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	Transient phases of OXPHOS inhibitor resistance reveal underlying metabolic heterogeneity in single cells. Cell Metabolism, 2021, 33, 649-665.e8.	16.2	21
2	Entosis is induced by ultraviolet radiation. IScience, 2021, 24, 102902.	4.1	14
3	Combining Microbial Culturing With Mathematical Modeling in an Introductory Course-Based Undergraduate Research Experience. Frontiers in Microbiology, 2020, 11, 581903.	3.5	1
4	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
5	Oncogenic mutant RAS signaling activity is rescaled by the ERK/MAPK pathway. Molecular Systems Biology, 2020, 16, e9518.	7.2	29
6	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
7	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
8	Experimental and engineering approaches to intracellular communication. Essays in Biochemistry, 2018, 62, 515-524.	4.7	7
9	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
10	Relaxation oscillations and hierarchy of feedbacks in MAPK signaling. Scientific Reports, 2017, 7, 38244.	3.3	47
11	Impact of diet-derived signaling molecules on human cognition: exploring the foodâ€“brain axis. Npj Science of Food, 2017, 1, 2.	5.5	10
12	Entosis Is Induced by Glucose Starvation. Cell Reports, 2017, 20, 201-210.	6.4	130
13	Linear Integration of ERK Activity Predominates over Persistence Detection in Fra-1 Regulation. Cell Systems, 2017, 5, 549-563.e5.	6.2	82
14	Single-Cell Imaging of ERK Signaling Using Fluorescent Biosensors. Methods in Molecular Biology, 2017, 1636, 35-59.	0.9	28
15	Akt regulation of glycolysis mediates bioenergetic stability in epithelial cells. ELife, 2017, 6, .	6.0	55
16	Mapping the Spectrum of Gene Expression Responses. Cell Systems, 2016, 2, 221-222.	6.2	1
17	Phosphoinositide 3-Kinase Regulates Glycolysis through Mobilization of Aldolase from the Actin Cytoskeleton. Cell, 2016, 164, 433-446.	28.9	301
18	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

#	Article	IF	Citations
19	Quantitative determinants of aerobic glycolysis identify flux through the enzyme GAPDH as a limiting step. ELife, 2014, 3, .	6.0	222
20	Frequency-Modulated Pulses of ERK Activity Transmit Quantitative Proliferation Signals. Molecular Cell, 2013, 49, 249-261.	9.7	421
21	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
22	Uncovering a Tumor Suppressor for Triple-Negative Breast Cancers. Cell, 2011, 144, 638-640.	28.9	21
23	Imaging Cytosolic NADH-NAD+ Redox State with a Genetically Encoded Fluorescent Biosensor. Cell Metabolism, 2011, 14, 545-554.	16.2	431
24	Quantitative Analysis of Pathways Controlling Extrinsic Apoptosis in Single Cells. Molecular Cell, 2008, 30, 11-25.	9.7	357
25	Modeling a Snap-Action, Variable-Delay Switch Controlling Extrinsic Cell Death. PLoS Biology, 2008, 6, e299.	5.6	252