

# Richard M Walsh Jr

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/6673428/publications.pdf>

Version: 2024-02-01

18  
papers

2,829  
citations

840585

11  
h-index

996849

15  
g-index

21  
all docs

21  
docs citations

21  
times ranked

4892  
citing authors

#	ARTICLE	IF	CITATIONS
1	Distinct conformational states of SARS-CoV-2 spike protein. <i>Science</i> , 2020, 369, 1586-1592.	6.0	995
2	Structure of a human synaptic GABAA receptor. <i>Nature</i> , 2018, 559, 67-72.	13.7	389
3	Structural impact on SARS-CoV-2 spike protein by D614G substitution. <i>Science</i> , 2021, 372, 525-530.	6.0	344
4	Membrane fusion and immune evasion by the spike protein of SARS-CoV-2 Delta variant. <i>Science</i> , 2021, 374, 1353-1360.	6.0	246
5	Structural basis for enhanced infectivity and immune evasion of SARS-CoV-2 variants. <i>Science</i> , 2021, 373, 642-648.	6.0	211
6	Shared structural mechanisms of general anaesthetics and benzodiazepines. <i>Nature</i> , 2020, 585, 303-308.	13.7	195
7	Structural principles of distinct assemblies of the human $\alpha 4\beta 2$ nicotinic receptor. <i>Nature</i> , 2018, 557, 261-265.	13.7	177
8	Agonist Selectivity and Ion Permeation in the $\alpha 3\beta 4$ Ganglionic Nicotinic Receptor. <i>Neuron</i> , 2019, 104, 501-511.e6.	3.8	131
9	Structures of chaperone-associated assembly intermediates reveal coordinated mechanisms of proteasome biogenesis. <i>Nature Structural and Molecular Biology</i> , 2021, 28, 418-425.	3.6	29
10	Human UDP- $\alpha$ -D-xylose Synthase and <i>Escherichia coli</i> ArnA Conserve a Conformational Shunt That Controls Whether Xylose or 4-Keto-Xylose Is Produced. <i>Biochemistry</i> , 2012, 51, 8844-8855.	1.2	21
11	Evidence of Kinetic Cooperativity in Dimeric Ketopantoate Reductase from <i>Staphylococcus aureus</i> . <i>Biochemistry</i> , 2015, 54, 3360-3369.	1.2	14
12	Hysteresis in Human UDP-Glucose Dehydrogenase Is Due to a Restrained Hexameric Structure That Favors Feedback Inhibition. <i>Biochemistry</i> , 2014, 53, 8043-8051.	1.2	9
13	Chaperone-mediated assembly of the proteasome core particle – recent developments and structural insights. <i>Journal of Cell Science</i> , 2022, 135, .	1.2	7
14	Human UDP- $\alpha$ -D-xylose Synthase Forms a Catalytically Important Tetramer That Has Not Been Observed in Crystal Structures. <i>Biochemistry</i> , 2013, 52, 3888-3898.	1.2	6
15	<i>Man</i> $\alpha$ 6™ War Mutation in UDP- $\alpha$ -D-xylose Synthase Favors the Abortive Catalytic Cycle and Uncovers a Latent Potential for Hexamer Formation. <i>Biochemistry</i> , 2015, 54, 807-819.	1.2	3
16	Mechanism of proteasome gate modulation by assembly chaperones Pba1 and Pba2. <i>Journal of Biological Chemistry</i> , 2022, 298, 101906.	1.6	2
17	Resolution of Heterogeneity in Nicotinic Receptor Assembly by Cryo-EM. <i>Biophysical Journal</i> , 2018, 114, 10a-11a.	0.2	0
18	Cryo-EM Structure of the $\alpha 1\beta 2\gamma 2$ GabaA Receptor in a Lipidic Environment. <i>Biophysical Journal</i> , 2020, 118, 582a-583a.	0.2	0