Oncay Yasa

List of Publications by Year in descending order

Source: https://exaly.com/author-pdf/2529911/publications.pdf

Version: 2024-02-01

26 papers	2,896 citations	361296 20 h-index	526166 27 g-index
28 all docs	28 docs citations	28 times ranked	2772 citing authors

#	Article	IF	Citations
1	3D-Printed Biodegradable Microswimmer for Theranostic Cargo Delivery and Release. ACS Nano, 2019, 13, 3353-3362.	7.3	334
2	Soft erythrocyte-based bacterial microswimmers for cargo delivery. Science Robotics, 2018, 3, .	9.9	280
3	Light-Triggered Drug Release from 3D-Printed Magnetic Chitosan Microswimmers. ACS Nano, 2018, 12, 9617-9625.	7.3	280
4	Bioengineered and biohybrid bacteria-based systems for drug delivery. Advanced Drug Delivery Reviews, 2016, 106, 27-44.	6.6	262
5	Multifunctional Bacteria-Driven Microswimmers for Targeted Active Drug Delivery. ACS Nano, 2017, 11, 8910-8923.	7.3	258
6	Acoustically powered surface-slipping mobile microrobots. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 3469-3477.	3.3	188
7	Mobile Microrobots for Active Therapeutic Delivery. Advanced Therapeutics, 2019, 2, 1800064.	1.6	158
8	Microemulsion-Based Soft Bacteria-Driven Microswimmers for Active Cargo Delivery. ACS Nano, 2017, 11, 9759-9769.	7.3	157
9	Microalgaâ€Powered Microswimmers toward Active Cargo Delivery. Advanced Materials, 2018, 30, e1804130.	11.1	151
10	Microrobotics and Microorganisms: Biohybrid Autonomous Cellular Robots. Annual Review of Control, Robotics, and Autonomous Systems, 2019, 2, 205-230.	7.5	135
11	3Dâ€Printed Microrobotic Transporters with Recapitulated Stem Cell Niche for Programmable and Active Cell Delivery. Advanced Functional Materials, 2019, 29, 1808992.	7.8	107
12	Zwitterionic 3Dâ€Printed Nonâ€Immunogenic Stealth Microrobots. Advanced Materials, 2020, 32, e2003013.	11.1	95
13	Bioadhesive Bacterial Microswimmers for Targeted Drug Delivery in the Urinary and Gastrointestinal Tracts. Advanced Science, 2017, 4, 1700058.	5.6	82
14	Magnetically steerable bacterial microrobots moving in 3D biological matrices for stimuli-responsive cargo delivery. Science Advances, 2022, 8, .	4.7	80
15	Novel one-step synthesis of silica nanoparticles from sugarbeet bagasse by laser ablation and their effects on the growth of freshwater algae culture. Particuology, 2014, 17, 29-35.	2.0	67
16	Efficient ammonium removal from aquatic environments by Acinetobacter calcoaceticus STB1 immobilized on an electrospun cellulose acetate nanofibrous web. Green Chemistry, 2013, 15, 2566.	4.6	48
17	Improving pancreatic islet in vitro functionality and transplantation efficiency by using heparin mimetic peptide nanofiber gels. Acta Biomaterialia, 2015, 22, 8-18.	4.1	35
18	Nanoerythrosome-functionalized biohybrid microswimmers. APL Bioengineering, 2020, 4, 026103.	3.3	32

#	Article	IF	Citations
19	Mechanical Coupling of Puller and Pusher Active Microswimmers Influences Motility. Langmuir, 2020, 36, 5435-5443.	1.6	28
20	Microfluidic Tissue Engineering and Bioâ€Actuation. Advanced Materials, 2022, 34, e2108427.	11.1	28
21	Magnetic Resonance Imagingâ€Compatible Optically Powered Miniature Wireless Modular Lorentz Force Actuators. Advanced Science, 2021, 8, 2002948.	5.6	18
22	Temperature Gradients Drive Bulk Flow Within Microchannel Lined by Fluidâ€“Fluid Interfaces. Small, 2019, 15, e1900472.	5.2	17
23	Engineered Magnetic Nanocomposites to Modulate Cellular Function. Small, 2022, 18, e2104079.	5.2	16
24	Presentation of functional groups on self-assembled supramolecular peptide nanofibers mimicking glycosaminoglycans for directed mesenchymal stem cell differentiation. Journal of Materials Chemistry B, 2017, 5, 4890-4900.	2.9	14
25	Screening and selection of novel animal probiotics isolated from bovine chyme. Annals of Microbiology, 2013, 63, 1291-1300.	1.1	9
26	Bacteriabots: Bioadhesive Bacterial Microswimmers for Targeted Drug Delivery in the Urinary and Gastrointestinal Tracts (Adv. Sci. 6/2017). Advanced Science, 2017, 4, .	5.6	1