

# Luigi Sforna

## List of Publications by Year in descending order

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Version: 2024-02-01

28  
papers

738  
citations

567144

15  
h-index

526166

27  
g-index

31  
all docs

31  
docs citations

31  
times ranked

1150  
citing authors

#	ARTICLE	IF	CITATIONS
1	Thymosin $\hat{\pm}$ 1 represents a potential potent single-molecule-based therapy for cystic fibrosis. <i>Nature Medicine</i> , 2017, 23, 590-600.	15.2	91
2	Dexamethasone in Glioblastoma Multiforme Therapy: Mechanisms and Controversies. <i>Frontiers in Molecular Neuroscience</i> , 2019, 12, 65.	1.4	64
3	Serum-activated K and Cl currents underlay U87-MG glioblastoma cell migration. <i>Journal of Cellular Physiology</i> , 2011, 226, 1926-1933.	2.0	58
4	Gain-of-function defects of astrocytic Kir4.1 channels in children with autism spectrum disorders and epilepsy. <i>Scientific Reports</i> , 2016, 6, 34325.	1.6	56
5	Trigeminal ganglion neuron subtype-specific alterations of $Ca_{V2.1}$ calcium current and excitability in a <i>Cacna1a</i> mouse model of migraine. <i>Journal of Physiology</i> , 2011, 589, 5879-5895.	1.3	53
6	BK channels blockage inhibits hypoxia-induced migration and chemoresistance to cisplatin in human glioblastoma cells. <i>Journal of Cellular Physiology</i> , 2018, 233, 6866-6877.	2.0	47
7	Overexpression of Large-Conductance Calcium-Activated Potassium Channels in Human Glioblastoma Stem-Like Cells and Their Role in Cell Migration. <i>Journal of Cellular Physiology</i> , 2017, 232, 2478-2488.	2.0	41
8	Structure, Gating and Basic Functions of the $Ca^{2+}$ -activated K Channel of Intermediate Conductance. <i>Current Neuropharmacology</i> , 2018, 16, 608-617.	1.4	40
9	Histamine hyperpolarizes human glioblastoma cells by activating the intermediate-conductance $Ca^{2+}$ -activated $K^{+}$ channel. <i>American Journal of Physiology - Cell Physiology</i> , 2009, 297, C102-C110.	2.1	31
10	Identification of Key Signaling Molecules Involved in the Activation of the Swelling-Activated Chloride Current in Human Glioblastoma Cells. <i>Journal of Membrane Biology</i> , 2014, 247, 45-55.	1.0	31
11	Hypoxia Modulates the Swelling-Activated Cl Current in Human Glioblastoma Cells: Role in Volume Regulation and Cell Survival. <i>Journal of Cellular Physiology</i> , 2017, 232, 91-100.	2.0	26
12	Energy harvesting from a bio cell. <i>Nano Energy</i> , 2019, 56, 823-827.	8.2	23
13	Reconciling the discrepancies on the involvement of large-conductance $Ca^{2+}$ -activated K channels in glioblastoma cell migration. <i>Frontiers in Cellular Neuroscience</i> , 2015, 9, 152.	1.8	21
14	Kv1.3 activity perturbs the homeostatic properties of astrocytes in glioma. <i>Scientific Reports</i> , 2018, 8, 7654.	1.6	19
15	Ion Channels in Glioma Malignancy. <i>Reviews of Physiology, Biochemistry and Pharmacology</i> , 2020, , 223-267.	0.9	17
16	The role of ion channels in the hypoxia-induced aggressiveness of glioblastoma. <i>Frontiers in Cellular Neuroscience</i> , 2014, 8, 467.	1.8	16
17	A Calsequestrin-1 Mutation Associated with a Skeletal Muscle Disease Alters Sarcoplasmic $Ca^{2+}$ Release. <i>PLoS ONE</i> , 2016, 11, e0155516.	1.1	15
18	Piezo1 controls cell volume and migration by modulating swelling-activated chloride current through $Ca^{2+}$ influx. <i>Journal of Cellular Physiology</i> , 2022, 237, 1857-1870.	2.0	15

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19	The Volume-Regulated Anion Channel in Glioblastoma. <i>Cancers</i> , 2019, 11, 307.	1.7	14
20	Voltage-dependent gating in K channels: experimental results and quantitative models. <i>Pflugers Archiv European Journal of Physiology</i> , 2020, 472, 27-47.	1.3	14
21	Multiscale modeling shows that dielectric differences make NaV channels faster than KV channels. <i>Journal of General Physiology</i> , 2021, 153, .	0.9	11
22	Cellular proteostasis: a new twist in the action of thymosin $\beta$ 4. <i>Expert Opinion on Biological Therapy</i> , 2018, 18, 43-48.	1.4	7
23	Anakinra restores cellular proteostasis by coupling mitochondrial redox balance to autophagy. <i>Journal of Clinical Investigation</i> , 2022, 132, .	3.9	7
24	Ca <sup>2+</sup> -dependent and Ca <sup>2+</sup> -independent somatic release from trigeminal neurons. <i>Journal of Cellular Physiology</i> , 2019, 234, 10977-10989.	2.0	6
25	A method to identify tissue cell subpopulations with distinct multi-molecular profiles from data on co-localization of two markers at a time: the case of sensory ganglia. <i>Journal of Neuroscience Methods</i> , 2014, 224, 88-95.	1.3	4
26	Cromakalim activates the KATP and enhances spontaneous transient outward potassium currents in rat saphenous arterial myocytes. <i>Pharmacological Research</i> , 2008, 57, 398-402.	3.1	3
27	Expression and function of a CP339,818-sensitive K <sup>+</sup> current in a subpopulation of putative nociceptive neurons from adult mouse trigeminal ganglia. <i>Journal of Neurophysiology</i> , 2015, 113, 2653-2665.	0.9	3
28	Reply to $\beta$ 508del-CFTR is not corrected by thymosin $\beta$ 4 <sup>TM</sup> . <i>Nature Medicine</i> , 2018, 24, 891-893.	15.2	2