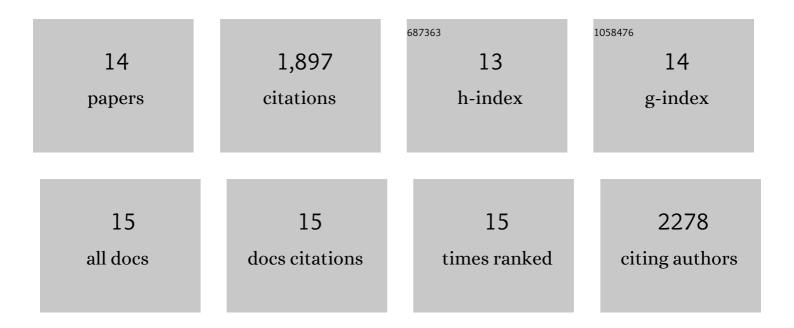
Hans R Aerni

List of Publications by Year in descending order

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HANS P AFDNI

#	Article	IF	CITATIONS
1	Genomically Recoded Organisms Expand Biological Functions. Science, 2013, 342, 357-360.	12.6	721
2	A semi-synthetic organism that stores and retrieves increased genetic information. Nature, 2017, 551, 644-647.	27.8	262
3	Evolution of translation machinery in recoded bacteria enables multi-site incorporation of nonstandard amino acids. Nature Biotechnology, 2015, 33, 1272-1279.	17.5	234
4	Robust production of recombinant phosphoproteins using cell-free protein synthesis. Nature Communications, 2015, 6, 8168.	12.8	106
5	Enhanced phosphoserine insertion during <i>Escherichia coli</i> protein synthesis via partial UAG codon reassignment and release factor 1 deletion. FEBS Letters, 2012, 586, 3716-3722.	2.8	91
6	A flexible codon in genomically recoded Escherichia coli permits programmable protein phosphorylation. Nature Communications, 2015, 6, 8130.	12.8	86
7	The polycystins are modulated by cellular oxygen-sensing pathways and regulate mitochondrial function. Molecular Biology of the Cell, 2017, 28, 261-269.	2.1	73
8	Chemical Evolution of a Bacterial Proteome. Angewandte Chemie - International Edition, 2015, 54, 10030-10034.	13.8	71
9	Revealing the amino acid composition of proteins within an expanded genetic code. Nucleic Acids Research, 2015, 43, e8-e8.	14.5	68
10	An engineered IL-2 reprogrammed for anti-tumor therapy using a semi-synthetic organism. Nature Communications, 2021, 12, 4785.	12.8	62
11	PKCε contributes to lipid-induced insulin resistance through cross talk with p70S6K and through previously unknown regulators of insulin signaling. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, E8996-E9005.	7.1	51
12	MS-READ: Quantitative measurement of amino acid incorporation. Biochimica Et Biophysica Acta - General Subjects, 2017, 1861, 3081-3088.	2.4	35
13	Editing of misaminoacylated tRNA controls the sensitivity of amino acid stress responses in Saccharomyces cerevisiae. Nucleic Acids Research, 2017, 45, 3985-3996.	14.5	29
14	Distinct Hepatic PKA and CDK Signaling Pathways Control Activity-Independent Pyruvate Kinase Phosphorylation and Hepatic Glucose Production. Cell Reports, 2019, 29, 3394-3404.e9.	6.4	8