

Keith Pardee

List of Publications by Year in descending order

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Version: 2024-02-01

31
papers

3,907
citations

331670

21
h-index

454955

30
g-index

31
all docs

31
docs citations

31
times ranked

4984
citing authors

#	ARTICLE	IF	CITATIONS
1	Rapid, Low-Cost Detection of Zika Virus Using Programmable Biomolecular Components. <i>Cell</i> , 2016, 165, 1255-1266.	28.9	1,061
2	Paper-Based Synthetic Gene Networks. <i>Cell</i> , 2014, 159, 940-954.	28.9	597
3	Deconstructing transcriptional heterogeneity in pluripotent stem cells. <i>Nature</i> , 2014, 516, 56-61.	27.8	343
4	Portable, On-Demand Biomolecular Manufacturing. <i>Cell</i> , 2016, 167, 248-259.e12.	28.9	292
5	Synthetic biology devices for in vitro and in vivo diagnostics. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015, 112, 14429-14435.	7.1	281
6	The <i>Drosophila</i> Nuclear Receptor E75 Contains Heme and Is Gas Responsive. <i>Cell</i> , 2005, 122, 195-207.	28.9	235
7	BioBits [®] , [®] Explorer: A modular synthetic biology education kit. <i>Science Advances</i> , 2018, 4, eaat5105.	10.3	113
8	A multiplexed, electrochemical interface for gene-circuit-based sensors. <i>Nature Chemistry</i> , 2020, 12, 48-55.	13.6	98
9	Structural Proteomics: Toward High-Throughput Structural Biology as a Tool in Functional Genomics. <i>Accounts of Chemical Research</i> , 2003, 36, 183-189.	15.6	96
10	The <i>Drosophila</i> DHR96 nuclear receptor binds cholesterol and regulates cholesterol homeostasis. <i>Genes and Development</i> , 2009, 23, 2711-2716.	5.9	94
11	BioBits [®] , [®] Bright: A fluorescent synthetic biology education kit. <i>Science Advances</i> , 2018, 4, eaat5107.	10.3	90
12	Synthetic Biology Goes Cell-Free. <i>BMC Biology</i> , 2019, 17, 64.	3.8	79
13	Loop-Mediated Isothermal Amplification (LAMP) for the Diagnosis of Zika Virus: A Review. <i>Viruses</i> , 2020, 12, 19.	3.3	77
14	Clinical and Laboratory Diagnosis of SARS-CoV-2, the Virus Causing COVID-19. <i>ACS Infectious Diseases</i> , 2020, 6, 2319-2336.	3.8	57
15	A glucose meter interface for point-of-care gene circuit-based diagnostics. <i>Nature Communications</i> , 2021, 12, 724.	12.8	54
16	Perspective: Solidifying the impact of cell-free synthetic biology through lyophilization. <i>Biochemical Engineering Journal</i> , 2018, 138, 91-97.	3.6	52
17	P1 Trisaccharide (Gal β 1,4Gal β 1,4GlcNAc) Synthesis by Enzyme Glycosylation Reactions Using Recombinant <i>Escherichia coli</i> . <i>Applied and Environmental Microbiology</i> , 2003, 69, 2110-2115.	3.1	38
18	Gene Networks of Fully Connected Triads with Complete Auto-Activation Enable Multistability and Stepwise Stochastic Transitions. <i>PLoS ONE</i> , 2014, 9, e102873.	2.5	35

#	ARTICLE	IF	CITATIONS
19	Nuclear Receptors: Small Molecule Sensors that Coordinate Growth, Metabolism and Reproduction. <i>Sub-Cellular Biochemistry</i> , 2011, 52, 123-153.	2.4	29
20	Recent insights into SARS-CoV-2 omicron variant. <i>Reviews in Medical Virology</i> , 2023, 33, .	8.3	29
21	When robotics met fluidics. <i>Lab on A Chip</i> , 2020, 20, 709-716.	6.0	27
22	Field validation of the performance of paper-based tests for the detection of the Zika and chikungunya viruses in serum samples. <i>Nature Biomedical Engineering</i> , 2022, 6, 246-256.	22.5	27
23	Decentralizing Cell-Free RNA Sensing With the Use of Low-Cost Cell Extracts. <i>Frontiers in Bioengineering and Biotechnology</i> , 2021, 9, 727584.	4.1	24
24	Portable sample processing for molecular assays: application to Zika virus diagnostics. <i>Lab on A Chip</i> , 2022, 22, 1748-1763.	6.0	15
25	Multicenter international assessment of a SARS-CoV-2 RT-LAMP test for point of care clinical application. <i>PLoS ONE</i> , 2022, 17, e0268340.	2.5	15
26	High-Efficiency Protection of Linear DNA in Cell-Free Extracts from <i>Escherichia coli</i> and <i>Vibrio natriegens</i> . <i>ACS Synthetic Biology</i> , 2021, 10, 1615-1624.	3.8	13
27	Toward Mail-in-Sensors for SARS-CoV-2 Detection: Interfacing Gel Switch Resonators with Cell-Free Toehold Switches. <i>ACS Sensors</i> , 2022, 7, 806-815.	7.8	12
28	Adaptive, diverse and de-centralized diagnostics are key to the future of outbreak response. <i>BMC Biology</i> , 2020, 18, 153.	3.8	9
29	Logic invades cell-free biosensing. <i>Nature Chemical Biology</i> , 2022, 18, 356-358.	8.0	8
30	Development and validation of a one-step reverse transcription loop-mediated isothermal amplification (RT-LAMP) for rapid detection of ZIKV in patient samples from Brazil. <i>Scientific Reports</i> , 2021, 11, 4111.	3.3	6
31	Cell-Free Biosensors: Synthetic Biology Without Borders. , 2020, , 1-39.		1