

# Yoni Haitin

## List of Publications by Year in descending order

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33  
papers

1,176  
citations

471509

17  
h-index

414414

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g-index

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all docs

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docs citations

38  
times ranked

1523  
citing authors

| #  | ARTICLE  | IF   | CITATIONS |
|----|--|------|-----------|
| 1  | Structural basis for long-chain isoprenoid synthesis by <i>cis</i> -prenyltransferases. Science Advances, 2022, 8, eabn1171.   | 10.3 | 3         |
| 2  | Membrane Interaction of Human CLIC5 is Facilitated by Dioxidation of a Conserved Cysteine and Drives Membrane Fusion. Biophysical Journal, 2021, 120, 291a.  | 0.5  | 0         |
| 3  | Two de novo GluN2B mutations affect multiple NMDAR-functions and instigate severe pediatric encephalopathy. ELife, 2021, 10, .   | 6.0  | 14        |
| 4  | Conserved cysteine dioxidation enhances membrane interaction of human Cl <sup>−</sup> intracellular channel 5. FASEB Journal, 2020, 34, 9925-9940.   | 0.5  | 4         |
| 5  | Structural basis of heterotetrameric assembly and disease mutations in the human <i>cis</i> -prenyltransferase complex. Nature Communications, 2020, 11, 5273.   | 12.8 | 23        |
| 6  | Structure of KCNH2 cyclic nucleotide-binding homology domain reveals a functionally vital salt-bridge. Journal of General Physiology, 2020, 152, .   | 1.9  | 7         |
| 7  | Metal Coordination Is Crucial for Geranylgeranyl Diphosphate Synthase–Bisphosphonate Interactions: A Crystallographic and Computational Analysis. Molecular Pharmacology, 2019, 96, 580-588.                     | 2.3  | 5         |
| 8  | Structural Characterization of Full-Length Human Dehydrodolichyl Diphosphate Synthase Using an Integrative Computational and Experimental Approach. Biomolecules, 2019, 9, 660.                                  | 4.0  | 10        |
| 9  | Inactivation gating of Kv7.1 channels does not involve concerted cooperative subunit interactions. Channels, 2018, 12, 89-99.  | 2.8  | 4         |
| 10 | <i>Trans</i> -binding of UFM1 to UBA5 stimulates UBA5 homodimerization and ATP binding. FASEB Journal, 2018, 32, 2794-2802.  | 0.5  | 16        |
| 11 | Reduced Activity of Geranylgeranyl Diphosphate Synthase Mutant Is Involved in Bisphosphonate-Induced Atypical Fractures. Molecular Pharmacology, 2018, 94, 1391-1400.  | 2.3  | 10        |
| 12 | Inherent flexibility of CLIC6 revealed by crystallographic and solution studies. Scientific Reports, 2018, 8, 6882.  | 3.3  | 18        |
| 13 | Competition of calcified calmodulin N lobe and PIP <sub>2</sub> to an LQT mutation site in Kv7.1 channel. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, E869-E878. | 7.1  | 46        |
| 14 | Purification and characterization of human dehydrodolichyl diphosphate synthase (DHDDS) overexpressed in E. coli. Protein Expression and Purification, 2017, 132, 138-142.                                       | 1.3  | 12        |
| 15 | CryoEM structure of a prokaryotic cyclic nucleotide-gated ion channel. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, 4430-4435.                                    | 7.1  | 51        |
| 16 | The Crystal Structure and Conformations of an Unbranched Mixed Tri-Ubiquitin Chain Containing K48 and K63 Linkages. Journal of Molecular Biology, 2017, 429, 3801-3813.  | 4.2  | 3         |
| 17 | Ca <sup>2+</sup> -Calmodulin and PIP <sub>2</sub> interactions at the proximal C-terminus of Kv7 channels. Channels, 2017, 11, 686-695.  | 2.8  | 28        |
| 18 | Structure-based dynamic arrays in regulatory domains of sodium-calcium exchanger (NCX) isoforms. Scientific Reports, 2017, 7, 993.   | 3.3  | 21        |

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|----|---|------|-----------|
| 19 | Overexpression and Purification of Human <em>Cis</em>-prenyltransferase in <em>Escherichia coli</em>. Journal of Visualized Experiments, 2017, , .  | 0.3  | 7         |
| 20 | Long QT mutations disrupt <i>IKS</i> regulation by PKA and PIP2 at the same KCNQ1 helix C-KCNE1 interface. Journal of Cell Science, 2014, 127, 3943-55.   | 2.0  | 38        |
| 21 | A 'funny' cyclic dinucleotide receptor. Nature Chemical Biology, 2014, 10, 413-414.   | 8.0  | 1         |
| 22 | Recent molecular insights from mutated IKS channels in cardiac arrhythmia. Current Opinion in Pharmacology, 2014, 15, 74-82.  | 3.5  | 30        |
| 23 | The structural mechanism of KCNH-channel regulation by the eag domain. Nature, 2013, 501, 444-448.  | 27.8 | 100       |
| 24 | The Distal Kcne1 C-Terminus is Crucial for Yotiao Mediated Pka-Dependent Phosphorylation of KCNQ1. Biophysical Journal, 2013, 104, 210a.  | 0.5  | 1         |
| 25 | KCNQ1 Channels Do Not Undergo Concerted but Sequential Gating Transitions in Both the Absence and the Presence of KCNE1 Protein. Journal of Biological Chemistry, 2012, 287, 34212-34224.                       | 3.4  | 28        |
| 26 | Molecular mechanism for 3:1 subunit stoichiometry of rod cyclic nucleotide-gated ion channels. Nature Communications, 2011, 2, 457.   | 12.8 | 84        |
| 27 | Targeting the voltage sensor of Kv7.2 voltage-gated K<sup>+</sup> channels with a new gating-modifier. Proceedings of the National Academy of Sciences of the United States of America, 2010, 107, 15637-15642. | 7.1  | 81        |
| 28 | Intracellular domains interactions and gated motions of IKS potassium channel subunits. EMBO Journal, 2009, 28, 1994-2005.  | 7.8  | 45        |
| 29 | The C-terminus of Kv7 channels: a multifunctional module. Journal of Physiology, 2008, 586, 1803-1810.  | 2.9  | 122       |
| 30 | The KCNQ1 (Kv7.1) COOH Terminus, a Multitiered Scaffold for Subunit Assembly and Protein Interaction. Journal of Biological Chemistry, 2008, 283, 5815-5830.  | 3.4  | 123       |
| 31 | KCNE1 Constrains the Voltage Sensor of Kv7.1 K <sup>+</sup> Channels. PLoS ONE, 2008, 3, e1943.   | 2.5  | 37        |
| 32 | S1 Constrains S4 in the Voltage Sensor Domain of Kv7.1 K <sup>+</sup> Channels. PLoS ONE, 2008, 3, e1935.   | 2.5  | 21        |
| 33 | Calmodulin Is Essential for Cardiac IKS Channel Gating and Assembly. Circulation Research, 2006, 98, 1055-1063.   | 4.5  | 182       |