

# Ioannis Vakonakis

## List of Publications by Year in descending order

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Version: 2024-02-01

37  
papers

1,761  
citations

331538

21  
h-index

360920

35  
g-index

42  
all docs

42  
docs citations

42  
times ranked

2619  
citing authors

#	ARTICLE	IF	CITATIONS
1	The human cognition-enhancing <i>CORD7</i> mutation increases active zone number and synaptic release. <i>Brain</i> , 2022, 145, 3787-3802.	3.7	8
2	Structures of <i>SAS-6</i> coiled coil hold implications for the polarity of the centriolar cartwheel. <i>Structure</i> , 2022, 30, 671-684.e5.	1.6	4
3	The centriolar cartwheel structure: symmetric, stacked, and polarized. <i>Current Opinion in Structural Biology</i> , 2021, 66, 1-7.	2.6	10
4	A COVID moonshot: assessment of ligand binding to the SARS-CoV-2 main protease by saturation transfer difference NMR spectroscopy. <i>Journal of Biomolecular NMR</i> , 2021, 75, 167-178.	1.6	9
5	Structures of the <i>Plasmodium falciparum</i> heat-shock protein 70-x ATPase domain in complex with chemical fragments identify conserved and unique binding sites. <i>Acta Crystallographica Section F, Structural Biology Communications</i> , 2021, 77, 262-268.	0.4	3
6	The 3-phosphoinositide-dependent protein kinase 1 is an essential upstream activator of protein kinase A in malaria parasites. <i>PLoS Biology</i> , 2021, 19, e3001483.	2.6	9
7	Allosteric Inhibition of the SARS-CoV-2 Main Protease: Insights from Mass Spectrometry Based Assays**. <i>Angewandte Chemie</i> , 2020, 132, 23750-23754.	1.6	10
8	Allosteric Inhibition of the SARS-CoV-2 Main Protease: Insights from Mass Spectrometry Based Assays**. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 23544-23548.	7.2	92
9	Identification of compounds that bind the centriolar protein <i>SAS-6</i> and inhibit its oligomerization. <i>Journal of Biological Chemistry</i> , 2020, 295, 17922-17934.	1.6	2
10	Structure of the substrate-binding domain of <i>Plasmodium falciparum</i> heat-shock protein 70-x. <i>Acta Crystallographica Section F, Structural Biology Communications</i> , 2020, 76, 495-500.	0.4	8
11	The <i>Plasmodium falciparum</i> Hsp70-x chaperone assists the heat stress response of the malaria parasite. <i>FASEB Journal</i> , 2019, 33, 14611-14624.	0.2	39
12	A dynamically interacting flexible loop assists oligomerisation of the <i>Caenorhabditis elegans</i> centriolar protein <i>SAS-6</i> . <i>Scientific Reports</i> , 2019, 9, 3526.	1.6	3
13	The complex of <i>Plasmodium falciparum</i> falcipain-2 protease with an (E)-chalcone-based inhibitor highlights a novel, small, molecule-binding site. <i>Malaria Journal</i> , 2019, 18, 388.	0.8	19
14	Interaction between the <i>Caenorhabditis elegans</i> centriolar protein <i>SAS-5</i> and microtubules facilitates organelle assembly. <i>Molecular Biology of the Cell</i> , 2018, 29, 722-735.	0.9	8
15	Coupling Form and Function: How the Oligomerisation Symmetry of the <i>SAS-6</i> Protein Contributes to the Architecture of Centriole Organelles. <i>Symmetry</i> , 2017, 9, 74.	1.1	0
16	Structural analysis of <i>P. falciparum</i> KAHRP and PfEMP1 complexes with host erythrocyte spectrin suggests a model for cytoadherent knob protrusions. <i>PLoS Pathogens</i> , 2017, 13, e1006552.	2.1	26
17	A spiral scaffold underlies cytoadherent knobs in <i>Plasmodium falciparum</i> -infected erythrocytes. <i>Blood</i> , 2016, 127, 343-351.	0.6	50
18	<i>Plasmodium</i> Helical Interspersed Subtelomeric (PHIST) Proteins, at the Center of Host Cell Remodeling. <i>Microbiology and Molecular Biology Reviews</i> , 2016, 80, 905-927.	2.9	49

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19	<i>Plasmodium falciparum</i> helical interspersed subtelomeric proteins contribute to cytoadherence and anchor <i>P. falciparum</i> erythrocyte membrane protein 1 to the host cell cytoskeleton. <i>Cellular Microbiology</i> , 2016, 18, 1415-1428.	1.1	37
20	The centriolar protein CPAP G-box: an amyloid fibril in a single domain. <i>Biochemical Society Transactions</i> , 2015, 43, 838-843.	1.6	7
21	The <i>Caenorhabditis elegans</i> protein SAS-5 forms large oligomeric assemblies critical for centriole formation. <i>ELife</i> , 2015, 4, e07410.	2.8	37
22	A <i>Plasmodium falciparum</i> PHIST protein binds the virulence factor PfEMP1 and comigrates to knobs on the host cell surface. <i>FASEB Journal</i> , 2014, 28, 4420-4433.	0.2	78
23	Structural Analysis of the G-Box Domain of the Microcephaly Protein CPAP Suggests a Role in Centriole Architecture. <i>Structure</i> , 2013, 21, 2069-2077.	1.6	66
24	<i>Caenorhabditis elegans</i> centriolar protein SAS-6 forms a spiral that is consistent with imparting a ninefold symmetry. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013, 110, 11373-11378.	3.3	54
25	Structural Analysis of Collagen Type I Interactions with Human Fibronectin Reveals a Cooperative Binding Mode. <i>Journal of Biological Chemistry</i> , 2013, 288, 17441-17450.	1.6	67
26	Structural Analysis of the <i>Plasmodium falciparum</i> Erythrocyte Membrane Protein 1 (PfEMP1) Intracellular Domain Reveals a Conserved Interaction Epitope. <i>Journal of Biological Chemistry</i> , 2012, 287, 7182-7189.	1.6	53
27	The GPS Motif Is a Molecular Switch for Bimodal Activities of Adhesion Class G Protein-Coupled Receptors. <i>Cell Reports</i> , 2012, 2, 321-331.	2.9	123
28	Structural Basis of the 9-Fold Symmetry of Centrioles. <i>Cell</i> , 2011, 144, 364-375.	13.5	317
29	Multi-factorial modulation of IGD motogenic potential in MSF (Migration Stimulating Factor). <i>Experimental Cell Research</i> , 2010, 316, 2465-2476.	1.2	10
30	Implications for Collagen Binding from the Crystallographic Structure of Fibronectin 6Fn11â€“2Fn117Fn1. <i>Journal of Biological Chemistry</i> , 2010, 285, 33764-33770.	1.6	30
31	The Streptococcal Binding Site in the Gelatin-binding Domain of Fibronectin Is Consistent with a Non-linear Arrangement of Modules. <i>Journal of Biological Chemistry</i> , 2010, 285, 36977-36983.	1.6	15
32	Motogenic Sites in Human Fibronectin Are Masked by Long Range Interactions. <i>Journal of Biological Chemistry</i> , 2009, 284, 15668-15675.	1.6	46
33	Identification and structural analysis of type I collagen sites in complex with fibronectin fragments. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2009, 106, 4195-4200.	3.3	77
34	Latrophilin Signaling Links Anterior-Posterior Tissue Polarity and Oriented Cell Divisions in the <i>C.Ælegans</i> Embryo. <i>Developmental Cell</i> , 2009, 17, 494-504.	3.1	142
35	Solution Structure and Sugar-Binding Mechanism of Mouse Latrophilin-1 RBL: a 7TM Receptor-Attached Lectin-Like Domain. <i>Structure</i> , 2008, 16, 944-953.	1.6	65
36	Interdomain association in fibronectin: insight into cryptic sites and fibrillogenesis. <i>EMBO Journal</i> , 2007, 26, 2575-2583.	3.5	73

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37	Extracellular matrix: from atomic resolution to ultrastructure. <i>Current Opinion in Cell Biology</i> , 2007, 19, 578-583.	2.6	67