

# Jobin Varkey

## List of Publications by Year in Descending Order

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**Version:** 2024-04-27

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

17  
papers

896  
citations

13  
h-index

17  
g-index

17  
ext. papers

1,043  
ext. citations

7.2  
avg, IF

3.92  
L-index

#	Paper	IF	Citations
17	An Amphipathic Alpha-Helix Domain from Poliovirus 2C Protein Tubulate Lipid Vesicles. <i>Viruses</i> , <b>2020</b> , 12,	6.2	2
16	Structural Model of the Proline-Rich Domain of Huntingtin Exon-1 Fibrils. <i>Biophysical Journal</i> , <b>2020</b> , 119, 2019-2028	2.9	4
15	E46K-like $\beta$ synuclein mutants increase lipid interactions and disrupt membrane selectivity. <i>Journal of Biological Chemistry</i> , <b>2019</b> , 294, 9799-9812	5.4	20
14	Gene co-expression network analysis for identifying genetic markers in Parkinson's disease - a three-way comparative approach. <i>Genomics</i> , <b>2019</b> , 111, 819-830	4.3	22
13	Construction of Parkinson's disease marker-based weighted protein-protein interaction network for prioritization of co-expressed genes. <i>Gene</i> , <b>2019</b> , 697, 67-77	3.8	13
12	Pericyte degeneration causes white matter dysfunction in the mouse central nervous system. <i>Nature Medicine</i> , <b>2018</b> , 24, 326-337	50.5	211
11	Membranes as modulators of amyloid protein misfolding and target of toxicity. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , <b>2018</b> , 1860, 1863-1875	3.8	26
10	Membrane remodeling by amyloidogenic and non-amyloidogenic proteins studied by EPR. <i>Journal of Magnetic Resonance</i> , <b>2017</b> , 280, 127-139	3	8
9	$\beta$ Synuclein Amyloid Fibrils with Two Entwined, Asymmetrically Associated Protofibrils. <i>Journal of Biological Chemistry</i> , <b>2016</b> , 291, 2310-8	5.4	41
8	Early sodium dodecyl sulfate induced collapse of $\beta$ synuclein correlates with its amyloid formation. <i>ACS Chemical Neuroscience</i> , <b>2015</b> , 6, 239-46	5.7	17
7	$\beta$ Synuclein Amyloid Fibrils Formed of Two Protofibrils. <i>Microscopy and Microanalysis</i> , <b>2015</b> , 21, 1285-1286.5	6.5	17
6	$\beta$ Synuclein oligomers with broken helical conformation form lipoprotein nanoparticles. <i>Journal of Biological Chemistry</i> , <b>2013</b> , 288, 17620-30	5.4	54
5	Hydration dynamics as an intrinsic ruler for refining protein structure at lipid membrane interfaces. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2013</b> , 110, 16838-43	11.5	60
4	Remodeling of lipid vesicles into cylindrical micelles by $\beta$ synuclein in an extended $\beta$ helical conformation. <i>Journal of Biological Chemistry</i> , <b>2012</b> , 287, 29301-11	5.4	86
3	Membrane curvature induction and tubulation are common features of synucleins and apolipoproteins. <i>Journal of Biological Chemistry</i> , <b>2010</b> , 285, 32486-93	5.4	231
2	Antibacterial activity of linear peptides spanning the carboxy-terminal beta-sheet domain of arthropod defensins. <i>Peptides</i> , <b>2006</b> , 27, 2614-23	3.8	22
1	Antibacterial activity of human neutrophil defensin HNP-1 analogs without cysteines. <i>Antimicrobial Agents and Chemotherapy</i> , <b>2005</b> , 49, 4561-6	5.9	79

