

# Richard M Walsh Jr

## List of Publications by Year in descending order

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Version: 2024-02-01

18  
papers

2,829  
citations

840585

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h-index

996849

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all docs

21  
docs citations

21  
times ranked

4892  
citing authors

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