

Jerome Bonnet

List of Publications by Year in descending order

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Version: 2024-02-01

24
papers

2,029
citations

535685

17
h-index

721071

23
g-index

39
all docs

39
docs citations

39
times ranked

2830
citing authors

#	ARTICLE	IF	CITATIONS
1	Differentially Optimized Cell-Free Buffer Enables Robust Expression from Unprotected Linear DNA in Exonuclease-Deficient Extracts. ACS Synthetic Biology, 2022, 11, 732-746.	1.9	16
2	Programmable receptors enable bacterial biosensors to detect pathological biomarkers in clinical samples. Nature Communications, 2021, 12, 5216.	5.8	28
3	Computational Methods for the Design of Recombinase Logic Circuits. Methods in Molecular Biology, 2021, 2189, 31-43.	0.4	0
4	Engineered λ -Lactate Responding Promoter System Operating in Glucose-Rich and Anoxic Environments. ACS Synthetic Biology, 2021, 10, 3527-3536.	1.9	8
5	Cell-free biosensors for biomedical applications. Current Opinion in Biomedical Engineering, 2020, 13, 9-15.	1.8	29
6	Rational programming of history-dependent logic in cellular populations. Nature Communications, 2020, 11, 4758.	5.8	20
7	Synthetic receptors to understand and control cellular functions. Methods in Enzymology, 2020, 633, 143-167.	0.4	11
8	Metabolic perceptrons for neural computing in biological systems. Nature Communications, 2019, 10, 3880.	5.8	51
9	Hierarchical composition of reliable recombinase logic devices. Nature Communications, 2019, 10, 456.	5.8	31
10	Plug-and-play metabolic transducers expand the chemical detection space of cell-free biosensors. Nature Communications, 2019, 10, 1697.	5.8	99
11	Structural basis for chemically-induced homodimerization of a single domain antibody. Scientific Reports, 2019, 9, 1840.	1.6	20
12	An Automated Design Framework for Multicellular Recombinase Logic. ACS Synthetic Biology, 2018, 7, 1406-1412.	1.9	26
13	A Modular Receptor Platform To Expand the Sensing Repertoire of Bacteria. ACS Synthetic Biology, 2018, 7, 166-175.	1.9	50
14	An Engineered Device for Indoleacetic Acid Production under Quorum Sensing Signals Enables <i>Cupriavidus pinatubonensis</i> JMP134 To Stimulate Plant Growth. ACS Synthetic Biology, 2018, 7, 1519-1527.	1.9	19
15	Microbially derived biosensors for diagnosis, monitoring and epidemiology. Microbial Biotechnology, 2017, 10, 1031-1035.	2.0	59
16	Analytic framework for a stochastic binary biological switch. Physical Review E, 2016, 94, 062413.	0.8	4
17	A part toolbox to tune genetic expression in <i>Bacillus subtilis</i> . Nucleic Acids Research, 2016, 44, gkw624.	6.5	157
18	Detection of pathological biomarkers in human clinical samples via amplifying genetic switches and logic gates. Science Translational Medicine, 2015, 7, 289ra83.	5.8	199

#	ARTICLE	IF	CITATIONS
19	Amplifying Genetic Logic Gates. <i>Science</i> , 2013, 340, 599-603.	6.0	441
20	Switches, Switches, Every Where, In Any Drop We Drink. <i>Molecular Cell</i> , 2013, 49, 232-233.	4.5	1
21	Rewritable digital data storage in live cells via engineered control of recombination directionality. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012, 109, 8884-8889.	3.3	316
22	Polycomb-Dependent Regulatory Contacts between Distant Hox Loci in <i>Drosophila</i> . <i>Cell</i> , 2011, 144, 214-226.	13.5	374
23	Differential phosphorylation of Cdc25C phosphatase in mitosis. <i>Biochemical and Biophysical Research Communications</i> , 2008, 370, 483-488.	1.0	22
24	Characterization of centrosomal localization and dynamics of Cdc25C phosphatase in mitosis. <i>Cell Cycle</i> , 2008, 7, 1991-1998.	1.3	34