

Markus Schmidt

List of Publications by Year in descending order

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Version: 2024-02-01

49
papers

1,483
citations

430874

18
h-index

330143

37
g-index

64
all docs

64
docs citations

64
times ranked

1619
citing authors

#	ARTICLE	IF	CITATIONS
1	Bottlenecks and opportunities for synthetic biology biosafety standards. Nature Communications, 2022, 13, 2175.	12.8	9
2	For the sake of the Bioeconomy: define what a Synthetic Biology Chassis is!. New Biotechnology, 2021, 60, 44-51.	4.4	34
3	How To Quantify a Genetic Firewall? A Polarity-Based Metric for Genetic Code Engineering. ChemBioChem, 2021, 22, 1268-1284.	2.6	7
4	Xenobiology: A Journey towards Parallel Life Forms. ChemBioChem, 2020, 21, 2228-2231.	2.6	10
5	The long journey towards standards for engineering biosystems. EMBO Reports, 2020, 21, e50521.	4.5	46
6	A metric space for semantic containment: Towards the implementation of genetic firewalls. BioSystems, 2019, 185, 104015.	2.0	11
7	Human enhancement through the lens of experimental and speculative neurotechnologies. Human Behavior and Emerging Technologies, 2019, 1, 361-372.	4.4	6
8	Novel biotechnological approaches to produce biological compounds: challenges and opportunities for science communication. Current Opinion in Biotechnology, 2019, 56, 43-47.	6.6	11
9	A dolichoderine ant that constructs traps to ambush prey collectively: convergent evolution with a myrmicine genus. Biological Journal of the Linnean Society, 2018, 124, 41-46.	1.6	12
10	Biological standards for the Knowledge-Based BioEconomy: What is at stake. New Biotechnology, 2018, 40, 170-180.	4.4	46
11	BachBerry: BACterial Hosts for production of Bioactive phenolics from bERRY fruits. Phytochemistry Reviews, 2018, 17, 291-326.	6.5	12
12	Cephalopods Between Science, Art, and Engineering: A Contemporary Synthesis. Frontiers in Communication, 2018, 3, .	1.2	22
13	Fast-Growing Engineered Microbes: New Concerns for Gain-of-Function Research?. Frontiers in Genetics, 2018, 9, 207.	2.3	9
14	Homo Politicus meets Homo Ludens: Public participation in serious life science games. Public Understanding of Science, 2017, 26, 531-546.	2.8	4
15	The do-it-yourself movement as a source of innovation in biotechnology " and much more. Microbial Biotechnology, 2017, 10, 517-519.	4.2	13
16	Xenobiology: State-of-the-Art, Ethics, and Philosophy of New-to-Nature Organisms. Advances in Biochemical Engineering/Biotechnology, 2017, 162, 301-315.	1.1	14
17	Sustainable Assessment on Using Bacterial Platform to Produce High-Added-Value Products from Berries through Metabolic Engineering. , 2016, , 71-78.		3
18	Synthetic bugs on the loose: containment options for deeply engineered (micro)organisms. Current Opinion in Biotechnology, 2016, 38, 90-96.	6.6	67

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19	Splicing Boundaries: The Experiences of Bioart Exhibition Visitors. <i>Leonardo</i> , 2015, 48, 128-136.	0.3	7
20	The Bio:Fiction film festival: Sensing how a debate about synthetic biology might evolve. <i>Public Understanding of Science</i> , 2015, 24, 619-635.	2.8	14
21	Improving Biocontainment with Synthetic Biology: Beyond Physical Containment. <i>Springer Protocols</i> , 2015, , 185-199.	0.3	7
22	European do-it-yourself (DIY) biology: Beyond the hope, hype and horror. <i>BioEssays</i> , 2014, 36, 548-551.	2.5	78
23	A Serious Game for Public Engagement in Synthetic Biology. <i>Lecture Notes in Computer Science</i> , 2014, , 77-85.	1.3	3
24	Biohacking. <i>Kultur- Und Medientheorie</i> , 2014, , 31-42.	0.0	0
25	Correlation of material lifetime predictions by artificial aging vs. the relaxation master curve. <i>Polymer Bulletin</i> , 2013, 70, 1659-1676.	3.3	4
26	From essential to persistent genes: a functional approach to constructing synthetic life. <i>Trends in Genetics</i> , 2013, 29, 273-279.	6.7	106
27	Frames and comparators: How might a debate on synthetic biology evolve?. <i>Futures</i> , 2013, 48, 44-54.	2.5	57
28	Biosafety Considerations of Synthetic Biology in the International Genetically Engineered Machine (iGEM) Competition. <i>BioScience</i> , 2013, 63, 25-34.	4.9	20
29	Frankenstein 2.0.: Identifying and characterising synthetic biology engineers in science fiction films. <i>Life Sciences, Society and Policy</i> , 2013, 9, .	3.2	9
30	Assessment and management of biosafety in synthetic biology. <i>Biodiversity Science</i> , 2013, 20, 138-150.	0.6	0
31	Synthetic biology in the view of European public funding organisations. <i>Public Understanding of Science</i> , 2012, 21, 149-162.	2.8	26
32	Xenobiologie: Andere Lebensformen sind machbar. <i>BioSpektrum</i> , 2012, 18, 567-567.	0.0	0
33	Synthetic constructs in/for the environment: Managing the interplay between natural and engineered Biology. <i>FEBS Letters</i> , 2012, 586, 2199-2206.	2.8	78
34	Perspektiven der Kommunikation für die Synthetische Biologie. <i>Acatech-Diskussion</i> , 2012, , 113-154.	0.2	3
35	Synthetic Toxicology: Where Engineering Meets Biology and Toxicology. <i>Toxicological Sciences</i> , 2011, 120, S204-S224.	3.1	26
36	Synthetic biology: An emerging research field in China. <i>Biotechnology Advances</i> , 2011, 29, 804-814.	11.7	22

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37	Crop Wild Relativesâ€”Undervalued, Underutilized and under Threat?. BioScience, 2011, 61, 559-565.	4.9	202
38	New life in the laboratory: Can synthetic biology bring sustainable development to China?. Biochemist, 2011, 33, 14-18.	0.5	1
39	Biosicherheit und Synthetische Biologie. , 2011, , 111-127.		2
40	Xenobiology: A new form of life as the ultimate biosafety tool. BioEssays, 2010, 32, 322-331.	2.5	163
41	A priority paper for the societal and ethical aspects of synthetic biology. Systems and Synthetic Biology, 2009, 3, 3-7.	1.0	73
42	Of Newtons and heretics. Nature Biotechnology, 2009, 27, 321-322.	17.5	13
43	Do I Understand What I Can Create?. , 2009, , 81-100.		21
44	Ambiguity in a trans-disciplinary stakeholder assessment of neglected and underutilized species in China, Cambodia, Thailand and Vietnam. Biodiversity and Conservation, 2008, 17, 1645-1666.	2.6	5
45	Diffusion of synthetic biology: a challenge to biosafety. Systems and Synthetic Biology, 2008, 2, 1-6.	1.0	83
46	SYNBIOSAFE e-conference: online community discussion on the societal aspects of synthetic biology. Systems and Synthetic Biology, 2008, 2, 7-17.	1.0	34
47	Risk Assessment for Transgenic Sorghum in Africa: Cropâ€™sâ€™Crop Gene Flow in Sorghum bicolor (L.) Moench. Crop Science, 2006, 46, 790-798.	1.8	42
48	Public will fear biological accidents, not just attacks. Nature, 2006, 441, 1048-1048.	27.8	8
49	Conversion of Biomass into Bioplastics and Their Potential Environmental Impacts. , 0, , .		15