

Kasturi Chakraborty

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/2699098/publications.pdf>

Version: 2024-02-01

16
papers

1,147
citations

623734

14
h-index

940533

16
g-index

22
all docs

22
docs citations

22
times ranked

1383
citing authors

#	ARTICLE	IF	CITATIONS
1	A pH-independent DNA nanodevice for quantifying chloride transport in organelles of living cells. <i>Nature Nanotechnology</i> , 2015, 10, 645-651.	31.5	179
2	A DNA nanomachine chemically resolves lysosomes in live cells. <i>Nature Nanotechnology</i> , 2019, 14, 176-183.	31.5	139
3	Nucleic Acid-Based Nanodevices in Biological Imaging. <i>Annual Review of Biochemistry</i> , 2016, 85, 349-373.	11.1	124
4	Neutrophil elastase selectively kills cancer cells and attenuates tumorigenesis. <i>Cell</i> , 2021, 184, 3163-3177.e21.	28.9	119
5	A pH-correctable, DNA-based fluorescent reporter for organellar calcium. <i>Nature Methods</i> , 2019, 16, 95-102.	19.0	115
6	Cell-targetable DNA nanocapsules for spatiotemporal release of caged bioactive small molecules. <i>Nature Nanotechnology</i> , 2017, 12, 1183-1189.	31.5	103
7	High luminal chloride in the lysosome is critical for lysosome function. <i>ELife</i> , 2017, 6, .	6.0	86
8	DNA nanodevices map enzymatic activity in organelles. <i>Nature Nanotechnology</i> , 2019, 14, 252-259.	31.5	72
9	Tunable, colorimetric DNA-based pH sensors mediated by A-motif formation. <i>Chemical Communications</i> , 2012, 48, 2513.	4.1	46
10	A lysosome-targeted DNA nanodevice selectively targets macrophages to attenuate tumours. <i>Nature Nanotechnology</i> , 2021, 16, 1394-1402.	31.5	42
11	Subcellular Nanorheology Reveals Lysosomal Viscosity as a Reporter for Lysosomal Storage Diseases. <i>Nano Letters</i> , 2018, 18, 1351-1359.	9.1	35
12	What biologists want from their chloride reporters – a conversation between chemists and biologists. <i>Journal of Cell Science</i> , 2020, 133, .	2.0	27
13	Tubular lysosomes harbor active ion gradients and poise macrophages for phagocytosis. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, .	7.1	21
14	Rational design of a quantitative, pH-insensitive, nucleic acid based fluorescent chloride reporter. <i>Chemical Science</i> , 2016, 7, 1946-1953.	7.4	18
15	Synthesis of isomeric corniculatolides. <i>Tetrahedron Letters</i> , 2012, 53, 6343-6346.	1.4	7
16	Tissue-specific targeting of DNA nanodevices in a multicellular living organism. <i>ELife</i> , 2021, 10, .	6.0	6