

Xianjun Chen

List of Publications by Year in descending order

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Version: 2024-02-01

29
papers

1,841
citations

430442

18
h-index

454577

30
g-index

30
all docs

30
docs citations

30
times ranked

2410
citing authors

#	ARTICLE	IF	CITATIONS
1	Spatiotemporal control of gene expression by a light-switchable transgene system. <i>Nature Methods</i> , 2012, 9, 266-269.	9.0	446
2	SoNar, a Highly Responsive NAD ⁺ /NADH Sensor, Allows High-Throughput Metabolic Screening of Anti-tumor Agents. <i>Cell Metabolism</i> , 2015, 21, 777-789.	7.2	311
3	Genetically encoded fluorescent sensors reveal dynamic regulation of NADPH metabolism. <i>Nature Methods</i> , 2017, 14, 720-728.	9.0	223
4	Visualizing RNA dynamics in live cells with bright and stable fluorescent RNAs. <i>Nature Biotechnology</i> , 2019, 37, 1287-1293.	9.4	206
5	Illuminating NAD ⁺ Metabolism in Live Cells and In Vivo Using a Genetically Encoded Fluorescent Sensor. <i>Developmental Cell</i> , 2020, 53, 240-252.e7.	3.1	71
6	Analysis of redox landscapes and dynamics in living cells and in vivo using genetically encoded fluorescent sensors. <i>Nature Protocols</i> , 2018, 13, 2362-2386.	5.5	70
7	An extraordinary stringent and sensitive light-switchable gene expression system for bacterial cells. <i>Cell Research</i> , 2016, 26, 854-857.	5.7	44
8	A single-component light sensor system allows highly tunable and direct activation of gene expression in bacterial cells. <i>Nucleic Acids Research</i> , 2020, 48, e33-e33.	6.5	44
9	Fine tuning the LightOn light-switchable transgene expression system. <i>Biochemical and Biophysical Research Communications</i> , 2013, 440, 419-423.	1.0	39
10	Synthetic dual-input mammalian genetic circuits enable tunable and stringent transcription control by chemical and light. <i>Nucleic Acids Research</i> , 2016, 44, 2677-2690.	6.5	38
11	Optogenetic control of RNA function and metabolism using engineered light-switchable RNA-binding proteins. <i>Nature Biotechnology</i> , 2022, 40, 779-786.	9.4	35
12	A genetically encoded toolkit for tracking live-cell histidine dynamics in space and time. <i>Scientific Reports</i> , 2017, 7, 43479.	1.6	34
13	A Single-Component Optogenetic System Allows Stringent Switch of Gene Expression in Yeast Cells. <i>ACS Synthetic Biology</i> , 2018, 7, 2045-2053.	1.9	34
14	Glucose monitoring in living cells with single fluorescent protein-based sensors. <i>RSC Advances</i> , 2018, 8, 2485-2489.	1.7	30
15	Structure-based investigation of fluorogenic Pepper aptamer. <i>Nature Chemical Biology</i> , 2021, 17, 1289-1295.	3.9	30
16	Spatiotemporal Control of Gene Expression in Mammalian Cells and in Mice Using the LightOn System. <i>Current Protocols in Chemical Biology</i> , 2013, 5, 111-129.	1.7	29
17	Spatiotemporally controllable diphtheria toxin expression using a light-switchable transgene system combining multifunctional nanoparticle delivery system for targeted melanoma therapy. <i>Journal of Controlled Release</i> , 2020, 319, 1-14.	4.8	25
18	Monitoring cellular redox state under hypoxia using a fluorescent sensor based on eel fluorescent protein. <i>Free Radical Biology and Medicine</i> , 2018, 120, 255-265.	1.3	19

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19	Light-induced protein degradation in human-derived cells. <i>Biochemical and Biophysical Research Communications</i> , 2017, 487, 241-246.	1.0	18
20	A combination of LightOn gene expression system and tumor microenvironment-responsive nanoparticle delivery system for targeted breast cancer therapy. <i>Acta Pharmaceutica Sinica B</i> , 2020, 10, 1741-1753.	5.7	17
21	A synthetic BRET-based optogenetic device for pulsatile transgene expression enabling glucose homeostasis in mice. <i>Nature Communications</i> , 2021, 12, 615.	5.8	16
22	A light-switchable bidirectional expression module allowing simultaneous regulation of multiple genes. <i>Biochemical and Biophysical Research Communications</i> , 2015, 465, 769-776.	1.0	13
23	MDH1-mediated malate-aspartate NADH shuttle maintains the activity levels of fetal liver hematopoietic stem cells. <i>Blood</i> , 2020, 136, 553-571.	0.6	13
24	Structure–function analysis of human protein Ero1- Δ . <i>Biochemical and Biophysical Research Communications</i> , 2009, 389, 645-650.	1.0	9
25	Development of Acrylamide-Based Rapid and Multicolor Fluorogenic Probes for High Signal-to-Noise Live Cell Imaging. <i>Bioconjugate Chemistry</i> , 2019, 30, 184-191.	1.8	8
26	Safe and Efficacious Diphtheria Toxin-Based Treatment for Melanoma: Combination of a Light-On Gene-Expression System and Nanotechnology. <i>Molecular Pharmaceutics</i> , 2020, 17, 301-315.	2.3	6
27	Light-switchable diphtherin transgene system combined with losartan for triple negative breast cancer therapy based on nano drug delivery system. <i>International Journal of Pharmaceutics</i> , 2022, 618, 121613.	2.6	5
28	Identification of small molecular inhibitors for Ero1p by structure-based virtual screening. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2011, 21, 1118-1121.	1.0	2
29	Multicoloured fluorescent indicators for live-cell and in vivo imaging of inorganic mercury dynamics. <i>Free Radical Biology and Medicine</i> , 2018, 121, 26-37.	1.3	2