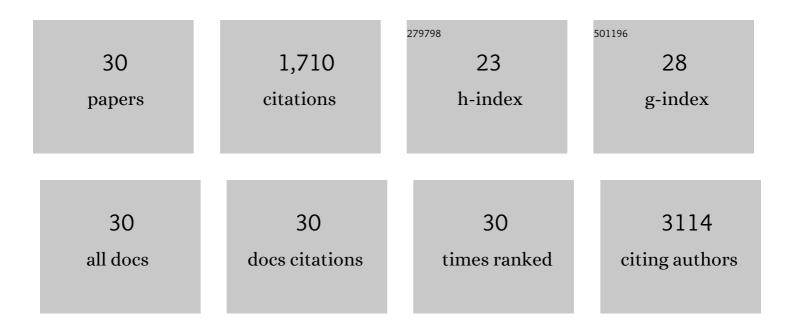


## List of Publications by Year in descending order

Source: https://exaly.com/author-pdf/5979972/publications.pdf Version: 2024-02-01



#	Article	IF	CITATIONS
1	A bioinspired scaffold for rapid oxygenation of cell encapsulation systems. Nature Communications, 2021, 12, 5846.	12.8	30
2	Developing mechanically robust, triazole-zwitterionic hydrogels to mitigate foreign body response (FBR) for islet encapsulation. Biomaterials, 2020, 230, 119640.	11.4	58
3	Physical confinement induces malignant transformation in mammary epithelial cells. Biomaterials, 2019, 217, 119307.	11.4	13
4	Engineering transferrable microvascular meshes for subcutaneous islet transplantation. Nature Communications, 2019, 10, 4602.	12.8	63
5	An Atmosphereâ€Breathing Refillable Biphasic Device for Cell Replacement Therapy. Advanced Materials, 2019, 31, e1905135.	21.0	25
6	Toll-like receptors TLR2 and TLR4 block the replication of pancreatic β cells in diet-induced obesity. Nature Immunology, 2019, 20, 677-686.	14.5	48
7	Dynamic DNA material with emergent locomotion behavior powered by artificial metabolism. Science Robotics, 2019, 4, .	17.6	52
8	Batteryâ€free implantable insulin micropump operating at transcutaneously radio frequencyâ€transmittable power. Medical Devices & Sensors, 2019, 2, e10055.	2.7	12
9	Zwitterionically modified alginates mitigate cellular overgrowth for cell encapsulation. Nature Communications, 2019, 10, 5262.	12.8	119
10	Designing a retrievable and scalable cell encapsulation device for potential treatment of type 1 diabetes. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, E263-E272.	7.1	137
11	A drip-crosslinked tough hydrogel. Polymer, 2018, 135, 327-330.	3.8	16
12	An RF-driven lightweight implantable insulin pump. , 2018, , .		2
13	High-water-content and resilient PEG-containing hydrogels with low fibrotic response. Acta Biomaterialia, 2017, 53, 100-108.	8.3	47
14	Phaseâ€ <b>S</b> elective Syntheses of Cobalt Telluride Nanofleeces for Efficient Oxygen Evolution Catalysts. Angewandte Chemie - International Edition, 2017, 56, 7769-7773.	13.8	157
15	Phaseâ€5elective Syntheses of Cobalt Telluride Nanofleeces for Efficient Oxygen Evolution Catalysts. Angewandte Chemie, 2017, 129, 7877-7881.	2.0	24
16	Scalable Production and Cryostorage of Organoids Using Core–Shell Decoupled Hydrogel Capsules. Advanced Biology, 2017, 1, 1700165.	3.0	38
17	Tu1630 Engraftment and Function of Human Pluripotent Stem Cell-Derived Hepatocyte-Like Cells in Mice Via 3D Co-Aggregation and Encapsulation. Gastroenterology, 2016, 150, S1153.	1.3	0
18	DNA Microgels as a Platform for Cell-Free Protein Expression and Display. Biomacromolecules, 2016, 17, 2019-2026.	5.4	52

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#	Article	IF	CITATIONS
19	Drug-Eluting Conformal Coatings on Individual Cells. Cellular and Molecular Bioengineering, 2016, 9, 382-397.	2.1	13
20	Mass production of shaped particles through vortex ring freezing. Nature Communications, 2016, 7, 12401.	12.8	55
21	Magnetic hydroxyapatite nanoworms for magnetic resonance diagnosis of acute hepatic injury. Nanoscale, 2016, 8, 1684-1690.	5.6	36
22	Engraftment of human induced pluripotent stem cell-derived hepatocytes in immunocompetent mice via 3D co-aggregation and encapsulation. Scientific Reports, 2015, 5, 16884.	3.3	72
23	Designing compartmentalized hydrogel microparticles for cell encapsulation and scalable 3D cell culture. Journal of Materials Chemistry B, 2015, 3, 353-360.	5.8	86
24	Developing robust, hydrogel-based, nanofiber-enabled encapsulation devices (NEEDs) for cell therapies. Biomaterials, 2015, 37, 40-48.	11.4	81
25	A shape-memory scaffold for macroscale assembly of functional nanoscale building blocks. Materials Horizons, 2014, 1, 69-73.	12.2	55
26	Nanofibrous Microposts and Microwells of Controlled Shapes and Their Hybridization with Hydrogels for Cell Encapsulation. ACS Applied Materials & Interfaces, 2014, 6, 7038-7044.	8.0	28
27	DNA Materials: Bridging Nanotechnology and Biotechnology. Accounts of Chemical Research, 2014, 47, 1902-1911.	15.6	228
28	PEGylated Upconverting Luminescent Hollow Nanospheres for Drug Delivery and In Vivo Imaging. Small, 2013, 9, 3235-3241.	10.0	49
29	Shapeâ€Controlled Synthesis of Monodisperse PdCu Nanocubes and Their Electrocatalytic Properties. ChemSusChem, 2013, 6, 1878-1882.	6.8	67
30	Tuning Magnetic Property and Autophagic Response for Selfâ€Assembled Ni–Co Alloy Nanocrystals. Advanced Functional Materials, 2013, 23, 5930-5940.	14.9	47