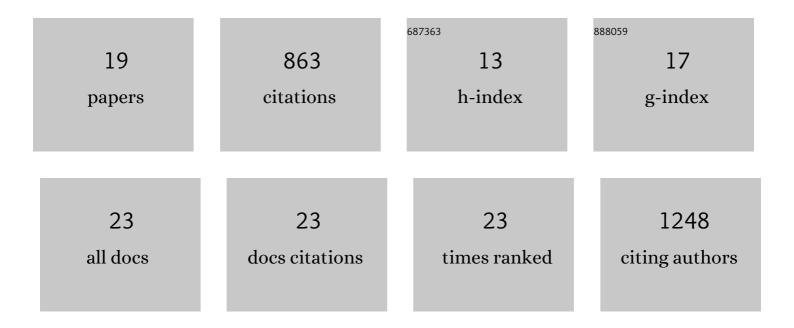
## **Gabriel Piedrafita**

List of Publications by Year in descending order

Source: https://exaly.com/author-pdf/1773436/publications.pdf Version: 2024-02-01



#	Article	IF	CITATIONS
1	Mutant clones in normal epithelium outcompete and eliminate emerging tumours. Nature, 2021, 598, 510-514.	27.8	95
2	Cysteine and iron accelerate the formation of ribose-5-phosphate, providing insights into the evolutionary origins of the metabolic network structure. PLoS Biology, 2021, 19, e3001468.	5.6	14
3	Mutations in Non-Tumoral Human Urothelium: Disease Prelude or Epilogue?. Bladder Cancer, 2020, 6, 249-252.	0.4	0
4	Spatial competition shapes the dynamic mutational landscape of normal esophageal epithelium. Nature Genetics, 2020, 52, 604-614.	21.4	107
5	A single-progenitor model as the unifying paradigm of epidermal and esophageal epithelial maintenance in mice. Nature Communications, 2020, 11, 1429.	12.8	57
6	Outcompeting p53-Mutant Cells in the Normal Esophagus by Redox Manipulation. Cell Stem Cell, 2019, 25, 329-341.e6.	11.1	88
7	Epidermal Tissue Adapts to Restrain Progenitors Carrying Clonal p53 Mutations. Cell Stem Cell, 2018, 23, 687-699.e8.	11.1	72
8	Permeability-driven selection in a semi-empirical protocell model: the roots of prebiotic systems evolution. Scientific Reports, 2017, 7, 3141.	3.3	30
9	Nonenzymatic gluconeogenesis-like formation of fructose 1,6-bisphosphate in ice. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, 7403-7407.	7.1	48
10	Identifying ultrasensitive HGF dose-response functions in a 3D mammalian system for synthetic morphogenesis. Scientific Reports, 2016, 6, 39178.	3.3	7
11	The Impact of Non-Enzymatic Reactions and Enzyme Promiscuity on Cellular Metabolism during (Oxidative) Stress Conditions. Biomolecules, 2015, 5, 2101-2122.	4.0	69
12	The widespread role of non-enzymatic reactions in cellular metabolism. Current Opinion in Biotechnology, 2015, 34, 153-161.	6.6	105
13	Simulating a Model of Metabolic Closure. Biological Theory, 2013, 8, 383-390.	1.5	24
14	Viability Conditions for a Compartmentalized Protometabolic System: A Semi-Empirical Approach. PLoS ONE, 2012, 7, e39480.	2.5	23
15	Size matters: Influence of stochasticity on the self-maintenance of a simple model of metabolic closure. Journal of Theoretical Biology, 2012, 300, 143-151.	1.7	12
16	Stochastic Simulations of Mixed-Lipid Compartments: From Self-Assembling Vesicles to Self-Producing Protocells. Advances in Experimental Medicine and Biology, 2011, 696, 689-696.	1.6	4
17	On the Transition from Prebiotic to Proto-biological Membranes: From â€~Self-assembly' to â€~Self-production'. Lecture Notes in Computer Science, 2011, , 256-264.	1.3	0
18	A Simple Self-Maintaining Metabolic System: Robustness, Autocatalysis, Bistability. PLoS Computational Biology, 2010, 6, e1000872.	3.2	52

#	Article	IF	CITATIONS
19	Allele-Specific Gene Expression Is Widespread Across the Genome and Biological Processes. PLoS ONE, 2009, 4, e4150.	2.5	44