

Oskar Staufer

List of Publications by Year in descending order

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Version: 2024-02-01

18
papers

849
citations

759233

12
h-index

888059

17
g-index

24
all docs

24
docs citations

24
times ranked

1414
citing authors

#	ARTICLE	IF	CITATIONS
1	Free fatty acid binding pocket in the locked structure of SARS-CoV-2 spike protein. <i>Science</i> , 2020, 370, 725-730.	12.6	348
2	One-Pot Assembly of Complex Giant Unilamellar Vesicle-Based Synthetic Cells. <i>ACS Synthetic Biology</i> , 2019, 8, 937-947.	3.8	114
3	Can Bottom-Up Synthetic Biology Generate Advanced Drug-Delivery Systems?. <i>Trends in Biotechnology</i> , 2021, 39, 445-459.	9.3	52
4	Microfluidic production and characterization of biofunctionalized giant unilamellar vesicles for targeted intracellular cargo delivery. <i>Biomaterials</i> , 2021, 264, 120203.	11.4	45
5	Bottom-Up Assembly of Functional Intracellular Synthetic Organelles by Droplet-Based Microfluidics. <i>Small</i> , 2020, 16, e1906424.	10.0	42
6	Bottom-up assembly of biomedical relevant fully synthetic extracellular vesicles. <i>Science Advances</i> , 2021, 7, eabg6666.	10.3	42
7	Adhesion Stabilized <i>in Vivo</i> Intracellular Electrical Recordings from Multicellular Assemblies. <i>Nano Letters</i> , 2019, 19, 3244-3255.	9.1	32
8	Building a community to engineer synthetic cells and organelles from the bottom-up. <i>ELife</i> , 2021, 10, .	6.0	27
9	Structural insights in cell-type specific evolution of intra-host diversity by SARS-CoV-2. <i>Nature Communications</i> , 2022, 13, 222.	12.8	23
10	Synthetic cells with self-activating optogenetic proteins communicate with natural cells. <i>Nature Communications</i> , 2022, 13, 2328.	12.8	23
11	Synthetic virions reveal fatty acid-coupled adaptive immunogenicity of SARS-CoV-2 spike glycoprotein. <i>Nature Communications</i> , 2022, 13, 868.	12.8	20
12	Vesicle Induced Receptor Sequestration: Mechanisms behind Extracellular Vesicle-Based Protein Signaling. <i>Advanced Science</i> , 2022, 9, e2200201.	11.2	19
13	Polymer-Based Porous Microcapsules as Bacterial Traps. <i>Advanced Functional Materials</i> , 2020, 30, 1908855.	14.9	12
14	Bottom-up assembly of target-specific cytotoxic synthetic cells. <i>Biomaterials</i> , 2022, 285, 121522.	11.4	10
15	Functional fusion of living systems with synthetic electrode interfaces. <i>Beilstein Journal of Nanotechnology</i> , 2016, 7, 296-301.	2.8	9
16	Protease-resistant cell meshworks: An indication of membrane nanotube-based syncytia formation. <i>Experimental Cell Research</i> , 2018, 372, 85-91.	2.6	9
17	A Hepatic GAbp-AMPK Axis Links Inflammatory Signaling to Systemic Vascular Damage. <i>Cell Reports</i> , 2017, 20, 1422-1434.	6.4	7
18	Monolithic Integration and Analysis of Vertical, Partially Encapsulated Nanoelectrode Arrays. <i>Journal of Microelectromechanical Systems</i> , 2020, 29, 1180-1188.	2.5	0