

Maxwell Z Wilson

List of Publications by Year in descending order

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Version: 2024-02-01

25
papers

1,477
citations

706676

14
h-index

685536

24
g-index

33
all docs

33
docs citations

33
times ranked

2566
citing authors

#	ARTICLE	IF	CITATIONS
1	Algal p-coumaric acid induces oxidative stress and siderophore biosynthesis in the bacterial symbiont <i>Phaeobacter inhibens</i> . <i>Cell Chemical Biology</i> , 2022, 29, 670-679.e5.	2.5	9
2	Dynamic assembly of the mRNA m6A methyltransferase complex is regulated by METTL3 phase separation. <i>PLoS Biology</i> , 2022, 20, e3001535.	2.6	22
3	CREST, a Cas13-Based, Rugged, Equitable, Scalable Testing (CREST) for SARS-CoV-2 Detection in Patient Samples. <i>Current Protocols</i> , 2022, 2, e385.	1.3	3
4	Optogenetics in the hot seat. <i>Nature Chemical Biology</i> , 2022, 18, 118-119.	3.9	3
5	Signaling by the integrated stress response kinase PKR is fine-tuned by dynamic clustering. <i>Journal of Cell Biology</i> , 2022, 221, .	2.3	17
6	A Fast and Accessible Method for the Isolation of RNA, DNA, and Protein To Facilitate the Detection of SARS-CoV-2. <i>Journal of Clinical Microbiology</i> , 2021, 59, .	1.8	17
7	Formation and Function of Liquid-Like Viral Factories in Negative-Sense Single-Stranded RNA Virus Infections. <i>Viruses</i> , 2021, 13, 126.	1.5	27
8	Comparison of Severe Acute Respiratory Syndrome Coronavirus 2 Screening Using Reverse Transcriptase-Quantitative Polymerase Chain Reaction or CRISPR-Based Assays in Asymptomatic College Students. <i>JAMA Network Open</i> , 2021, 4, e2037129.	2.8	12
9	A Scalable, Easy-to-Deploy Protocol for Cas13-Based Detection of SARS-CoV-2 Genetic Material. <i>Journal of Clinical Microbiology</i> , 2021, 59, .	1.8	91
10	Shining Light on Cyclopentadienone-Norbornadiene Diels-Alder Adducts to Enable Photoinduced Click Chemistry with Cyclopentadiene. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 35422-35430.	4.0	9
11	An Optogenetic Platform to Dynamically Control the Stiffness of Collagen Hydrogels. <i>ACS Biomaterials Science and Engineering</i> , 2021, 7, 408-414.	2.6	15
12	The impact of SARS-CoV-2 in dementia across Latin America: A call for an urgent regional plan and coordinated response. <i>Alzheimer's and Dementia: Translational Research and Clinical Interventions</i> , 2020, 6, e12092.	1.8	21
13	Optogenetic control of protein binding using light-switchable nanobodies. <i>Nature Communications</i> , 2020, 11, 4044.	5.8	91
14	Engineering combinatorial and dynamic decoders using synthetic immediate-early genes. <i>Communications Biology</i> , 2020, 3, 436.	2.0	9
15	A Dual-Mechanism Antibiotic Kills Gram-Negative Bacteria and Avoids Drug Resistance. <i>Cell</i> , 2020, 181, 1518-1532.e14.	13.5	202
16	A Live-Cell Screen for Altered Erk Dynamics Reveals Principles of Proliferative Control. <i>Cell Systems</i> , 2020, 10, 240-253.e6.	2.9	58
17	The proline-rich domain promotes Tau liquid-liquid phase separation in cells. <i>Journal of Cell Biology</i> , 2020, 219, .	2.3	58
18	Light-based control of metabolic flux through assembly of synthetic organelles. <i>Nature Chemical Biology</i> , 2019, 15, 589-597.	3.9	176

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19	Lighting Up Cancer Dynamics. Trends in Cancer, 2018, 4, 657-659.	3.8	2
20	Tracing Information Flow from Erk to Target Gene Induction Reveals Mechanisms of Dynamic and Combinatorial Control. Molecular Cell, 2017, 67, 757-769.e5.	4.5	133
21	Optogenetic Control of Ras/Erk Signaling Using the Phy ⁺ PIF System. Methods in Molecular Biology, 2017, 1636, 3-20.	0.4	18
22	Mode of action and resistance studies unveil new roles for tropodithietic acid as an anticancer agent and the β -glutamyl cycle as a proton sink. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, 1630-1635.	3.3	67
23	Enzyme clustering accelerates processing of intermediates through metabolic channeling. Nature Biotechnology, 2014, 32, 1011-1018.	9.4	340
24	Beyond the cytoskeleton: mesoscale assemblies and their function in spatial organization. Current Opinion in Microbiology, 2013, 16, 177-183.	2.3	28
25	Extracellular Optogenetics at the Interface of Synthetic Biology and Materials Science. Frontiers in Bioengineering and Biotechnology, 0, 10, .	2.0	4