

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	How to Find the Right RNA-Sensing CRISPR-Cas System for an In Vitro Application. Biosensors, 2022, 12, 53.	4.7	5
2	Efficient multi-gene expression in cell-free droplet microreactors. PLoS ONE, 2022, 17, e0260420.	2.5	5
3	Pathogen and Protein Detection using Organic Electronics. , 2022, , .		0
4	Conjugated Polymer based Electronics for Diagnostics in Physiological Media. , 2022, , .		0
5	Rapid single-molecule detection of COVID-19 and MERS antigens via nanobody-functionalized organic electrochemical transistors. Nature Biomedical Engineering, 2021, 5, 666-677.	22.5	235
6	The Synthetic Biology Open Language (SBOL) Version 3: Simplified Data Exchange for Bioengineering. Frontiers in Bioengineering and Biotechnology, 2020, 8, 1009.	4.1	40
7	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
8	Synthetic biology open language (SBOL) version 3.0.0. Journal of Integrative Bioinformatics, 2020, 17, .	1.5	13
9	Synthetic Biology Open Language (SBOL) Version 2.3. Journal of Integrative Bioinformatics, 2019, 16, .	1.5	16
10	Methods for the recombinant expression of active tyrosine kinase domains: Guidelines and pitfalls. Methods in Enzymology, 2019, 621, 131-152.	1.0	8
11	Synthetic Biology Open Language (SBOL) Version 2.2.0. Journal of Integrative Bioinformatics, 2018, 15, .	1.5	20
12	Synthetic Biology Open Language Visual (SBOL Visual) Version 2.0. Journal of Integrative Bioinformatics, 2018, 15, .	1.5	21
13	SBOLme: a Repository of SBOL Parts for Metabolic Engineering. ACS Synthetic Biology, 2017, 6, 732-736.	3.8	5
14	A Visual Language for Protein Design. ACS Synthetic Biology, 2017, 6, 1120-1123.	3.8	2
15	Synthetic Biology Open Language (SBOL) Version 2.1.0. Journal of Integrative Bioinformatics, 2016, 13, .	1.5	11
16	Sharing Structure and Function in Biological Design with SBOL 2.0. ACS Synthetic Biology, 2016, 5, 498-506.	3.8	88
17	Synthetic Biology Open Language (SBOL) Version 2.1.0. Journal of Integrative Bioinformatics, 2016, 13, 291.	1.5	6
18	The Synthetic Biology Open Language (SBOL) provides a community standard for communicating designs in synthetic biology. Nature Biotechnology, 2014, 32, 545-550.	17.5	247

#	ARTICLE	IF	CITATIONS
19	Engineering of weak helper interactions for high-efficiency FRET probes. <i>Nature Methods</i> , 2013, 10, 1021-1027.	19.0	62
20	A Biobrick Library for Cloning Custom Eukaryotic Plasmids. <i>PLoS ONE</i> , 2011, 6, e23685.	2.5	15
21	SynBioWave™ a real-time communication platform for molecular and synthetic biology. <i>Bioinformatics</i> , 2010, 26, 2782-2783.	4.1	7
22	Building blocks for protein interaction devices. <i>Nucleic Acids Research</i> , 2010, 38, 2645-2662.	14.5	28
23	Strategies for protein synthetic biology. <i>Nucleic Acids Research</i> , 2010, 38, 2663-2675.	14.5	99
24	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
25	Shelling the Voronoi interface of protein-protein complexes predicts residue activity and conservation. <i>Nature Precedings</i> , 2008, , .	0.1	0
26	Shelling the Voronoi interface of protein-protein complexes predicts residue activity and conservation. <i>Nature Precedings</i> , 2008, , .	0.1	2
27	Biskit A software platform for structural bioinformatics. <i>Bioinformatics</i> , 2007, 23, 769-770.	4.1	61
28	Flexibility and Conformational Entropy in Protein-Protein Binding. <i>Structure</i> , 2006, 14, 683-693.	3.3	132
29	Complementarity of Structure Ensembles in Protein-Protein Binding. <i>Structure</i> , 2004, 12, 2125-2136.	3.3	173
30	Pathways and Intermediates in Forced Unfolding of Spectrin Repeats. <i>Structure</i> , 2002, 10, 1085-1096.	3.3	75
31	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
32	Peptide bond formation mediated by substrate mimetics. <i>FEBS Journal</i> , 2000, 267, 7024-7030.	0.2	13