

# Michael Boettcher

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/7653439/publications.pdf>

Version: 2024-02-01

18  
papers

1,029  
citations

687363

13  
h-index

794594

19  
g-index

20  
all docs

20  
docs citations

20  
times ranked

2137  
citing authors

#	ARTICLE	IF	CITATIONS
1	Choosing the Right Tool for the Job: RNAi, TALEN, or CRISPR. <i>Molecular Cell</i> , 2015, 58, 575-585.	9.7	374
2	Dual gene activation and knockout screen reveals directional dependencies in genetic networks. <i>Nature Biotechnology</i> , 2018, 36, 170-178.	17.5	120
3	A mammosphere formation RNAi screen reveals that ATG4A promotes a breast cancer stem-like phenotype. <i>Breast Cancer Research</i> , 2013, 15, R109.	5.0	105
4	Genome-wide CRISPR screen identifies FAM49B as a key regulator of actin dynamics and T cell activation. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018, 115, E4051-E4060.	7.1	88
5	Human CD45 is an F-component-specific receptor for the staphylococcal toxin Pantona€“Valentine leukocidin. <i>Nature Microbiology</i> , 2018, 3, 708-717.	13.3	63
6	Bridge helix arginines play a critical role in Cas9 sensitivity to mismatches. <i>Nature Chemical Biology</i> , 2020, 16, 587-595.	8.0	51
7	Establishment and Characterization of a Highly Tumorigenic and Cancer Stem Cell Enriched Pancreatic Cancer Cell Line as a Well Defined Model System. <i>PLoS ONE</i> , 2012, 7, e48503.	2.5	33
8	Identification of X-chromosomal genes that drive sex differences in embryonic stem cells through a hierarchical CRISPR screening approach. <i>Genome Biology</i> , 2021, 22, 110.	8.8	28
9	Depletion of RAD17 sensitizes pancreatic cancer cells to gemcitabine. <i>Journal of Cell Science</i> , 2013, 126, 3380-9.	2.0	27
10	High-Definition DNA Methylation Profiles from Breast and Ovarian Carcinoma Cell Lines with Differing Doxorubicin Resistance. <i>PLoS ONE</i> , 2010, 5, e11002.	2.5	25
11	High-Throughput CRISPR Screening Identifies Genes Involved in Macrophage Viability and Inflammatory Pathways. <i>Cell Reports</i> , 2020, 33, 108541.	6.4	25
12	Mutations in ALK signaling pathways conferring resistance to ALK inhibitor treatment lead to collateral vulnerabilities in neuroblastoma cells. <i>Molecular Cancer</i> , 2022, 21, .	19.2	21
13	High throughput synthetic lethality screen reveals a tumorigenic role of adenylate cyclase in fumarate hydratase-deficient cancer cells. <i>BMC Genomics</i> , 2014, 15, 158.	2.8	16
14	Tracing cellular heterogeneity in pooled genetic screens via multi-level barcoding. <i>BMC Genomics</i> , 2019, 20, 107.	2.8	15
15	Process for an efficient lentiviral cell transduction. <i>Biology Methods and Protocols</i> , 2020, 5, bpa005.	2.2	15
16	Decoding pooled RNAi screens by means of barcode tiling arrays. <i>BMC Genomics</i> , 2010, 11, 7.	2.8	10
17	Hosta€“Receptor Post-Translational Modifications Refine Staphylococcal Leukocidin Cytotoxicity. <i>Toxins</i> , 2020, 12, 106.	3.4	9
18	ER-Alpha-cDNA As Part of a Bicistronic Transcript Gives Rise to High Frequency, Long Term, Receptor Expressing Cell Clones. <i>PLoS ONE</i> , 2012, 7, e31977.	2.5	2