

# Alex J Guseman

## List of Publications by Year in descending order

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Version: 2024-02-01

16  
papers

517  
citations

840776

11  
h-index

996975

15  
g-index

16  
all docs

16  
docs citations

16  
times ranked

569  
citing authors

#	ARTICLE	IF	CITATIONS
1	Osmotic Shock Induced Protein Destabilization in Living Cells and Its Reversal by Glycine Betaine. <i>Journal of Molecular Biology</i> , 2017, 429, 1155-1161.	4.2	86
2	Protein shape modulates crowding effects. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018, 115, 10965-10970.	7.1	72
3	Surface Charge Modulates Protein-Protein Interactions in Physiologically Relevant Environments. <i>Biochemistry</i> , 2018, 57, 1681-1684.	2.5	56
4	Protecting activity of desiccated enzymes. <i>Protein Science</i> , 2019, 28, 941-951.	7.6	51
5	The intracellular environment affects protein-protein interactions. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, .	7.1	49
6	Intracellular pH modulates quinary structure. <i>Protein Science</i> , 2015, 24, 1748-1755.	7.6	48
7	Cosolute and Crowding Effects on a Side-By-Side Protein Dimer. <i>Biochemistry</i> , 2017, 56, 971-976.	2.5	42
8	Multi-Drug Resistance Transporters and a Mechanism-Based Strategy for Assessing Risks of Pesticide Combinations to Honey Bees. <i>PLoS ONE</i> , 2016, 11, e0148242.	2.5	25
9	Visualizing Proteins in Mammalian Cells by <sup>19</sup> F NMR Spectroscopy. <i>Angewandte Chemie - International Edition</i> , 2022, 61, .	13.8	24
10	Restricted myeloperoxidase epitopes drive the adaptive immune response in MPO-ANCA vasculitis. <i>Journal of Autoimmunity</i> , 2020, 106, 102306.	6.5	21
11	Thermodynamic consequences of Tyr to Trp mutations in the cation- $\pi$ -mediated binding of trimethyllysine by the HP1 chromodomain. <i>Chemical Science</i> , 2020, 11, 3495-3500.	7.4	12
12	Controlling and quantifying protein concentration in <i>Escherichia coli</i> . <i>Protein Science</i> , 2019, 28, 1307-1311.	7.6	10
13	Assessing the Structures and Interactions of <sup>13</sup> D-Crystallin Deamidation Variants. <i>Structure</i> , 2021, 29, 284-291.e3.	3.3	10
14	Chapter 12. Protein Stability and Weak Intracellular Interactions. <i>New Developments in NMR</i> , 2019, , 188-206.	0.1	6
15	Isomerization as the secret Achilles' heel of long-lived proteins. <i>Journal of Biological Chemistry</i> , 2019, 294, 7556-7557.	3.4	5
16	Visualizing Proteins in Mammalian Cells by <sup>19</sup> F NMR Spectroscopy. <i>Angewandte Chemie</i> , 0, , .	2.0	0