

Duo An

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/5979972/publications.pdf>

Version: 2024-02-01

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

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|----|---|------|-----------|
| 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 | Shape-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 Self-Assembled Ni-Co Alloy Nanocrystals. Advanced Functional Materials, 2013, 23, 5930-5940. | 14.9 | 47 |