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List of Publications by Year
in descending order

30 papers	1,710 citations	279798 23 h-index	501196 28 g-index
30 all docs	30 docs citations	30 times ranked	3114 citing authors

#	Article	IF	Citations
1	DNA Materials: Bridging Nanotechnology and Biotechnology. Accounts of Chemical Research, 2014, 47, 1902-1911.	15.6	228
2	Phaseâ€Selective Syntheses of Cobalt Telluride Nanofleeces for Efficient Oxygen Evolution Catalysts. Angewandte Chemie - International Edition, 2017, 56, 7769-7773.	13.8	157
3	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
4	Zwitterionically modified alginates mitigate cellular overgrowth for cell encapsulation. Nature Communications, 2019, 10, 5262.	12.8	119
5	Designing compartmentalized hydrogel microparticles for cell encapsulation and scalable 3D cell culture. Journal of Materials Chemistry B, 2015, 3, 353-360.	5.8	86
6	Developing robust, hydrogel-based, nanofiber-enabled encapsulation devices (NEEDs) for cell therapies. Biomaterials, 2015, 37, 40-48.	11.4	81
7	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
8	Shapeâ€Controlled Synthesis of Monodisperse PdCu Nanocubes and Their Electrocatalytic Properties. ChemSusChem, 2013, 6, 1878-1882.	6.8	67
9	Engineering transferrable microvascular meshes for subcutaneous islet transplantation. Nature Communications, 2019, 10, 4602.	12.8	63
10	Developing mechanically robust, triazole-zwitterionic hydrogels to mitigate foreign body response (FBR) for islet encapsulation. Biomaterials, 2020, 230, 119640.	11.4	58
11	A shape-memory scaffold for macroscale assembly of functional nanoscale building blocks. Materials Horizons, 2014, 1, 69-73.	12.2	55
12	Mass production of shaped particles through vortex ring freezing. Nature Communications, 2016, 7, 12401.	12.8	55
13	DNA Microgels as a Platform for Cell-Free Protein Expression and Display. Biomacromolecules, 2016, 17, 2019-2026.	5.4	52
14	Dynamic DNA material with emergent locomotion behavior powered by artificial metabolism. Science Robotics, 2019, 4, .	17.6	52
15	PEGylated Upconverting Luminescent Hollow Nanospheres for Drug Delivery and In Vivo Imaging. Small, 2013, 9, 3235-3241.	10.0	49
16	Toll-like receptors TLR2 and TLR4 block the replication of pancreatic Î² cells in diet-induced obesity. Nature Immunology, 2019, 20, 677-686.	14.5	48
17	Tuning Magnetic Property and Autophagic Response for Selfâ€Assembled Niâ€“Co Alloy Nanocrystals. Advanced Functional Materials, 2013, 23, 5930-5940.	14.9	47
18	High-water-content and resilient PEG-containing hydrogels with low fibrotic response. Acta Biomaterialia, 2017, 53, 100-108.	8.3	47

#	Article	IF	Citations
19	Scalable Production and Cryostorage of Organoids Using Coreâ€“Shell Decoupled Hydrogel Capsules. Advanced Biology, 2017, 1, 1700165.	3.0	38
20	Magnetic hydroxyapatite nanoworms for magnetic resonance diagnosis of acute hepatic injury. Nanoscale, 2016, 8, 1684-1690.	5.6	36
21	A bioinspired scaffold for rapid oxygenation of cell encapsulation systems. Nature Communications, 2021, 12, 5846.	12.8	30
22	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
23	An Atmosphereâ€Breathing Refillable Biphasic Device for Cell Replacement Therapy. Advanced Materials, 2019, 31, e1905135.	21.0	25
24	Phaseâ€Selective Syntheses of Cobalt Telluride Nanofleeces for Efficient Oxygen Evolution Catalysts. Angewandte Chemie, 2017, 129, 7877-7881.	2.0	24
25	A drip-crosslinked tough hydrogel. Polymer, 2018, 135, 327-330.	3.8	16
26	Drug-Eluting Conformal Coatings on Individual Cells. Cellular and Molecular Bioengineering, 2016, 9, 382-397.	2.1	13
27	Physical confinement induces malignant transformation in mammary epithelial cells. Biomaterials, 2019, 217, 119307.	11.4	13
28	Batteryâ€free implantable insulin micropump operating at transcutaneously radio frequencyâ€transmittable power. Medical Devices & Sensors, 2019, 2, e10055.	2.7	12
29	An RF-driven lightweight implantable insulin pump. , 2018, , .		2
30	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