

# Nicholas S Sarai

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/4624114/publications.pdf>

Version: 2024-02-01

12  
papers

227  
citations

1163117

8  
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1281871

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g-index

15  
all docs

15  
docs citations

15  
times ranked

322  
citing authors

#	ARTICLE	IF	CITATIONS
1	Tailoring Tryptophan Synthase TrpB for Selective Quaternary Carbon Bond Formation. <i>Journal of the American Chemical Society</i> , 2019, 141, 19817-19822.	13.7	46
2	Creation of a functional hyperthermostable designer cellulosome. <i>Biotechnology for Biofuels</i> , 2019, 12, 44.	6.2	39
3	High activity CAZyme cassette for improving biomass degradation in thermophiles. <i>Biotechnology for Biofuels</i> , 2018, 11, 22.	6.2	35
4	Nitroalkanes as Versatile Nucleophiles for Enzymatic Synthesis of Noncanonical Amino Acids. <i>ACS Catalysis</i> , 2019, 9, 8726-8730.	11.2	31
5	Biocatalytic Transformations of Silicon—the Other Group 14 Element. <i>ACS Central Science</i> , 2021, 7, 944-953.	11.3	28
6	Glycosylation Is Vital for Industrial Performance of Hyperactive Cellulases. <i>ACS Sustainable Chemistry and Engineering</i> , 2019, 7, 4792-4800.	6.7	19
7	An iterative computational design approach to increase the thermal endurance of a mesophilic enzyme. <i>Biotechnology for Biofuels</i> , 2018, 11, 189.	6.2	11
8	Glycosylation of hyperthermostable designer cellulosome components yields enhanced stability and cellulose hydrolysis. <i>FEBS Journal</i> , 2020, 287, 4370-4388.	4.7	11
9	Iron incorporation both intra- and extra-cellularly improves the yield and saccharification of switchgrass ( <i>Panicum virgatum</i> L.) biomass. <i>Biotechnology for Biofuels</i> , 2021, 14, 55.	6.2	2
10	Genetics of Unstudied Thermophiles for Industry. <i>Methods in Molecular Biology</i> , 2020, 2096, 5-19.	0.9	2
11	Fundamentals and Industrial Applicability of Multifunctional CAZyme Systems. , 2019, , 14-23.		1
12	Self-Assembling Metabolon Enables the Cell Free Conversion of Glycerol to 1,3-Propanediol. <i>Frontiers in Energy Research</i> , 2021, 9, .	2.3	1