

Raik GrÃ¼nberg

List of Publications by Year in descending order

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Version: 2024-02-01

32
papers

1,573
citations

567281

15
h-index

477307

29
g-index

33
all docs

33
docs citations

33
times ranked

2369
citing authors

#	ARTICLE	IF	CITATIONS
1	The Synthetic Biology Open Language (SBOL) provides a community standard for communicating designs in synthetic biology. <i>Nature Biotechnology</i> , 2014, 32, 545-550.	17.5	247
2	Rapid single-molecule detection of COVID-19 and MERS antigens via nanobody-functionalized organic electrochemical transistors. <i>Nature Biomedical Engineering</i> , 2021, 5, 666-677.	22.5	235
3	Complementarity of Structure Ensembles in Protein-Protein Binding. <i>Structure</i> , 2004, 12, 2125-2136.	3.3	173
4	Spo0A directly controls the switch from acid to solvent production in solvent-forming clostridia. <i>Molecular Microbiology</i> , 2000, 37, 1172-1185.	2.5	133
5	Flexibility and Conformational Entropy in Protein-Protein Binding. <i>Structure</i> , 2006, 14, 683-693.	3.3	132
6	Strategies for protein synthetic biology. <i>Nucleic Acids Research</i> , 2010, 38, 2663-2675.	14.5	99
7	Sharing Structure and Function in Biological Design with SBOL 2.0. <i>ACS Synthetic Biology</i> , 2016, 5, 498-506.	3.8	88
8	Pathways and Intermediates in Forced Unfolding of Spectrin Repeats. <i>Structure</i> , 2002, 10, 1085-1096.	3.3	75
9	Engineering of weak helper interactions for high-efficiency FRET probes. <i>Nature Methods</i> , 2013, 10, 1021-1027.	19.0	62
10	Biskit A software platform for structural bioinformatics. <i>Bioinformatics</i> , 2007, 23, 769-770.	4.1	61
11	Shelling the Voronoi interface of protein-protein complexes reveals patterns of residue conservation, dynamics, and composition. <i>Proteins: Structure, Function and Bioinformatics</i> , 2009, 76, 677-692.	2.6	45
12	The Synthetic Biology Open Language (SBOL) Version 3: Simplified Data Exchange for Bioengineering. <i>Frontiers in Bioengineering and Biotechnology</i> , 2020, 8, 1009.	4.1	40
13	Building blocks for protein interaction devices. <i>Nucleic Acids Research</i> , 2010, 38, 2645-2662.	14.5	28
14	Synthetic Biology Open Language Visual (SBOL Visual) Version 2.0. <i>Journal of Integrative Bioinformatics</i> , 2018, 15, .	1.5	21
15	Synthetic Biology Open Language (SBOL) Version 2.2.0. <i>Journal of Integrative Bioinformatics</i> , 2018, 15, .	1.5	20
16	Synthetic Biology Open Language (SBOL) Version 2.3. <i>Journal of Integrative Bioinformatics</i> , 2019, 16, .	1.5	16
17	A Biobrick Library for Cloning Custom Eukaryotic Plasmids. <i>PLoS ONE</i> , 2011, 6, e23685.	2.5	15
18	Peptide bond formation mediated by substrate mimetics. <i>FEBS Journal</i> , 2000, 267, 7024-7030.	0.2	13

#	ARTICLE	IF	CITATIONS
19	Synthetic biology open language (SBOL) version 3.0.0. Journal of Integrative Bioinformatics, 2020, 17, .	1.5	13
20	Synthetic Biology Open Language (SBOL) Version 2.1.0. Journal of Integrative Bioinformatics, 2016, 13, .	1.5	11
21	Methods for the recombinant expression of active tyrosine kinase domains: Guidelines and pitfalls. Methods in Enzymology, 2019, 621, 131-152.	1.0	8
22	SynBioWave—a real-time communication platform for molecular and synthetic biology. Bioinformatics, 2010, 26, 2782-2783.	4.1	7
23	Synthetic Biology Open Language (SBOL) Version 2.1.0. Journal of Integrative Bioinformatics, 2016, 13, 291.	1.5	6
24	SBOLme: a Repository of SBOL Parts for Metabolic Engineering. ACS Synthetic Biology, 2017, 6, 732-736.	3.8	5
25	Developing synthetic biology in Argentina: the Latin American TECNOx community as an alternative way for growth of the field. Critical Reviews in Biotechnology, 2020, 40, 357-364.	9.0	5
26	How to Find the Right RNA-Sensing CRISPR-Cas System for an In Vitro Application. Biosensors, 2022, 12, 53.	4.7	5
27	Efficient multi-gene expression in cell-free droplet microreactors. PLoS ONE, 2022, 17, e0260420.	2.5	5
28	Shelling the Voronoi interface of protein-protein complexes predicts residue activity and conservation. Nature Precedings, 2008, , .	0.1	2
29	A Visual Language for Protein Design. ACS Synthetic Biology, 2017, 6, 1120-1123.	3.8	2
30	Shelling the Voronoi interface of protein-protein complexes predicts residue activity and conservation. Nature Precedings, 2008, , .	0.1	0
31	Pathogen and Protein Detection using Organic Electronics. , 2022, , .		0
32	Conjugated Polymer based Electronics for Diagnostics in Physiological Media. , 2022, , .		0