

# Anthony M Pedley

## List of Publications by Year in descending order

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16  
papers

1,029  
citations

759233

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940533

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16  
docs citations

16  
times ranked

1351  
citing authors

#	ARTICLE	IF	CITATIONS
1	A New View into the Regulation of Purine Metabolism: The Purinosome. Trends in Biochemical Sciences, 2017, 42, 141-154.	7.5	386
2	Spatial colocalization and functional link of purinosomes with mitochondria. Science, 2016, 351, 733-737.	12.6	174
3	Quantitative Analysis of Purine Nucleotides Indicates That Purinosomes Increase de Novo Purine Biosynthesis. Journal of Biological Chemistry, 2015, 290, 6705-6713.	3.4	101
4	Purinosome formation as a function of the cell cycle. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, 1368-1373.	7.1	84
5	Human de novo purine biosynthesis. Critical Reviews in Biochemistry and Molecular Biology, 2021, 56, 1-16.	5.2	71
6	Microtubule-directed transport of purine metabolons drives their cytosolic transit to mitochondria. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, 13009-13014.	7.1	48
7	Hypoxia drives the assembly of the multienzyme purinosome complex. Journal of Biological Chemistry, 2020, 295, 9551-9566.	3.4	30
8	Replication protein A dynamically regulates monoubiquitination of proliferating cell nuclear antigen. Journal of Biological Chemistry, 2019, 294, 5157-5168.	3.4	22
9	The Purinosome: A Case Study for a Mammalian Metabolon. Annual Review of Biochemistry, 2022, 91, 89-106.	11.1	20
10	Flexibility of PCNA-Protein Interface Accommodates Differential Binding Partners. PLoS ONE, 2014, 9, e102481.	2.5	17
11	Role of HSP90 in the Regulation of <i>de Novo</i> Purine Biosynthesis. Biochemistry, 2018, 57, 3217-3221.	2.5	16
12	Purine biosynthetic enzymes assemble into liquid-like condensates dependent on the activity of chaperone protein HSP90. Journal of Biological Chemistry, 2022, 298, 101845.	3.4	16
13	Mapping Post-Translational Modifications of de Novo Purine Biosynthetic Enzymes: Implications for Pathway Regulation. Journal of Proteome Research, 2019, 18, 2078-2087.	3.7	14
14	Conformational changes involving ammonia tunnel formation and allosteric control in GMP synthetase. Archives of Biochemistry and Biophysics, 2014, 545, 22-32.	3.0	12
15	Selective Inhibition of STAT3 Phosphorylation Using a Nuclear-Targeted Kinase Inhibitor. ACS Chemical Biology, 2017, 12, 2371-2378.	3.4	12
16	Detecting Purinosome Metabolon Formation with Fluorescence Microscopy. Methods in Molecular Biology, 2018, 1764, 279-289.	0.9	6