

# Ioannis Vakonakis

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/4658081/publications.pdf>

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  | Structural Basis of the 9-Fold Symmetry of Centrioles. <i>Cell</i> , 2011, 144, 364-375.                                                                                                                                                              | 13.5 | 317       |
| 2  | 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       |
| 3  | 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       |
| 4  | Allosteric Inhibition of the SARSâ€CoVâ€2 Main Protease: Insights from Mass Spectrometry Based Assays**. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 23544-23548.                                                                    | 7.2  | 92        |
| 5  | 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        |
| 6  | 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        |
| 7  | Interdomain association in fibronectin: insight into cryptic sites and fibrillogenesis. <i>EMBO Journal</i> , 2007, 26, 2575-2583.                                                                                                                    | 3.5  | 73        |
| 8  | Extracellular matrix: from atomic resolution to ultrastructure. <i>Current Opinion in Cell Biology</i> , 2007, 19, 578-583.                                                                                                                           | 2.6  | 67        |
| 9  | 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        |
| 10 | 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        |
| 11 | 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        |
| 12 | <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        |
| 13 | 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        |
| 14 | A spiral scaffold underlies cytoadherent knobs in <i>Plasmodium falciparum</i> â€infected erythrocytes. <i>Blood</i> , 2016, 127, 343-351.                                                                                                            | 0.6  | 50        |
| 15 | <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        |
| 16 | Motogenic Sites in Human Fibronectin Are Masked by Long Range Interactions. <i>Journal of Biological Chemistry</i> , 2009, 284, 15668-15675.                                                                                                          | 1.6  | 46        |
| 17 | The <i>Plasmodium falciparum</i> Hsp70â€x chaperone assists the heat stress response of the malaria parasite. <i>FASEB Journal</i> , 2019, 33, 14611-14624.                                                                                           | 0.2  | 39        |
| 18 | <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        |

| #  | ARTICLE                                                                                                                                                                                                                                                              | IF  | CITATIONS |
|----|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|-----------|
| 19 | 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        |
| 20 | Implications for Collagen Binding from the Crystallographic Structure of Fibronectin 6Fn11â€™2Fn17Fn1. <i>Journal of Biological Chemistry</i> , 2010, 285, 33764-33770.                                                                                              | 1.6 | 30        |
| 21 | 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        |
| 22 | 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        |
| 23 | 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        |
| 24 | Multi-factorial modulation of IGD motogenic potential in MSF (Migration Stimulating Factor). <i>Experimental Cell Research</i> , 2010, 316, 2465-2476.                                                                                                               | 1.2 | 10        |
| 25 | Allosteric Inhibition of the SARSâ€™CoVâ€™2 Main Protease: Insights from Mass Spectrometry Based Assays**. <i>Angewandte Chemie</i> , 2020, 132, 23750-23754.                                                                                                        | 1.6 | 10        |
| 26 | The centriolar cartwheel structure: symmetric, stacked, and polarized. <i>Current Opinion in Structural Biology</i> , 2021, 66, 1-7.                                                                                                                                 | 2.6 | 10        |
| 27 | 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         |
| 28 | The 3-phosphoinositideâ€™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         |
| 29 | Interaction between the <i>Caenorhabditis elegans</i> centriolar protein SAS-5 and microtubules facilitates organelle assembly. <i>Molecular Biology of the Cell</i> , 2018, 29, 722-735.                                                                            | 0.9 | 8         |
| 30 | 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         |
| 31 | 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         |
| 32 | 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         |
| 33 | Structures of SAS-6 coiled coil hold implications for the polarity of the centriolar cartwheel. <i>Structure</i> , 2022, 30, 671-684.e5.                                                                                                                             | 1.6 | 4         |
| 34 | A dynamically interacting flexible loop assists oligomerisation of the <i>Caenorhabditis elegans</i> centriolar protein SAS-6. <i>Scientific Reports</i> , 2019, 9, 3526.                                                                                            | 1.6 | 3         |
| 35 | 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         |
| 36 | Identification of compounds that bind the centriolar protein SAS-6 and inhibit its oligomerization. <i>Journal of Biological Chemistry</i> , 2020, 295, 17922-17934.                                                                                                 | 1.6 | 2         |

| #  | ARTICLE                                                                                                                                                                   | IF  | CITATIONS |
|----|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|-----------|
| 37 | Coupling Form and Function: How the Oligomerisation Symmetry of the SAS-6 Protein Contributes to the Architecture of Centriole Organelles. <i>Symmetry</i> , 2017, 9, 74. | 1.1 | 0         |