

Yiwen Hu

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/5684431/publications.pdf>

Version: 2024-02-01

25
papers

2,901
citations

361413

20
h-index

580821

25
g-index

25
all docs

25
docs citations

25
times ranked

3994
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|--|------|-----------|
| 1 | Biomaterial-Related Cell Microenvironment in Tissue Engineering and Regenerative Medicine. <i>Engineering</i> , 2022, 13, 31-45. | 6.7 | 42 |
| 2 | Exploration of possible cell chirality using material techniques of surface patterning. <i>Acta Biomaterialia</i> , 2021, 126, 92-108. | 8.3 | 32 |
| 3 | Coordination Insertion Mechanism of ^{Ring-Opening} Polymerization of Lactide Catalyzed by Stannous Octoate. <i>Chinese Journal of Chemistry</i> , 2021, 39, 1965-1974. | 4.9 | 20 |
| 4 | Effects of Microstripe Geometry on Guided Cell Migration. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 27971-27983. | 8.0 | 40 |
| 5 | Critical Areas of Proliferation of Single Cells on Micropatterned Surfaces and Corresponding Cell Type Dependence. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 15366-15380. | 8.0 | 37 |
| 6 | Cell Type and Nuclear Size Dependence of the Nuclear Deformation of Cells on a Micropillar Array. <i>Langmuir</i> , 2019, 35, 7469-7477. | 3.5 | 20 |
| 7 | Left-Right Symmetry or Asymmetry of Cells on Stripe-Like Micropatterned Material Surfaces. <i>Chinese Journal of Chemistry</i> , 2018, 36, 605-611. | 4.9 | 13 |
| 8 | Strategy of Metal-Polymer Composite Stent To Accelerate Biodegradation of Iron-Based Biomaterials. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 182-192. | 8.0 | 100 |
| 9 | Nonmonotonic Self-Deformation of Cell Nuclei on Topological Surfaces with Micropillar Array. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 18521-18530. | 8.0 | 53 |
| 10 | Subcellular cell geometry on micropillars regulates stem cell differentiation. <i>Biomaterials</i> , 2016, 111, 27-39. | 11.4 | 88 |
| 11 | Interplay of Matrix Stiffness and Cell-Cell Contact in Regulating Differentiation of Stem Cells. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 21903-21913. | 8.0 | 111 |
| 12 | Matrix Stiffness and Nanoscale Spatial Organization of Cell-Adhesive Ligands Direct Stem Cell Fate. <i>Nano Letters</i> , 2015, 15, 4720-4729. | 9.1 | 275 |
| 13 | Effects of Nanoscale Spatial Arrangement of Arginine-Glycine-Aspartate Peptides on Dedifferentiation of Chondrocytes. <i>Nano Letters</i> , 2015, 15, 7755-7765. | 9.1 | 62 |
| 14 | Fabrication of RGD Micro/Nanopattern and Corresponding Study of Stem Cell Differentiation. <i>Nano Letters</i> , 2015, 15, 1457-1467. | 9.1 | 170 |
| 15 | Effects of cell-cell contact and oxygen tension on chondrogenic differentiation of stem cells. <i>Biomaterials</i> , 2015, 64, 21-32. | 11.4 | 71 |
| 16 | Physical modification of the interior surfaces of PLGA porous scaffolds using sugar fibers as template. <i>Journal of Biomaterials Science, Polymer Edition</i> , 2013, 24, 447-459. | 3.5 | 11 |
| 17 | Cell-Material Interactions Revealed Via Material Techniques of Surface Patterning. <i>Advanced Materials</i> , 2013, 25, 5257-5286. | 21.0 | 424 |
| 18 | Effects of surface molecular chirality on adhesion and differentiation of stem cells. <i>Biomaterials</i> , 2013, 34, 9001-9009. | 11.4 | 110 |

| # | ARTICLE | IF | CITATIONS |
|----|---|------|-----------|
| 19 | Effect of RGD nanospacing on differentiation of stem cells. <i>Biomaterials</i> , 2013, 34, 2865-2874. | 11.4 | 175 |
| 20 | Sugarâ€fiber Imprinting to Generate Microgrooves on Polymeric Film Surfaces for Contact Guidance of Cells. <i>Chinese Journal of Chemistry</i> , 2012, 30, 2292-2296. | 4.9 | 15 |
| 21 | Effect of cell anisotropy on differentiation of stem cells on micropatterned surfaces through the controlled single cell adhesion. <i>Biomaterials</i> , 2011, 32, 8048-8057. | 11.4 | 264 |
| 22 | Design and synthesis of a potent peptide containing both specific and non-specific cell-adhesion motifs. <i>Biomaterials</i> , 2010, 31, 4809-4817. | 11.4 | 75 |
| 23 | Effects of immobilizing sites of RGD peptides in amphiphilic block copolymers on efficacy of cell adhesion. <i>Biomaterials</i> , 2010, 31, 7873-7882. | 11.4 | 157 |
| 24 | Cell orientation on a stripe-micropatterned surface. <i>Science Bulletin</i> , 2009, 54, 3154-3159. | 1.7 | 35 |
| 25 | Impact of Order and Disorder in RGD Nanopatterns on Cell Adhesion. <i>Nano Letters</i> , 2009, 9, 1111-1116. | 9.1 | 501 |