 2013, 8, e63779.	2.5	19
12	Structural organization of a major neuronal G protein regulator, the RGS7-GÎ²5-R7BP complex. <i>ELife</i> , 2018, 7, .	6.0	18
13	Lipid-Directed Vinculin Dimerization. <i>Biochemistry</i> , 2015, 54, 2758-2768.	2.5	15
14	Isolation, purification, crystallization and preliminary crystallographic studies of chitinase from tamarind (<i>Tamarindus indica</i>) seeds. <i>Acta Crystallographica Section F: Structural Biology Communications</i> , 2009, 65, 343-345.	0.7	12
15	Molecular Deconvolution Platform to Establish Disease Mechanisms by Surveying GPCR Signaling. <i>Cell Reports</i> , 2018, 24, 557-568.e5.	6.4	12
16	Conformational flexibility determines the Nf2/merlin tumor suppressor functions. <i>Matrix Biology Plus</i> , 2021, 12, 100074.	3.5	10
17	Purification, crystallization and preliminary crystallographic studies of a Kunitz-type proteinase inhibitor from tamarind (<i>Tamarindus indica</i>) seeds. <i>Acta Crystallographica Section F: Structural Biology Communications</i> , 2009, 65, 736-738.	0.7	8
18	Crystallization and preliminary X-ray diffraction analysis of the complex of Kunitz-type tamarind trypsin inhibitor and porcine pancreatic trypsin. <i>Acta Crystallographica Section F: Structural Biology Communications</i> , 2009, 65, 1179-1181.	0.7	5

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19	Adhesion GPCR Latrophilin 3 regulates synaptic function of cone photoreceptors in a trans-synaptic manner. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	7.1	5
20	Expression, purification, crystallization and preliminary crystallographic studies of cis-biphenyl-2,3-dihydrodiol-2,3-dehydrogenase from <i>Pandoraea pnomenus</i> B-356. Acta Crystallographica Section F: Structural Biology Communications, 2010, 66, 1517-1520.	0.7	3
21	Ligand-bound structures of 3-deoxy-D-manno-octulosonate 8-phosphate phosphatase from <i>Moraxella catarrhalis</i> reveal a water channel connecting to the active site for the second step of catalysis. Acta Crystallographica Section D: Biological Crystallography, 2015, 71, 239-255.	2.5	3
22	A High-Throughput Time-Resolved Fluorescence Energy Transfer Assay to Screen for Modulators of RGS7/G $\beta$ 25/R7BP Complex. Assay and Drug Development Technologies, 2018, 16, 150-161.	1.2	3
23	Purification and Biophysical Characterization of an 11S Globulin from <i>Wrightia tinctoria</i> Exhibiting Hemagglutinating Activity. Protein and Peptide Letters, 2013, 20, 499-509.	0.9	3
24	Cryo-EM structure of human GPR158 receptor coupled to the RGS7-G $\beta$ 25 signaling complex. Science, 2021, , eabl4732.	12.6	2
25	Identification of Potential Modulators of the RGS7/G $\beta$ 25/R7BP Complex. SLAS Discovery, 2021, 26, 1177-1188.	2.7	1
26	Lipid-directed cytoskeletal protein oligomerization at sites of cell adhesion. Acta Crystallographica Section A: Foundations and Advances, 2014, 70, C1833-C1833.	0.1	0
27	Mechanistic role of G $\beta$ o in striatal cAMP signal transduction. FASEB Journal, 2020, 34, 1-1.	0.5	0