

# Gildas Loussouarn

## List of Publications by Year in descending order

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39  
papers

2,864  
citations

279487

23  
h-index

301761

39  
g-index

39  
all docs

39  
docs citations

39  
times ranked

3259  
citing authors

#	ARTICLE	IF	CITATIONS
1	Human model of <i>IRX5</i> mutations reveals key role for this transcription factor in ventricular conduction. <i>Cardiovascular Research</i> , 2021, 117, 2092-2107.	1.8	17
2	Modelling sudden cardiac death risks factors in patients with coronavirus disease of 2019: the hydroxychloroquine and azithromycin case. <i>Europace</i> , 2021, 23, 1124-1136.	0.7	8
3	A consistent arrhythmogenic trait in Brugada syndrome cellular phenotype. <i>Clinical and Translational Medicine</i> , 2021, 11, e413.	1.7	5
4	A standardised hERG phenotyping pipeline to evaluate KCNH2 genetic variant pathogenicity. <i>Clinical and Translational Medicine</i> , 2021, 11, e609.	1.7	7
5	Up-regulation of voltage-gated sodium channels by peptides mimicking S4-S5 linkers reveals a variation of the ligand-receptor mechanism. <i>Scientific Reports</i> , 2020, 10, 5852.	1.6	3
6	Voltage-dependent activation in EAG channels follows a ligand-receptor rather than a mechanical-lever mechanism. <i>Journal of Biological Chemistry</i> , 2019, 294, 6506-6521.	1.6	11
7	Phosphatidylinositol (4,5)-bisphosphate-mediated pathophysiological effect of HIV-1 Tat protein. <i>Biochimie</i> , 2017, 141, 80-85.	1.3	5
8	hERG S4-S5 linker acts as a voltage-dependent ligand that binds to the activation gate and locks it in a closed state. <i>Scientific Reports</i> , 2017, 7, 113.	1.6	15
9	C-terminal phosphorylation of NaV1.5 impairs FGF13-dependent regulation of channel inactivation. <i>Journal of Biological Chemistry</i> , 2017, 292, 17431-17448.	1.6	33
10	Marine n-3 PUFAs modulate IKs gating, channel expression, and location in membrane microdomains. <i>Cardiovascular Research</i> , 2015, 105, 223-232.	1.8	24
11	Structure of a Prokaryotic Sodium Channel Pore Reveals Essential Gating Elements and an Outer Ion Binding Site Common to Eukaryotic Channels. <i>Journal of Molecular Biology</i> , 2014, 426, 467-483.	2.0	129
12	A Long QT Mutation Substitutes Cholesterol for Phosphatidylinositol-4,5-Bisphosphate in KCNQ1 Channel Regulation. <i>PLoS ONE</i> , 2014, 9, e93255.	1.1	20
13	Cholesterol regulation of ion channels. <i>Channels</i> , 2013, 7, 415-416.	1.5	5
14	Multifocal Ectopic Purkinje-Related Premature Contractions. <i>Journal of the American College of Cardiology</i> , 2012, 60, 144-156.	1.2	156
15	The S4-S5 Linker of KCNQ1 Channels Forms a Structural Scaffold with the S6 Segment Controlling Gate Closure. <i>Journal of Biological Chemistry</i> , 2011, 286, 717-725.	1.6	50
16	KCNQ1 Channels Voltage Dependence through a Voltage-dependent Binding of the S4-S5 Linker to the Pore Domain. <i>Journal of Biological Chemistry</i> , 2011, 286, 707-716.	1.6	49
17	KCNE1-KCNQ1 osmoregulation by interaction of phosphatidylinositol-4,5-bisphosphate with Mg <sup>2+</sup> and polyamines. <i>Journal of Physiology</i> , 2010, 588, 3471-3483.	1.3	18
18	Neural modulation of ion channels in cardiac arrhythmias: Clinical implications and future investigations. <i>Heart Rhythm</i> , 2010, 7, 847-849.	0.3	1

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19	Phosphatidylinositol-4,5-Bisphosphate (PIP2) Stabilizes the Open Pore Conformation of the Kv11.1 (hERG) Channel. <i>Biophysical Journal</i> , 2010, 99, 1110-1118.	0.2	31
20	Delayed rectifier K <sup>+</sup> currents and cardiac repolarization. <i>Journal of Molecular and Cellular Cardiology</i> , 2010, 48, 37-44.	0.9	71
21	LQT1-associated Mutations Increase KCNQ1 Proteasomal Degradation Independently of Derlin-1. <i>Journal of Biological Chemistry</i> , 2009, 284, 5250-5256.	1.6	25
22	Ventricular Fibrillation with Prominent Early Repolarization Associated with a Rare Variant of KCNJ8/K <sub>ATP</sub> Channel. <i>Journal of Cardiovascular Electrophysiology</i> , 2009, 20, 93-98.	0.8	269
23	Transfer of Rolf S3-S4 Linker to hERG Eliminates Activation Gating but Spares Inactivation. <i>Biophysical Journal</i> , 2009, 97, 1323-1334.	0.2	7
24	Kv7.1 (KCNQ1) properties and channelopathies. <i>Journal of Physiology</i> , 2008, 586, 1785-1789.	1.3	96
25	I <sub>Ks</sub> response to protein kinase A-dependent KCNQ1 phosphorylation requires direct interaction with microtubules. <i>Cardiovascular Research</i> , 2008, 79, 427-435.	1.8	47
26	The Signaling Adaptor Protein CD31 <sup>+</sup> Is a Negative Regulator of Dendrite Development in Young Neurons. <i>Molecular Biology of the Cell</i> , 2008, 19, 2444-2456.	0.9	33
27	Impaired KCNQ1-KCNE1 and Phosphatidylinositol-4,5-Bisphosphate Interaction Underlies the Long QT Syndrome. <i>Circulation Research</i> , 2005, 96, 730-739.	2.0	106
28	Expression of human ERG K channels in the mouse heart exerts anti-arrhythmic activity. <i>Cardiovascular Research</i> , 2005, 65, 128-137.	1.8	19
29	Molecular Basis of Inward Rectification: Structural Features of the Blocker Defined by Extended Polyamine Analogs. <i>Molecular Pharmacology</i> , 2005, 68, 298-304.	1.0	19
30	Molecular Basis of Inward Rectification. <i>Journal of General Physiology</i> , 2004, 124, 541-554.	0.9	68
31	Phosphatidylinositol-4,5-bisphosphate, PIP2, controls KCNQ1/KCNE1 voltage-gated potassium channels: a functional homology between voltage-gated and inward rectifier K <sup>+</sup> channels. <i>EMBO Journal</i> , 2003, 22, 5412-5421.	3.5	203
32	Structural Basis of Inward Rectifying Potassium Channel Gating. <i>Trends in Cardiovascular Medicine</i> , 2002, 12, 253-258.	2.3	25
33	ATP Interaction with the Open State of the K <sub>ATP</sub> Channel. <i>Biophysical Journal</i> , 2001, 80, 719-728.	0.2	53
34	Dynamic Sensitivity of ATP-sensitive K <sup>+</sup> Channels to ATP. <i>Journal of Biological Chemistry</i> , 2001, 276, 29098-29103.	1.6	33
35	Flexibility of the Kir6.2 inward rectifier K <sup>+</sup> channel pore. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2001, 98, 4227-4232.	3.3	49
36	Structure and Dynamics of the Pore of Inwardly Rectifying K <sub>ATP</sub> Channels. <i>Journal of Biological Chemistry</i> , 2000, 275, 1137-1144.	1.6	87

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37	A Novel Method for Measurement of Submembrane ATP Concentration. Journal of Biological Chemistry, 2000, 275, 30046-30049.	1.6	257
38	The Kinetic and Physical Basis of KATP Channel Gating: Toward a Unified Molecular Understanding. Biophysical Journal, 2000, 78, 2334-2348.	0.2	157
39	Polyethylenimine but Not Cationic Lipids Promotes Transgene Delivery to the Nucleus in Mammalian Cells. Journal of Biological Chemistry, 1998, 273, 7507-7511.	1.6	653