

# Francesca Tonelli

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/4598052/publications.pdf>

Version: 2024-02-01

25  
papers

3,146  
citations

361413

20  
h-index

580821

25  
g-index

38  
all docs

38  
docs citations

38  
times ranked

3625  
citing authors

#	ARTICLE	IF	CITATIONS
1	Phosphoproteomics reveals that Parkinson's disease kinase LRRK2 regulates a subset of Rab GTPases. <i>ELife</i> , 2016, 5, .	6.0	766
2	Rab29 activation of the Parkinson's disease-associated LRRK2 kinase. <i>EMBO Journal</i> , 2018, 37, 1-18.	7.8	386
3	Systematic proteomic analysis of LRRK2-mediated Rab GTPase phosphorylation establishes a connection to ciliogenesis. <i>ELife</i> , 2017, 6, .	6.0	344
4	A pathway for Parkinson's Disease LRRK2 kinase to block primary cilia and Sonic hedgehog signaling in the brain. <i>ELife</i> , 2018, 7, .	6.0	170
5	FTY720 and (S)-FTY720 vinylphosphonate inhibit sphingosine kinase 1 and promote its proteasomal degradation in human pulmonary artery smooth muscle, breast cancer and androgen-independent prostate cancer cells. <i>Cellular Signalling</i> , 2010, 22, 1536-1542.	3.6	169
6	The Parkinson's disease VPS35[D620N] mutation enhances LRRK2-mediated Rab protein phosphorylation in mouse and human. <i>Biochemical Journal</i> , 2018, 475, 1861-1883.	3.7	157
7	Phos-tag analysis of Rab10 phosphorylation by LRRK2: a powerful assay for assessing kinase function and inhibitors. <i>Biochemical Journal</i> , 2016, 473, 2671-2685.	3.7	147
8	Development of phospho-specific Rab protein antibodies to monitor <i>in vivo</i> activity of the LRRK2 Parkinson's disease kinase. <i>Biochemical Journal</i> , 2018, 475, 1-22.	3.7	123
9	Sphingosine 1-phosphate signalling in cancer. <i>Biochemical Society Transactions</i> , 2012, 40, 94-100.	3.4	109
10	FTY720 Analogues as Sphingosine Kinase 1 Inhibitors. <i>Journal of Biological Chemistry</i> , 2011, 286, 18633-18640.	3.4	107
11	The Sphingosine Kinase 1 Inhibitor 2-(p-Hydroxyanilino)-4-(p-chlorophenyl)thiazole Induces Proteasomal Degradation of Sphingosine Kinase 1 in Mammalian Cells*. <i>Journal of Biological Chemistry</i> , 2010, 285, 38841-38852.	3.4	106
12	PPM1H phosphatase counteracts LRRK2 signaling by selectively dephosphorylating Rab proteins. <i>ELife</i> , 2019, 8, .	6.0	94
13	Pathogenic LRRK2 control of primary cilia and Hedgehog signaling in neurons and astrocytes of mouse brain. <i>ELife</i> , 2021, 10, .	6.0	47
14	The roles of sphingosine kinases 1 and 2 in regulating the Warburg effect in prostate cancer cells. <i>Cellular Signalling</i> , 2013, 25, 1011-1017.	3.6	46
15	Accurate MS-based Rab10 Phosphorylation Stoichiometry Determination as Readout for LRRK2 Activity in Parkinson's Disease. <i>Molecular and Cellular Proteomics</i> , 2020, 19, 1546-1560.	3.8	45
16	TGF $\beta$ 1 evokes myoblast apoptotic response via a novel signaling pathway involving S1P <sub>4</sub> transactivation upstream of Rho-kinase activation. <i>FASEB Journal</i> , 2013, 27, 4532-4546.	0.5	41
17	Targeting sphingosine kinase 1 in cancer. <i>Advances in Biological Regulation</i> , 2012, 52, 31-38.	2.3	37
18	Development of a multiplexed targeted mass spectrometry assay for LRRK2-phosphorylated Rabs and Ser910/Ser935 biomarker sites. <i>Biochemical Journal</i> , 2021, 478, 299-326.	3.7	37

#	ARTICLE	IF	CITATIONS
19	Inhibition kinetics and regulation of sphingosine kinase 1 expression in prostate cancer cells: Functional differences between sphingosine kinase 1a and 1b. <i>International Journal of Biochemistry and Cell Biology</i> , 2012, 44, 1457-1464.	2.8	36
20	Deciphering the LRRK code: LRRK1 and LRRK2 phosphorylate distinct Rab proteins and are regulated by diverse mechanisms. <i>Biochemical Journal</i> , 2021, 478, 553-578.	3.7	32
21	LRRK2-phosphorylated Rab10 sequesters Myosin Va with RILPL2 during ciliogenesis blockade. <i>Life Science Alliance</i> , 2021, 4, e202101050.	2.8	29
22	A chemical-genetics approach to study the role of atypical protein kinase C in <i>Drosophila</i> . <i>Development (Cambridge)</i> , 2019, 146, .	2.5	22
23	The sphingosine kinase inhibitor 2-((4-hydroxyphenyl)thiazole) reduces androgen receptor expression via an oxidative stress-dependent mechanism. <i>British Journal of Pharmacology</i> , 2013, 168, 1497-1505.	5.4	16
24	The Roles of Sphingosine Kinase 1 and 2 in Regulating the Metabolome and Survival of Prostate Cancer Cells. <i>Biomolecules</i> , 2013, 3, 316-333.	4.0	13
25	Human Peripheral Blood Neutrophil Isolation for Interrogating the Parkinson's Associated LRRK2 Kinase Pathway by Assessing Rab10 Phosphorylation. <i>Journal of Visualized Experiments</i> , 2020, , .	0.3	9