

# Johan Rockberg

## List of Publications by Year in descending order

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Version: 2024-02-01

44  
papers

15,623  
citations

361413  
20  
h-index

254184  
43  
g-index

47  
all docs

47  
docs citations

47  
times ranked

33960  
citing authors

#	ARTICLE	IF	CITATIONS
1	Autophagy and intracellular product degradation genes identified by systems biology analysis reduce aggregation of bispecific antibody in CHO cells. <i>New Biotechnology</i> , 2022, 68, 68-76.	4.4	2
2	Harnessing secretory pathway differences between HEK293 and CHO to rescue production of difficult to express proteins. <i>Metabolic Engineering</i> , 2022, 72, 171-187.	7.0	13
3	Enhanced metabolism and negative regulation of ER stress support higher erythropoietin production in HEK293 cells. <i>Cell Reports</i> , 2022, 39, 110936.	6.4	4
4	Small Bispecific Affinity Proteins for Simultaneous Target Binding and Albumin-Associated Half-Life Extension. <i>Molecular Pharmaceutics</i> , 2021, 18, 328-337.	4.6	8
5	Bispecific Antibody Molecule Inhibits Tumor Cell Proliferation More Efficiently Than the Two-Molecule Combination. <i>Drugs in R and D</i> , 2021, 21, 157-168.	2.2	9
6	Ancestral lysosomal enzymes with increased activity harbor therapeutic potential for treatment of Hunter syndrome. <i>IScience</i> , 2021, 24, 102154.	4.1	5
7	Secretome screening reveals immunomodulating functions of IFN $\gamma$ , PAP and GDF-7 on regulatory T-cells. <i>Scientific Reports</i> , 2021, 11, 16767.	3.3	6
8	Small-scale bioreactor supports high density HEK293 cell perfusion culture for the production of recombinant Erythropoietin. <i>Journal of Biotechnology</i> , 2020, 309, 44-52.	3.8	38
9	Systematic use of synthetic 5' UTR RNA structures to tune protein translation improves yield and quality of complex proteins in mammalian cell factories. <i>Nucleic Acids Research</i> , 2020, 48, e119-e119.	14.5	20
10	Reactive oxygen species as an initiator of toxic innate immune responses in retort to SARS-CoV-2 in an ageing population, consider N-acetylcysteine as early therapeutic intervention. <i>Toxicology Reports</i> , 2020, 7, 768-771.	3.3	79
11	Low Shear Stress Increases Recombinant Protein Production and High Shear Stress Increases Apoptosis in Human Cells. <i>IScience</i> , 2020, 23, 101653.	4.1	24
12	Evolution from adherent to suspension: systems biology of HEK293 cell line development. <i>Scientific Reports</i> , 2020, 10, 18996.	3.3	49
13	High throughput generation of a resource of the human secretome in mammalian cells. <i>New Biotechnology</i> , 2020, 58, 45-54.	4.4	16
14	Chromophore pre-maturation for improved speed and sensitivity of split-GFP monitoring of protein secretion. <i>Scientific Reports</i> , 2019, 9, 310.	3.3	8
15	SAMURAI (Solid-phase Assisted Mutagenesis by Uracil Restriction for Accurate Integration) for antibody affinity maturation and paratope mapping. <i>Nucleic Acids Research</i> , 2019, 47, e34-e34.	14.5	2
16	The human secretome. <i>Science Signaling</i> , 2019, 12, .	3.6	259
17	An Introduction to Epitope Mapping. <i>Methods in Molecular Biology</i> , 2018, 1785, 1-10.	0.9	29
18	Epitope Mapping of Antibodies Using Bacterial Cell Surface Display of Gene Fragment Libraries. <i>Methods in Molecular Biology</i> , 2018, 1785, 141-157.	0.9	1

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19	Discontinuous Epitope Mapping of Antibodies Using Bacterial Cell Surface Display of Folded Domains. <i>Methods in Molecular Biology</i> , 2018, 1785, 159-183.	0.9	0
20	High Cell Density Perfusion Culture has a Maintained Exoproteome and Metabolome. <i>Biotechnology Journal</i> , 2018, 13, e1800036.	3.5	18
21	A subcellular map of the human proteome. <i>Science</i> , 2017, 356, .	12.6	2,079
22	Stratification of responders towards eculizumab using a structural epitope mapping strategy. <i>Scientific Reports</i> , 2016, 6, 31365.	3.3	16
23	Versatile microscale screening platform for improving recombinant protein productivity in Chinese hamster ovary cells. <i>Scientific Reports</i> , 2015, 5, 18016.	3.3	23
24	Dissecting Antibodies with Regards to Linear and Conformational Epitopes. <i>PLoS ONE</i> , 2015, 10, e0121673.	2.5	89
25	Solid-phase cloning for high-throughput assembly of single and multiple DNA parts. <i>Nucleic Acids Research</i> , 2015, 43, e49-e49.	14.5	14
26	Tissue-based map of the human proteome. <i>Science</i> , 2015, 347, 1260419.	12.6	10,802
27	Genetic and nutrient modulation of acetyl-CoA levels in <i>Synechocystis</i> for n-butanol production. <i>Microbial Cell Factories</i> , 2015, 14, 167.	4.0	92
28	Combination of novel HER2-targeting antibody 1E11 with trastuzumab shows synergistic antitumor activity in HER2-positive gastric cancer. <i>Molecular Oncology</i> , 2015, 9, 398-408.	4.6	31
29	Proteome-wide Epitope Mapping of Antibodies Using Ultra-dense Peptide Arrays. <i>Molecular and Cellular Proteomics</i> , 2014, 13, 1585-1597.	3.8	110
30	Epitope Mapping of Monoclonal and Polyclonal Antibodies Using Bacterial Cell Surface Display. <i>Methods in Molecular Biology</i> , 2014, 1131, 485-500.	0.9	7
31	Contribution of Antibody-based Protein Profiling to the Human Chromosome-centric Proteome Project (C-HPP). <i>Journal of Proteome Research</i> , 2013, 12, 2439-2448.	3.7	48
32	Multiplex epitope mapping using bacterial surface display reveals both linear and conformational epitopes. <i>Scientific Reports</i> , 2012, 2, 706.	3.3	23
33	High-resolution Mapping of Linear Antibody Epitopes Using Ultrahigh-density Peptide Microarrays. <i>Molecular and Cellular Proteomics</i> , 2012, 11, 1790-1800.	3.8	166
34	Automated Solid-Phase Subcloning Based on Beads Brought into Proximity by Magnetic Force. <i>PLoS ONE</i> , 2012, 7, e37429.	2.5	4
35	Parallel Immunizations of Rabbits Using the Same Antigen Yield Antibodies with Similar, but Not Identical, Epitopes. <i>PLoS ONE</i> , 2012, 7, e45817.	2.5	13
36	Generation of monospecific antibodies based on affinity capture of polyclonal antibodies. <i>Protein Science</i> , 2011, 20, 1824-1835.	7.6	17

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37	Staphylococcal Surface Display in Combinatorial Protein Engineering and Epitope Mapping of Antibodies. <i>Recent Patents on Biotechnology</i> , 2010, 4, 171-182.	0.8	22
38	Epitope Mapping Using Gram-Positive Surface Display. <i>Current Protocols in Immunology</i> , 2010, 90, Unit9.9.	3.6	11
39	Prediction of antibody response using recombinant human protein fragments as antigen. <i>Protein Science</i> , 2009, 18, 2346-2355.	7.6	11
40	Discovery of epitopes for targeting the human epidermal growth factor receptor 2 ( <i>HER2</i> ) with antibodies. <i>Molecular Oncology</i> , 2009, 3, 238-247.	4.6	23
41	A whole-genome bioinformatics approach to selection of antigens for systematic antibody generation. <i>Proteomics</i> , 2008, 8, 2832-2839.	2.2	52
42	Epitope mapping of antibodies using bacterial surface display. <i>Nature Methods</i> , 2008, 5, 1039-1045.	19.0	90
43	Selection of protein epitopes for antibody production. <i>BioTechniques</i> , 2005, 38, 723-727.	1.8	61
44	A Human Protein Atlas for Normal and Cancer Tissues Based on Antibody Proteomics. <i>Molecular and Cellular Proteomics</i> , 2005, 4, 1920-1932.	3.8	1,226