

Wei Song

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/2294681/publications.pdf>

Version: 2024-02-01

26
papers

1,896
citations

361045

20
h-index

525886

27
g-index

27
all docs

27
docs citations

27
times ranked

3157
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|---|------|-----------|
| 1 | Biocompatible polymer materials: Role of protein–surface interactions. <i>Progress in Polymer Science</i> , 2008, 33, 1059-1087. | 11.8 | 617 |
| 2 | 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. | 3.3 | 137 |
| 3 | Zwitterionically modified alginates mitigate cellular overgrowth for cell encapsulation. <i>Nature Communications</i> , 2019, 10, 5262. | 5.8 | 119 |
| 4 | Adipogenic Differentiation of Individual Mesenchymal Stem Cell on Different Geometric Micropatterns. <i>Langmuir</i> , 2011, 27, 6155-6162. | 1.6 | 103 |
| 5 | Designing compartmentalized hydrogel microparticles for cell encapsulation and scalable 3D cell culture. <i>Journal of Materials Chemistry B</i> , 2015, 3, 353-360. | 2.9 | 86 |
| 6 | Developing robust, hydrogel-based, nanofiber-enabled encapsulation devices (NEEDs) for cell therapies. <i>Biomaterials</i> , 2015, 37, 40-48. | 5.7 | 81 |
| 7 | The effect of surface microtopography of poly(dimethylsiloxane) on protein adsorption, platelet and cell adhesion. <i>Colloids and Surfaces B: Biointerfaces</i> , 2009, 71, 275-281. | 2.5 | 76 |
| 8 | Engraftment of human induced pluripotent stem cell-derived hepatocytes in immunocompetent mice via 3D co-aggregation and encapsulation. <i>Scientific Reports</i> , 2015, 5, 16884. | 1.6 | 72 |
| 9 | Engineering the vasculature for islet transplantation. <i>Acta Biomaterialia</i> , 2019, 95, 131-151. | 4.1 | 65 |
| 10 | Engineering transferrable microvascular meshes for subcutaneous islet transplantation. <i>Nature Communications</i> , 2019, 10, 4602. | 5.8 | 63 |
| 11 | Protein adsorption and cell adhesion on polyurethane/Pluronic® surface with lotus leaf-like topography. <i>Colloids and Surfaces B: Biointerfaces</i> , 2010, 77, 234-239. | 2.5 | 54 |
| 12 | Protein adsorption on materials surfaces with nano-topography. <i>Science Bulletin</i> , 2007, 52, 3169-3173. | 1.7 | 49 |
| 13 | Dependence of Spreading and Differentiation of Mesenchymal Stem Cells on Micropatterned Surface Area. <i>Journal of Nanomaterials</i> , 2011, 2011, 1-9. | 1.5 | 47 |
| 14 | High-water-content and resilient PEG-containing hydrogels with low fibrotic response. <i>Acta Biomaterialia</i> , 2017, 53, 100-108. | 4.1 | 47 |
| 15 | The osteogenic differentiation of mesenchymal stem cells by controlled cell–cell interaction on micropatterned surfaces. <i>Journal of Biomedical Materials Research - Part A</i> , 2013, 101, 3388-3395. | 2.1 | 43 |
| 16 | Dynamic self-organization of microwell-aggregated cellular mixtures. <i>Soft Matter</i> , 2016, 12, 5739-5746. | 1.2 | 33 |
| 17 | Influence of cell protrusion and spreading on adipogenic differentiation of mesenchymal stem cells on micropatterned surfaces. <i>Soft Matter</i> , 2013, 9, 4160. | 1.2 | 29 |
| 18 | Nanofibrous Microposts and Microwells of Controlled Shapes and Their Hybridization with Hydrogels for Cell Encapsulation. <i>ACS Applied Materials & Interfaces</i> , 2014, 6, 7038-7044. | 4.0 | 28 |

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 19 | Exploring adipogenic differentiation of a single stem cell on poly(acrylic acid) and polystyrene micropatterns. <i>Soft Matter</i> , 2012, 8, 8429. | 1.2 | 22 |
| 20 | Fabrication of cell pattern on poly(dimethylsiloxane) by vacuum ultraviolet lithography. <i>Colloids and Surfaces B: Biointerfaces</i> , 2010, 76, 381-385. | 2.5 | 19 |
| 21 | Glycation of collagen matrices promotes breast tumor cell invasion. <i>Integrative Biology (United Tj ETQq1 1 0.784314 rgBT /Overlock</i> | 0.6 | 19 |
| 22 | A drip-crosslinked tough hydrogel. <i>Polymer</i> , 2018, 135, 327-330. | 1.8 | 16 |
| 23 | Drug-Eluting Conformal Coatings on Individual Cells. <i>Cellular and Molecular Bioengineering</i> , 2016, 9, 382-397. | 1.0 | 13 |
| 24 | Immobilization of proteins on metal ion chelated polymer surfaces. <i>Colloids and Surfaces B: Biointerfaces</i> , 2009, 69, 71-76. | 2.5 | 12 |
| 25 | Fabrication of Au hybrid protein chips and its application to SERS-based bioassay. <i>Vibrational Spectroscopy</i> , 2014, 70, 49-52. | 1.2 | 6 |
| 26 | Efficient generation of endothelial cells from human pluripotent stem cells and characterization of their functional properties. <i>Journal of Biomedical Materials Research - Part A</i> , 2016, 104, 678-687. | 2.1 | 5 |