

# Yann Gambin

## List of Publications by Year in descending order

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71  
papers

3,376  
citations

147801

31  
h-index

155660

55  
g-index

91  
all docs

91  
docs citations

91  
times ranked

5015  
citing authors

#	ARTICLE	IF	CITATIONS
1	Single Molecule Fingerprinting Reveals Different Amplification Properties of $\alpha$ -Synuclein Oligomers and Preformed Fibrils in Seeding Assay. ACS Chemical Neuroscience, 2022, 13, 883-896.	3.5	7
2	The RHIM of the Immune Adaptor Protein TRIF Forms Hybrid Amyloids with Other Necroptosis-Associated Proteins. Molecules, 2022, 27, 3382.	3.8	3
3	An inverted CAV1 (caveolin 1) topology defines novel autophagy-dependent exosome secretion from prostate cancer cells. Autophagy, 2021, 17, 2200-2216.	9.1	21
4	Herpes simplex virus encoded ICP6 protein forms functional amyloid assemblies with necroptosis-associated host proteins. Biophysical Chemistry, 2021, 269, 106524.	2.8	20
5	Rapid HIV-1 Capsid Interaction Screening Using Fluorescence Fluctuation Spectroscopy. Analytical Chemistry, 2021, 93, 3786-3793.	6.5	4
6	A robust method for particulate detection of a genetic tag for 3D electron microscopy. ELife, 2021, 10, .	6.0	16
7	Single-Molecule Counting Coupled to Rapid Amplification Enables Detection of $\alpha$ -Synuclein Aggregates in Cerebrospinal Fluid of Parkinson's Disease Patients. Angewandte Chemie - International Edition, 2021, 60, 11874-11883.	13.8	17
8	Single-Molecule Counting Coupled to Rapid Amplification Enables Detection of $\alpha$ -Synuclein Aggregates in Cerebrospinal Fluid of Parkinson's Disease Patients. Angewandte Chemie, 2021, 133, 11981-11990.	2.0	11
9	MyD88 TIR domain higher-order assembly interactions revealed by microcrystal electron diffraction and serial femtosecond crystallography. Nature Communications, 2021, 12, 2578.	12.8	55
10	Cavin3 released from caveolae interacts with BRCA1 to regulate the cellular stress response. ELife, 2021, 10, .	6.0	11
11	A dominant-negative SOX18 mutant disrupts multiple regulatory layers essential to transcription factor activity. Nucleic Acids Research, 2021, 49, 10931-10955.	14.5	7
12	Selectivity of Lewy body protein interactions along the aggregation pathway of $\alpha$ -synuclein. Communications Biology, 2021, 4, 1124.	4.4	19
13	Characterising proteolysis during SARS-CoV-2 infection identifies viral cleavage sites and cellular targets with therapeutic potential. Nature Communications, 2021, 12, 5553.	12.8	76
14	SARS-CoV-2 proteases PLpro and 3CLpro cleave IRF3 and critical modulators of inflammatory pathways (NLRP12 and TAB1): implications for disease presentation across species. Emerging Microbes and Infections, 2021, 10, 178-195.	6.5	178
15	Prions and Prion-like assemblies in neurodegeneration and immunity: The emergence of universal mechanisms across health and disease. Seminars in Cell and Developmental Biology, 2020, 99, 115-130.	5.0	19
16	Editorial. Seminars in Cell and Developmental Biology, 2020, 99, 1-2.	5.0	0
17	Varicella zoster virus encodes a viral decoy RHIM to inhibit cell death. PLoS Pathogens, 2020, 16, e1008473.	4.7	34
18	Biophysical Techniques for Target Validation and Drug Discovery in Transcription-Targeted Therapy. International Journal of Molecular Sciences, 2020, 21, 2301.	4.1	9

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19	Varicella zoster virus encodes a viral decoy RHIM to inhibit cell death. , 2020, 16, e1008473.		0
20	Varicella zoster virus encodes a viral decoy RHIM to inhibit cell death. , 2020, 16, e1008473.		0
21	Varicella zoster virus encodes a viral decoy RHIM to inhibit cell death. , 2020, 16, e1008473.		0
22	Varicella zoster virus encodes a viral decoy RHIM to inhibit cell death. , 2020, 16, e1008473.		0
23	Identification of intracellular cavin target proteins reveals cavin-PP1alpha interactions regulate apoptosis. Nature Communications, 2019, 10, 3279.	12.8	53
24	The cryo-EM structure of the acid activatable pore-forming immune effector Macrophage-expressed gene 1. Nature Communications, 2019, 10, 4288.	12.8	65
25	Thinking Outside the Bug: Molecular Targets and Strategies to Overcome Antibiotic Resistance. International Journal of Molecular Sciences, 2019, 20, 1255.	4.1	67
26	Single-molecule detection on a portable 3D-printed microscope. Nature Communications, 2019, 10, 5662.	12.8	40
27	Viral M45 and necroptosis-associated proteins form heteromeric amyloid assemblies. EMBO Reports, 2019, 20, .	4.5	73
28	R-propranolol is a small molecule inhibitor of the SOX18 transcription factor in a rare vascular syndrome and hemangioma. ELife, 2019, 8, .	6.0	35
29	Enteropathogenic E. coli Hijacks Programmed Host Cell Death Pathways by Interfering with the Higher Order Oligomerization of Immune System Proteins. FASEB Journal, 2019, 33, 649.6.	0.5	0
30	Unexpected instabilities explain batch-to-batch variability in cell-free protein expression systems. Biotechnology and Bioengineering, 2018, 115, 1904-1914.	3.3	19
31	Single-Molecule Fluorescence Reveals the Oligomerization and Folding Steps Driving the Prion-like Behavior of ASC. Journal of Molecular Biology, 2018, 430, 491-508.	4.2	38
32	Design, Synthesis, and Evaluation of N- and C-Terminal Protein Bioconjugates as G Protein-Coupled Receptor Agonists. Bioconjugate Chemistry, 2018, 29, 403-409.	3.6	1
33	Cell-free formation and interactome analysis of caveolae. Journal of Cell Biology, 2018, 217, 2141-2165.	5.2	48
34	Functional domain analysis of SOX18 transcription factor using a single-chain variable fragment-based approach. MAbs, 2018, 10, 596-606.	5.2	7
35	Pathological mutations differentially affect the self-assembly and polymerisation of the innate immune system signalling adaptor molecule MyD88. BMC Biology, 2018, 16, 149.	3.8	22
36	Structure of a PSI-LHCI-cyt b <sub>6</sub> f supercomplex in <i>Chlamydomonas reinhardtii</i> promoting cyclic electron flow under anaerobic conditions. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, 10517-10522.	7.1	64

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37	Homodimerization regulates an endothelial specific signature of the SOX18 transcription factor. <i>Nucleic Acids Research</i> , 2018, 46, 11381-11395.	14.5	21
38	Unveiling a Selective Mechanism for the Inhibition of $\hat{1}\pm$ -Synuclein Aggregation by $\hat{1}^2$ -Synuclein. <i>International Journal of Molecular Sciences</i> , 2018, 19, 334.	4.1	20
39	Ultrastructural localisation of protein interactions using conditionally stable nanobodies. <i>PLoS Biology</i> , 2018, 16, e2005473.	5.6	42
40	Small-Molecule Inhibitors of the SOX18 Transcription Factor. <i>Cell Chemical Biology</i> , 2017, 24, 346-359.	5.2	42
41	Structural basis of TIR-domain-assembly formation in MAL- and MyD88-dependent TLR4 signaling. <i>Nature Structural and Molecular Biology</i> , 2017, 24, 743-751.	8.2	140
42	A Split-Luciferase Reporter Recognizing GFP and mCherry Tags to Facilitate Studies of Protein-Protein Interactions. <i>International Journal of Molecular Sciences</i> , 2017, 18, 2681.	4.1	6
43	Evaluation of Lipopeptides as Toll-like Receptor 2 Ligands. <i>Current Drug Delivery</i> , 2017, 14, 935-943.	1.6	6
44	Pharmacological targeting of the transcription factor SOX18 delays breast cancer in mice. <i>ELife</i> , 2017, 6, .	6.0	50
45	Confocal Spectroscopy to Study Dimerization, Oligomerization and Aggregation of Proteins: A Practical Guide. <i>International Journal of Molecular Sciences</i> , 2016, 17, 655.	4.1	34
46	Performance benchmarking of four cell-free protein expression systems. <i>Biotechnology and Bioengineering</i> , 2016, 113, 292-300.	3.3	50
47	Nanomolar oligomerization and selective co-aggregation of $\hat{1}\pm$ -synuclein pathogenic mutants revealed by single-molecule fluorescence. <i>Scientific Reports</i> , 2016, 6, 37630.	3.3	29
48	Munc18-1 is a molecular chaperone for $\hat{1}\pm$ -synuclein, controlling its self-replicating aggregation. <i>Journal of Cell Biology</i> , 2016, 214, 705-718.	5.2	56
49	Increased Polyubiquitination and Proteasomal Degradation of a Munc18-1 Disease-Linked Mutant Causes Temperature-Sensitive Defect in Exocytosis. <i>Cell Reports</i> , 2014, 9, 206-218.	6.4	49
50	Ultrafast cooling reveals microsecond-scale biomolecular dynamics. <i>Nature Communications</i> , 2014, 5, 5737.	12.8	23
51	Mechanism of Activation of Protein Kinase JAK2 by the Growth Hormone Receptor. <i>Science</i> , 2014, 344, 1249783.	12.6	340
52	Cortactin Scaffolds Arp2/3 and WAVE2 at the Epithelial Zonula Adherens. <i>Journal of Biological Chemistry</i> , 2014, 289, 7764-7775.	3.4	59
53	Rapid Mapping of Interactions between Human SNX-BAR Proteins Measured In Vitro by AlphaScreen and Single-molecule Spectroscopy. <i>Molecular and Cellular Proteomics</i> , 2014, 13, 2233-2245.	3.8	36
54	Probing the architecture of the Mediator complex (939.3). <i>FASEB Journal</i> , 2014, 28, 939.3.	0.5	1

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55	Single-molecule analysis reveals self assembly and nanoscale segregation of two distinct cavin subcomplexes on caveolae. <i>ELife</i> , 2013, 3, e01434.	6.0	114
56	Counteracting chemical chaperone effects on the single-molecule $\hat{\pm}$ -synuclein structural landscape. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012, 109, 17826-17831.	7.1	65
57	Quantitative Analysis of Prenylated RhoA Interaction with Its Chaperone, RhoGDI. <i>Journal of Biological Chemistry</i> , 2012, 287, 26549-26562.	3.4	47
58	Intramolecular three-colour single pair FRET of intrinsically disordered proteins with increased dynamic range. <i>Molecular BioSystems</i> , 2012, 8, 2531.	2.9	32
59	Visualizing a one-way protein encounter complex by ultrafast single-molecule mixing. <i>Nature Methods</i> , 2011, 8, 239-241.	19.0	128
60	Single-Molecule Fluorescence Studies of Intrinsically Disordered Proteins. <i>Methods in Enzymology</i> , 2010, 472, 179-204.	1.0	104
61	Variation of the Lateral Mobility of Transmembrane Peptides with Hydrophobic Mismatch. <i>Journal of Physical Chemistry B</i> , 2010, 114, 3559-3566.	2.6	34
62	Ultrafast microfluidic mixer with three-dimensional flow focusing for studies of biochemical kinetics. <i>Lab on A Chip</i> , 2010, 10, 598-609.	6.0	66
63	Multicolor single-molecule FRET to explore protein folding and binding. <i>Molecular BioSystems</i> , 2010, 6, 1540.	2.9	68
64	Direct single-molecule observation of a protein living in two opposed native structures. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2009, 106, 10153-10158.	7.1	72
65	Interplay of $\hat{\pm}$ -synuclein binding and conformational switching probed by single-molecule fluorescence. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2009, 106, 5645-5650.	7.1	379
66	Microfluidic Device for Single-Molecule Experiments with Enhanced Photostability. <i>Journal of the American Chemical Society</i> , 2009, 131, 13610-13612.	13.7	61
67	High-Resolution Temperature-Concentration Diagram of $\hat{\pm}$ -Synuclein Conformation Obtained from a Single Förster Resonance Energy Transfer Image in a Microfluidic Device. <i>Analytical Chemistry</i> , 2009, 81, 6929-6935.	6.5	30
68	Tracking Membrane Protein Association in Model Membranes. <i>PLoS ONE</i> , 2009, 4, e5035.	2.5	29
69	Microfabricated rubber microscope using soft solid immersion lenses. <i>Applied Physics Letters</i> , 2006, 88, 174102.	3.3	32
70	Bounded Step Superdiffusion in an Oriented Hexagonal Phase. <i>Physical Review Letters</i> , 2005, 94, 110602.	7.8	23
71	Self-diffusion and collective diffusion in a model viscoelastic system. <i>Physical Review E</i> , 2002, 66, 031402.	2.1	19