

# David C A Gaboriau

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/9119143/publications.pdf>

Version: 2024-02-01

31  
papers

710  
citations

687335

13  
h-index

610883

24  
g-index

38  
all docs

38  
docs citations

38  
times ranked

1340  
citing authors

#	ARTICLE	IF	CITATIONS
1	Leader $\beta^2$ -cells coordinate Ca <sup>2+</sup> dynamics across pancreatic islets in vivo. <i>Nature Metabolism</i> , 2019, 1, 615-629.	11.9	128
2	Membrane fluidity of stressed cells of <i>Oenococcus oeni</i> . <i>International Journal of Food Microbiology</i> , 2000, 55, 269-273.	4.7	64
3	Live imaging of alveologenesis in precision-cut lung slices reveals dynamic epithelial cell behaviour. <i>Nature Communications</i> , 2019, 10, 1178.	12.8	63
4	The Deubiquitinase USP9X Maintains DNA Replication Fork Stability and DNA Damage Checkpoint Responses by Regulating CLASPIN during S-Phase. <i>Cancer Research</i> , 2016, 76, 2384-2393.	0.9	47
5	Spatiotemporal dynamics of HSV genome nuclear entry and compaction state transitions using bioorthogonal chemistry and super-resolution microscopy. <i>PLoS Pathogens</i> , 2017, 13, e1006721.	4.7	41
6	DNA Replication Dynamics and Cellular Responses to ATP Competitive CDC7 Kinase Inhibitors. <i>ACS Chemical Biology</i> , 2017, 12, 1893-1902.	3.4	39
7	Gene-targeted CEP164-deficient cells show a ciliation defect with intact DNA repair capacity. <i>Journal of Cell Science</i> , 2016, 129, 1769-74.	2.0	36
8	A machine learning approach to define antimalarial drug action from heterogeneous cell-based screens. <i>Science Advances</i> , 2020, 6, .	10.3	36
9	Requirement for PLK1 kinase activity in the maintenance of a robust spindle assembly checkpoint. <i>Biology Open</i> , 2016, 5, 11-19.	1.2	31
10	Centrobin controls primary ciliogenesis in vertebrates. <i>Journal of Cell Biology</i> , 2018, 217, 1205-1215.	5.2	26
11	Centriole splitting caused by loss of the centrosomal linker protein C-NAP1 reduces $\beta$ centriolar satellite density and impedes $\beta$ centrosome amplification. <i>Molecular Biology of the Cell</i> , 2017, 28, 736-745.	2.1	25
12	Chloroplasts alter their morphology and accumulate at the pathogen interface during infection by <i>Phytophthora infestans</i> . <i>Plant Journal</i> , 2021, 107, 1771-1787.	5.7	25
13	Binding of sperm proacrosin/ $\beta^2$ -acrosin to zona pellucida glycoproteins is sulfate and stereodependent. Synthesis of a novel fertilization inhibitor. <i>Developmental Biology</i> , 2007, 306, 646-657.	2.0	21
14	The Planar Polarity Component VANGL2 Is a Key Regulator of Mechanosignaling. <i>Frontiers in Cell and Developmental Biology</i> , 2020, 8, 577201.	3.7	17
15	Rationally-engineered reproductive barriers using CRISPR & CRISPRa: an evaluation of the synthetic species concept in <i>Drosophila melanogaster</i> . <i>Scientific Reports</i> , 2018, 8, 13125.	3.3	15
16	Protein stability versus function: effects of destabilizing missense mutations on <i>BRCA1</i> DNA repair activity. <i>Biochemical Journal</i> , 2015, 466, 613-624.	3.7	12
17	Effect of the CXCR4 antagonist plerixafor on endogenous neutrophil dynamics in the bone marrow, lung and spleen. <i>Journal of Leukocyte Biology</i> , 2020, 107, 1175-1185.	3.3	11
18	Chemical biology tools for probing transcytosis at the blood-brain barrier. <i>Chemical Science</i> , 2019, 10, 10772-10778.	7.4	9

#	ARTICLE	IF	CITATIONS
19	Investigation of the Thermogelation of a Promising Biocompatible ABC Triblock Terpolymer and Its Comparison with Pluronic F127. <i>Macromolecules</i> , 2022, 55, 1783-1799.	4.8	9
20	The acid injury and repair (AIR) model: A novel ex-vivo tool to understand lung repair. <i>Biomaterials</i> , 2021, 267, 120480.	11.4	8
21	Live-cell fluorescence imaging of microgametogenesis in the human malaria parasite <i>Plasmodium falciparum</i> . <i>PLoS Pathogens</i> , 2022, 18, e1010276.	4.7	7
22	BOOSTER: Development of a Toolbox for Triage of Large Groups of Individuals Exposed to Radioactive Material. <i>IEEE Transactions on Nuclear Science</i> , 2014, 61, 2210-2216.	2.0	4
23	Calm on the surface, dynamic on the inside. Molecular homeostasis of <i>Anabaena</i> sp. <i>PCC</i> 7120 nitrogen metabolism. <i>Plant, Cell and Environment</i> , 2021, 44, 1885-1907.	5.7	4
24	Time-lapse Imaging of Alveologenesis in Mouse Precision-cut Lung Slices. <i>Bio-protocol</i> , 2019, 9, e3403.	0.4	4
25	Redox Regulation of RAD51 and Homologous Recombination by Peroxiredoxin 1 and Electrophilic Nitro-fatty Acids. <i>Free Radical Biology and Medicine</i> , 2017, 112, 100-101.	2.9	1
26	Real-Time In Vivo Imaging of Whole Islet Ca <sup>2+</sup> Dynamics Reveals Glucose-Induced Changes in Beta-Cell Connectivity in Mouse and Human Islets. <i>Diabetes</i> , 2018, 67, 249-LB.	0.6	1
27	BOOSTER: Development of a toolbox for triage of large group of individuals exposed to radioactive material. , 2013, , .		0
28	Loss of PRDX1 increases RAD51 Cys319 oxidation and decreases homologous recombination. <i>Free Radical Biology and Medicine</i> , 2018, 128, S73-S74.	2.9	0
29	Dynein Has Defective Activity in COPD Macrophage Phagocytosis. , 2019, , .		0
30	Redox Regulation of RAD51 and Homologous Recombination by Peroxiredoxin 1 and Electrophilic Nitro-Fatty Acids. <i>SSRN Electronic Journal</i> , 0, , .	0.4	0
31	Glucose regulates pancreatic [beta] cell Ca <sup>2+</sup> dynamics and connectivity in vivo in the anterior chamber of the mouse eye. <i>Endocrine Abstracts</i> , 0, , .	0.0	0