

Xiaojun Ren

List of Publications by Year in descending order

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citations

304743

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docs citations

42
times ranked

1792
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#	ARTICLE	IF	CITATIONS
1	Nuclear condensates of the Polycomb protein chromobox 2 (CBX2) assemble through phase separation. <i>Journal of Biological Chemistry</i> , 2019, 294, 1451-1463.	3.4	261
2	Changes in the Distributions and Dynamics of Polycomb Repressive Complexes during Embryonic Stem Cell Differentiation. <i>Molecular and Cellular Biology</i> , 2008, 28, 2884-2895.	2.3	107
3	Aryl Thiol Substrate 3-Carboxy-4-Nitrobenzenethiol Strongly Stimulating Thiol Peroxidase Activity of Glutathione Peroxidase Mimic 2, 2'-Ditellurobis(2-Deoxy- β -2-Cyclodextrin). <i>Journal of the American Chemical Society</i> , 2004, 126, 16395-16404.	13.7	105
4	Live-cell single-molecule tracking reveals co-recognition of H3K27me3 and DNA targets polycomb Cbx7-PRC1 to chromatin. <i>ELife</i> , 2016, 5, .	6.0	95
5	Phase-Separated Transcriptional Condensates Accelerate Target-Search Process Revealed by Live-Cell Single-Molecule Imaging. <i>Cell Reports</i> , 2020, 33, 108248.	6.4	88
6	A Novel Cyclodextrin-Derived Tellurium Compound with Glutathione Peroxidase Activity. <i>ChemBioChem</i> , 2002, 3, 356-363.	2.6	64
7	Live-cell single-molecule dynamics of PcG proteins imposed by the DIPG H3.3K27M mutation. <i>Nature Communications</i> , 2018, 9, 2080.	12.8	63
8	REST Interacts with Cbx Proteins and Regulates Polycomb Repressive Complex 1 Occupancy at RE1 Elements. <i>Molecular and Cellular Biology</i> , 2011, 31, 2100-2110.	2.3	62
9	A Semisynthetic Glutathione Peroxidase with High Catalytic Efficiency. <i>Chemistry and Biology</i> , 2002, 9, 789-794.	6.0	56
10	Single-molecule analysis of human telomerase monomer. <i>Nature Chemical Biology</i> , 2008, 4, 287-289.	8.0	52
11	Measuring single-molecule nucleic acid dynamics in solution by two-color filtered ratiometric fluorescence correlation spectroscopy. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2004, 101, 14425-14430.	7.1	47
12	A novel dicyclodextrinyl ditelluride compound with antioxidant activity. <i>FEBS Letters</i> , 2001, 507, 377-380.	2.8	46
13	A Novel Glutathione Peroxidase Mimic with Antioxidant Activity. <i>Archives of Biochemistry and Biophysics</i> , 2001, 387, 250-256.	3.0	45
14	Identification of a new RNA{middle dot}RNA interaction site for human telomerase RNA (hTR): structural implications for hTR accumulation and a dyskeratosis congenita point mutation. <i>Nucleic Acids Research</i> , 2003, 31, 6509-6515.	14.5	43
15	Analysis of Human Telomerase Activity and Function by Two Color Single Molecule Coincidence Fluorescence Spectroscopy. <i>Journal of the American Chemical Society</i> , 2006, 128, 4992-5000.	13.7	42
16	A Novel Selenocystine- β -2-Cyclodextrin Conjugate That Acts as a Glutathione Peroxidase Mimic. <i>Bioconjugate Chemistry</i> , 2000, 11, 682-687.	3.6	39
17	KAP1 Represses Differentiation-Inducible Genes in Embryonic Stem Cells through Cooperative Binding with PRC1 and Derepresses Pluripotency-Associated Genes. <i>Molecular and Cellular Biology</i> , 2014, 34, 2075-2091.	2.3	39
18	Cbx2 stably associates with mitotic chromosomes via a PRC2- or PRC1-independent mechanism and is needed for recruiting PRC1 complex to mitotic chromosomes. <i>Molecular Biology of the Cell</i> , 2014, 25, 3726-3739.	2.1	36

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19	Cloning and expression of a single-chain catalytic antibody that acts as a glutathione peroxidase mimic with high catalytic efficiency. <i>Biochemical Journal</i> , 2001, 359, 369-374.	3.7	33
20	Generation of Three Selenium-Containing Catalytic Antibodies with High Catalytic Efficiency Using a Novel Hapten Design Method. <i>Archives of Biochemistry and Biophysics</i> , 2001, 395, 177-184.	3.0	28
21	Zinc Toxicity and Iron-Sulfur Cluster Biogenesis in <i>Escherichia coli</i> . <i>Applied and Environmental Microbiology</i> , 2019, 85, .	3.1	28
22	MORC3 Forms Nuclear Condensates through Phase Separation. <i>IScience</i> , 2019, 17, 182-189.	4.1	26
23	UV-B induced keratinocyte apoptosis is blocked by 2-selenium-bridged β -cyclodextrin, a GPX mimic. <i>Journal of Photochemistry and Photobiology B: Biology</i> , 2003, 69, 7-12.	3.8	22
24	Nuclear condensates of p300 formed through the structured catalytic core can act as a storage pool of p300 with reduced HAT activity. <i>Nature Communications</i> , 2021, 12, 4618.	12.8	22
25	A simple and efficient method for transfecting mouse embryonic stem cells using polyethylenimine. <i>Experimental Cell Research</i> , 2015, 330, 178-185.	2.6	17
26	Distinct Cellular Assembly Stoichiometry of Polycomb Complexes on Chromatin Revealed by Single-molecule Chromatin Immunoprecipitation Imaging. <i>Journal of Biological Chemistry</i> , 2015, 290, 28038-28054.	3.4	13
27	Kinetics Study of a Selenium-Containing ScFv Catalytic Antibody That Mimics Glutathione Peroxidase. <i>Biochemical and Biophysical Research Communications</i> , 2001, 285, 702-707.	2.1	10
28	A selenium-containing single-chain abzyme with potent antioxidant activity. <i>FEBS Journal</i> , 2003, 270, 4326-4331.	0.2	8
29	Development of a Sensitive <i>Escherichia coli</i> Bioreporter Without Antibiotic Markers for Detecting Bioavailable Copper in Water Environments. <i>Frontiers in Microbiology</i> , 2020, 10, 3031.	3.5	8
30	Single-molecule imaging of epigenetic complexes in living cells: insights from studies on Polycomb group proteins. <i>Nucleic Acids Research</i> , 2021, 49, 6621-6637.	14.5	8
31	Labelling HaloTag Fusion Proteins with HaloTag Ligand in Living Cells. <i>Bio-protocol</i> , 2017, 7, .	0.4	7
32	Iron-sulphur cluster biogenesis factor LYRM4 is a novel prognostic biomarker associated with immune infiltrates in hepatocellular carcinoma. <i>Cancer Cell International</i> , 2021, 21, 463.	4.1	6
33	Producing GST-Cbx7 Fusion Proteins from <i>Escherichia coli</i> . <i>Bio-protocol</i> , 2017, 7, .	0.4	4
34	Synthesis and characterization of monodisperse emulsion copolymer. <i>Chemical Research in Chinese Universities</i> , 2016, 32, 134-139.	2.6	2
35	Quantifying the global binding and target-search dynamics of epigenetic regulatory factors using live-cell single-molecule tracking. <i>STAR Protocols</i> , 2021, 2, 100959.	1.2	2
36	Single-Molecule Fluorescence Microscopy Methods in Chromatin Biology. <i>ACS Symposium Series</i> , 2015, , 129-136.	0.5	1

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37	Sm-ChIPi: Single-Molecule Chromatin Immunoprecipitation Imaging. <i>Methods in Molecular Biology</i> , 2018, 1689, 113-126.	0.9	1
38	Nuclear Condensates of p300 Formed Through the Structured Catalytic Core Can Act as a Storage Pool of p300 with Reduced HAT Activity. <i>SSRN Electronic Journal</i> , 0, , .	0.4	0