

Onur Aydin

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/4212808/publications.pdf>

Version: 2024-02-01

14
papers

622
citations

1170033

9
h-index

1113639

15
g-index

18
all docs

18
docs citations

18
times ranked

995
citing authors

#	ARTICLE	IF	CITATIONS
1	Principles for the design of multicellular engineered living systems. <i>APL Bioengineering</i> , 2022, 6, 010903.	3.3	17
2	Empowering engineered muscle in biohybrid pump by extending connexin 43 duration with reduced graphene oxides. <i>Biomaterials</i> , 2022, 287, 121643.	5.7	3
3	Development of an objective index, neural activity score (NAS), reveals neural network ontogeny and treatment effects on microelectrode arrays. <i>Scientific Reports</i> , 2021, 11, 9110.	1.6	4
4	Compliant 3D frameworks instrumented with strain sensors for characterization of millimeter-scale engineered muscle tissues. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, .	3.3	30
5	Performance of fabrics for home-made masks against the spread of COVID-19 through droplets: A quantitative mechanistic study. <i>Extreme Mechanics Letters</i> , 2020, 40, 100924.	2.0	123
6	Phase imaging with computational specificity (PICS) for measuring dry mass changes in sub-cellular compartments. <i>Nature Communications</i> , 2020, 11, 6256.	5.8	109
7	Development of 3D neuromuscular bioactuators. <i>APL Bioengineering</i> , 2020, 4, 016107.	3.3	39
8	Neuromuscular actuation of biohybrid motile bots. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019, 116, 19841-19847.	3.3	108
9	A novel technique for <i>in situ</i> uniaxial tests of self-assembled soft biomaterials. <i>Lab on A Chip</i> , 2019, 19, 1153-1161.	3.1	10
10	Engineering geometrical 3-dimensional untethered in vitro neural tissue mimic. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019, 116, 25932-25940.	3.3	26
11	Biohybrid valveless pump-bot powered by engineered skeletal muscle. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019, 116, 1543-1548.	3.3	67
12	Cell-to-cell influence on growth in large populations. <i>Biomedical Optics Express</i> , 2019, 10, 4664.	1.5	10
13	Simulation and Fabrication of Stronger, Larger, and Faster Walking Biohybrid Machines. <i>Advanced Functional Materials</i> , 2018, 28, 1801145.	7.8	61
14	Biomimetics: Simulation and Fabrication of Stronger, Larger, and Faster Walking Biohybrid Machines (<i>Adv. Funct. Mater.</i> 23/2018). <i>Advanced Functional Materials</i> , 2018, 28, 1870159.	7.8	1