John G Albeck

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/8468417/publications.pdf

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25 papers	2,720 citations	430874 18 h-index	580821 25 g-index
32 all docs	32 docs citations	32 times ranked	4752 citing authors

#	Article	IF	Citations
1	Imaging Cytosolic NADH-NAD+ Redox State with a Genetically Encoded Fluorescent Biosensor. Cell Metabolism, 2011, 14, 545-554.	16.2	431
2	Frequency-Modulated Pulses of ERK Activity Transmit Quantitative Proliferation Signals. Molecular Cell, 2013, 49, 249-261.	9.7	421
3	Quantitative Analysis of Pathways Controlling Extrinsic Apoptosis in Single Cells. Molecular Cell, 2008, 30, 11-25.	9.7	357
4	Phosphoinositide 3-Kinase Regulates Glycolysis through Mobilization of Aldolase from the Actin Cytoskeleton. Cell, 2016, 164, 433-446.	28.9	301
5	Modeling a Snap-Action, Variable-Delay Switch Controlling Extrinsic Cell Death. PLoS Biology, 2008, 6, e299.	5.6	252
6	Quantitative determinants of aerobic glycolysis identify flux through the enzyme GAPDH as a limiting step. ELife, 2014, 3, .	6.0	222
7	Entosis Is Induced by Glucose Starvation. Cell Reports, 2017, 20, 201-210.	6.4	130
8	Receptor Level Mechanisms Are Required for Epidermal Growth Factor (EGF)-stimulated Extracellular Signal-regulated Kinase (ERK) Activity Pulses. Journal of Biological Chemistry, 2015, 290, 24784-24792.	3.4	86
9	Linear Integration of ERK Activity Predominates over Persistence Detection in Fra-1 Regulation. Cell Systems, 2017, 5, 549-563.e5.	6.2	82
10	Akt and ERK Control the Proliferative Response of Mammary Epithelial Cells to the Growth Factors IGF-1 and EGF Through the Cell Cycle Inhibitor p57 ^{Kip2}. Science Signaling, 2012, 5, ra19.	3.6	76
11	Akt regulation of glycolysis mediates bioenergetic stability in epithelial cells. ELife, 2017, 6, .	6.0	55
12	Relaxation oscillations and hierarchy of feedbacks in MAPK signaling. Scientific Reports, 2017, 7, 38244.	3.3	47
13	Encoding Growth Factor Identity in the Temporal Dynamics of FOXO3 under the Combinatorial Control of ERK and AKT Kinases. Cell Systems, 2018, 6, 664-678.e9.	6.2	45
14	Microenvironmental Signals and Biochemical Information Processing: Cooperative Determinants of Intratumoral Plasticity and Heterogeneity. Frontiers in Cell and Developmental Biology, 2018, 6, 44.	3.7	38
15	Systems-Level Properties of EGFR-RAS-ERK Signaling Amplify Local Signals to Generate Dynamic Gene Expression Heterogeneity. Cell Systems, 2020, 11, 161-175.e5.	6.2	29
16	Oncogenic mutant RAS signaling activity is rescaled by the ERK/MAPK pathway. Molecular Systems Biology, 2020, 16, e9518.	7.2	29
17	Single-Cell Imaging of ERK Signaling Using Fluorescent Biosensors. Methods in Molecular Biology, 2017, 1636, 35-59.	0.9	28
18	Uncovering a Tumor Suppressor for Triple-Negative Breast Cancers. Cell, 2011, 144, 638-640.	28.9	21

#	Article	IF	Citations
19	Transient phases of OXPHOS inhibitor resistance reveal underlying metabolic heterogeneity in single cells. Cell Metabolism, 2021, 33, 649-665.e8.	16.2	21
20	Entosis is induced by ultraviolet radiation. IScience, 2021, 24, 102902.	4.1	14
21	Impact of diet-derived signaling molecules on human cognition: exploring the foodâ€“brain axis. Npj Science of Food, 2017, 1, 2.	5.5	10
22	Liveâ€Cell Imaging and Analysis with Multiple Genetically Encoded Reporters. Current Protocols in Cell Biology, 2018, 78, 4.36.1-4.36.19.	2.3	10
23	Experimental and engineering approaches to intracellular communication. Essays in Biochemistry, 2018, 62, 515-524.	4.7	7
24	Mapping the Spectrum of Gene Expression Responses. Cell Systems, 2016, 2, 221-222.	6.2	1
25	Combining Microbial Culturing With Mathematical Modeling in an Introductory Course-Based Undergraduate Research Experience. Frontiers in Microbiology, 2020, 11, 581903.	3.5	1