

# Jonathan Wolf Mueller

## List of Publications by Year in descending order

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46  
papers

1,317  
citations

361045

20  
h-index

360668

35  
g-index

54  
all docs

54  
docs citations

54  
times ranked

1815  
citing authors

#	ARTICLE	IF	CITATIONS
1	The Regulation of Steroid Action by Sulfation and Desulfation. <i>Endocrine Reviews</i> , 2015, 36, 526-563.	8.9	310
2	Sensing and signaling of oxidative stress in chloroplasts by inactivation of the SAL1 phosphoadenosine phosphatase. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016, 113, E4567-76.	3.3	147
3	Structural Analysis of the Mitotic Regulator hPin1 in Solution. <i>Journal of Biological Chemistry</i> , 2003, 278, 26183-26193.	1.6	115
4	Sulfation pathways from red to green. <i>Journal of Biological Chemistry</i> , 2019, 294, 12293-12312.	1.6	76
5	PAPSS2 Deficiency Causes Androgen Excess via Impaired DHEA Sulfation—In Vitro and in Vivo Studies in a Family Harboring Two Novel PAPSS2 Mutations. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2015, 100, E672-E680.	1.8	62
6	NMR solution structure of h Par14 reveals similarity to the peptidyl prolyl cis/trans isomerase domain of the mitotic regulator h Pin1 but indicates a different functionality of the protein 1 1Edited by A. Fersht. <i>Journal of Molecular Biology</i> , 2000, 301, 1003-1017.	2.0	60
7	Structural basis for the role of the Sir3 AAA<sup>+</sup> domain in silencing: interaction with Sir4 and unmethylated histone H3K79. <i>Genes and Development</i> , 2011, 25, 1835-1846.	2.7	40
8	Adenosine 5'-phosphosulfate—a multifaceted modulator of bifunctional 3'-phospho-adenosine 5'-phosphosulfate synthases and related enzymes. <i>FEBS Journal</i> , 2013, 280, 3050-3057.	2.2	39
9	3'-Phosphoadenosine 5'-Phosphosulfate (PAPS) Synthases, Naturally Fragile Enzymes Specifically Stabilized by Nucleotide Binding. <i>Journal of Biological Chemistry</i> , 2012, 287, 17645-17655.	1.6	37
10	Characterization of novel elongated Parvulin isoforms that are ubiquitously expressed in human tissues and originate from alternative transcription initiation. <i>BMC Molecular Biology</i> , 2006, 7, 9.	3.0	35
11	SULFATION PATHWAYS: Insights into steroid sulfation and desulfation pathways. <i>Journal of Molecular Endocrinology</i> , 2018, 61, T271-T283.	1.1	34
12	Human PAPS Synthase Isoforms Are Dynamically Regulated Enzymes with Access to Nucleus and Cytoplasm. <i>PLoS ONE</i> , 2012, 7, e29559.	1.1	31
13	A heterodimer of human 3'-phospho-adenosine-5'-phosphosulphate (PAPS) synthases is a new sulphate activating complex. <i>Biochemical and Biophysical Research Communications</i> , 2010, 395, 420-425.	1.0	30
14	Crystallographic Proof for an Extended Hydrogen-Bonding Network in Small Prolyl Isomerases. <i>Journal of the American Chemical Society</i> , 2011, 133, 20096-20099.	6.6	30
15	The DNA binding parvulin Par17 is targeted to the mitochondrial matrix by a recently evolved prepeptide uniquely present in Hominidae. <i>BMC Biology</i> , 2007, 5, 37.	1.7	29
16	Human DHEA sulfation requires direct interaction between PAPS synthase 2 and DHEA sulfotransferase SULT2A1. <i>Journal of Biological Chemistry</i> , 2018, 293, 9724-9735.	1.6	29
17	Human TPST1 Transmembrane Domain Triggers Enzyme Dimerisation and Localisation to the Golgi Compartment. <i>Journal of Molecular Biology</i> , 2006, 361, 436-449.	2.0	24
18	Transient Domain Interactions Enhance the Affinity of the Mitotic Regulator Pin1 toward Phosphorylated Peptide Ligands. <i>Structure</i> , 2013, 21, 1769-1777.	1.6	24

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19	Structure and Dynamics of the First Archaeal Parvulin Reveal a New Functionally Important Loop in Parvulin-type Prolyl Isomerases. <i>Journal of Biological Chemistry</i> , 2011, 286, 6554-6565.	1.6	23
20	Small Family with Key Contacts: Par14 and Par17 Parvulin Proteins, Relatives of Pin1, Now Emerge in Biomedical Research. <i>Perspectives in Medicinal Chemistry</i> , 2008, 2, PMC.S496.	4.6	22
21	Circulating Conjugated and Unconjugated Vitamin D Metabolite Measurements by Liquid Chromatography Mass Spectrometry. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2022, 107, 435-449.	1.8	19
22	Structural and biochemical studies of sulphotransferase 18 from <i>Arabidopsis thaliana</i> explain its substrate specificity and reaction mechanism. <i>Scientific Reports</i> , 2017, 7, 4160.	1.6	18
23	The broad phenotypic spectrum of 17 $\beta$ -hydroxylase/17,20-lyase (CYP17A1) deficiency: a case series. <i>European Journal of Endocrinology</i> , 2021, 185, 729-741.	1.9	12
24	Melting Down Protein Stability: PAPS Synthase 2 in Patients and in a Cellular Environment. <i>Frontiers in Molecular Biosciences</i> , 2019, 6, 31.	1.6	10
25	Structural Determinants of Substrate Recognition and Catalysis by Heparan Sulfate Sulfotransferases. <i>ACS Catalysis</i> , 2021, 11, 10974-10987.	5.5	10
26	A potential transcriptional regulator is out-of-frame translated from the metallothionein 2A messenger RNA. <i>Analytical Biochemistry</i> , 2011, 409, 159-161.	1.1	9
27	Dimerization of the Sodium/Iodide Symporter. <i>Thyroid</i> , 2019, 29, 1485-1498.	2.4	9
28	Steroid disulfates - Sulfation double trouble. <i>Molecular and Cellular Endocrinology</i> , 2021, 524, 111161.	1.6	9
29	Disease-Related Protein Variants of the Highly Conserved Enzyme PAPSS2 Show Marginal Stability and Aggregation in Cells. <i>Frontiers in Molecular Biosciences</i> , 2022, 9, 860387.	1.6	5
30	Single-Domain Parvulins Constitute a Specific Marker for Recently Proposed Deep-Branching Archaeal Subgroups. <i>Evolutionary Bioinformatics</i> , 2011, 7, EBO.S7683.	0.6	4
31	Steroid Sulfation in Adrenal Tumors. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2021, 106, 3385-3397.	1.8	4
32	Steroid sulfation research has come a long way. <i>Journal of Molecular Endocrinology</i> , 2018, 61, E5-E6.	1.1	3
33	Cellular ATP Levels Determine the Stability of a Nucleotide Kinase. <i>Frontiers in Molecular Biosciences</i> , 2021, 8, 790304.	1.6	3
34	The solution structure of pGolemi, a high affinity Mena EVH1 binding miniature protein, suggests explanations for paralog-specific binding to Ena/VASP homology (EVH) 1 domains. <i>Biological Chemistry</i> , 2009, 390, 417-426.	1.2	2
35	Welcome to a SUPA issue. <i>Chemico-Biological Interactions</i> , 2016, 259, 1.	1.7	2
36	PAPS synthase 2 is the major PAPS-supplying enzyme for DHEA sulfation. <i>Endocrine Abstracts</i> , 0, , .	0.0	1

#	ARTICLE	IF	CITATIONS
37	A new regulator of small GTPases?. Trends in Biochemical Sciences, 2002, 27, 119.	3.7	0
38	Small World: A Plant Perspective on Human Sulfate Activation. Proceedings of the International Plant Sulfur Workshop, 2015, , 65-74.	0.1	0
39	PAPS-Synthase: Dissecting Folding of a Large and Naturally Fragile Protein In Vitro and In Cellulo. Biophysical Journal, 2017, 112, 58a.	0.2	0
40	Differential subcellular localization of human Parvulin Proteins is accomplished by a Great-Apes-specific mitochondrial targeting peptide. , 0, 2007, .		0
41	A Molecular Pin for hPin1 Elucidating the Interaction of the Human Peptidyl Prolyl cis/trans Isomerase Pin1 with Membrane Lipids. , 0, 2007, .		0
42	A mitochondrial targeting peptide specific to Great Apes is responsible for the differential subcellular localization of human Parvulins. , 0, 2007, .		0
43	Unravelling the Function of Human DNA-Binding Protein Par14 in the Cellular Nucleus. , 0, 2008, .		0
44	Structure and function analysis of oligomeric protein species of human 3'-phospho-5'-adenosine-phosphosulphate (PAPS) synthetases. , 0, 2009, .		0
45	Differential impact of PAPS synthases on human sulfation pathways. Endocrine Abstracts, 0, , .	0.0	0
46	An investigation into sodium-iodide symporter (NIS) dimerization and its impact on radioiodide uptake in thyroid cancer. Endocrine Abstracts, 0, , .	0.0	0