

Paolo A Netti

List of Publications by Year in descending order

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432
papers

17,187
citations

15880

67
h-index

28425

109
g-index

441
all docs

441
docs citations

441
times ranked

23223
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 1 | Toxic effects of SiO ₂ NPs in early embryogenesis of <i>Xenopus laevis</i> . <i>Chemosphere</i> , 2022, 289, 133233. | 4.2 | 9 |
| 2 | Organ on Chip Technology to Model Cancer Growth and Metastasis. <i>Bioengineering</i> , 2022, 9, 28. | 1.6 | 22 |
| 3 | PEG-based cleavable hydrogel microparticles with controlled porosity for permiselective trafficking of biomolecular complexes in biosensing applications. <i>Journal of Materials Chemistry B</i> , 2022, 10, 1980-1990. | 2.9 | 5 |
| 4 | ECM Mechanoregulation in Malignant Pleural Mesothelioma. <i>Frontiers in Bioengineering and Biotechnology</i> , 2022, 10, 797900. | 2.0 | 5 |
| 5 | Biocompatible, photo-responsive layer-by-layer polymer nanocapsules with an oil core: <i>in vitro</i> and <i>in vivo</i> study. <i>Journal of the Royal Society Interface</i> , 2022, 19, 20210800. | 1.5 | 6 |
| 6 | coupled Hydrodynamic Flow Focusing (cHFF) to Engineer Lipid-Polymer Nanoparticles (LiPoNs) for Multimodal Imaging and Theranostic Applications. <i>Biomedicines</i> , 2022, 10, 438. | 1.4 | 10 |
| 7 | Engineered Bacterial Cellulose Nanostructured Matrix for Incubation and Release of Drug-Loaded Oil in Water Nanoemulsion. <i>Frontiers in Bioengineering and Biotechnology</i> , 2022, 10, 851893. | 2.0 | 9 |
| 8 | Wide-range viscoelastic compression forces in microfluidics to probe cell-dependent nuclear structural and mechanobiological responses. <i>Journal of the Royal Society Interface</i> , 2022, 19, 20210880. | 1.5 | 7 |
| 9 | Immunoresponsive microbiota-gut-on-chip reproduces barrier dysfunction, stromal reshaping and probiotics translocation under inflammation. <i>Biomaterials</i> , 2022, 286, 121573. | 5.7 | 19 |
| 10 | Bioengineered Wound Healing Skin Models: The Role of Immune Response and Endogenous ECM to Fully Replicate the Dynamic of Scar Tissue Formation In Vitro. <i>Bioengineering</i> , 2022, 9, 233. | 1.6 | 7 |
| 11 | Computer-aided patterning of PCL microspheres to build modular scaffolds featuring improved strength and neovascularized tissue integration. <i>Biofabrication</i> , 2022, 14, 045002. | 3.7 | 4 |
| 12 | Building a Tissue In Vitro from the Bottom Up: Implications in Regenerative Medicine. <i>Methodist DeBakey Cardiovascular Journal</i> , 2021, 9, 213. | 0.5 | 32 |
| 13 | Effects of surface nanopatterning on internalization and amyloid aggregation of the fragment 264-277 of Nucleophosmin 1. <i>Colloids and Surfaces B: Biointerfaces</i> , 2021, 197, 111439. | 2.5 | 15 |
| 14 | Design of biodegradable bi-compartmental microneedles for the stabilization and the controlled release of the labile molecule collagenase for skin healthcare. <i>Journal of Materials Chemistry B</i> , 2021, 9, 392-403. | 2.9 | 24 |
| 15 | A theoretical and experimental study on l-tyrosine and citrate mediated sustainable production of near infrared absorbing twisted gold nanorods. <i>Materials Science and Engineering C</i> , 2021, 118, 111515. | 3.8 | 15 |
| 16 | Theranostic Design of Angiopep-2 Conjugated Hyaluronic Acid Nanoparticles (Thera-ANG-cHANPs) for Dual Targeting and Boosted Imaging of Glioma Cells. <i>Cancers</i> , 2021, 13, 503. | 1.7 | 29 |
| 17 | Role of the cell-material interface on collective cell behavior. , 2021, , 113-141. | | 0 |
| 18 | Non-invasive and label-free identification of human natural killer cell subclasses by biophysical single-cell features in microfluidic flow. <i>Lab on A Chip</i> , 2021, 21, 4144-4154. | 3.1 | 8 |

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 19 | Experimental and Theoretical Studies on Sustainable Synthesis of Gold Sol Displaying Dichroic Effect. <i>Nanomaterials</i> , 2021, 11, 236. | 1.9 | 16 |
| 20 | Principles of design and engineering of cell instructive surfaces. , 2021, , 143-170. | | 0 |
| 21 | The dynamics of the cell-material interface. , 2021, , 43-64. | | 0 |
| 22 | Active targeting of cancer cells by CD44 binding peptide-functionalized oil core-based nanocapsules. <i>RSC Advances</i> , 2021, 11, 24487-24499. | 1.7 | 3 |
| 23 | Material cytoskeleton crosstalk. , 2021, , 65-112. | | 0 |
| 24 | Bioinspired Design of Novel Microscaffolds for Fibroblast Guidance toward <i>In Vitro</i> Tissue Building. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 9589-9603. | 4.0 | 11 |
| 25 | Electroanalytical Sensor Based on Gold-Nanoparticle-Decorated Paper for Sensitive Detection of Copper Ions in Sweat and Serum. <i>Analytical Chemistry</i> , 2021, 93, 5225-5233. | 3.2 | 62 |
| 26 | Morphological and Rheological Guided Design for the Microencapsulation Process of <i>Lactobacillus paracasei</i> CBA L74 in Calcium Alginate Microspheres. <i>Frontiers in Bioengineering and Biotechnology</i> , 2021, 9, 660691. | 2.0 | 8 |
| 27 | Easy Surface Functionalization and Bioconjugation of Peptides as Capture Agents of a Microfluidic Biosensing Platform for Multiplex Assay in Serum. <i>Bioconjugate Chemistry</i> , 2021, 32, 1593-1601. | 1.8 | 7 |
| 28 | Open Porous Composite Monoliths for Biomedical Applications via Photocrosslinking of Low Internal Phase Nano-Emulsion Templates. <i>Applied Sciences (Switzerland)</i> , 2021, 11, 5338. | 1.3 | 0 |
| 29 | Review on Computer-Aided Design and Manufacturing of Drug Delivery Scaffolds for Cell Guidance and Tissue Regeneration. <i>Frontiers in Bioengineering and Biotechnology</i> , 2021, 9, 682133. | 2.0 | 15 |
| 30 | Cell Membrane-Coated Oil in Water Nano-Emulsions as Biomimetic Nanocarriers for Lipophilic Compounds Conveyance. <i>Pharmaceutics</i> , 2021, 13, 1069. | 2.0 | 8 |
| 31 | Prolonged activity of a recombinant manganese superoxide dismutase through a formulation of polymeric multi-layer nanoassemblies targeting cancer cells. <i>European Journal of Pharmaceutical Sciences</i> , 2021, 162, 105825. | 1.9 | 2 |
| 32 | Stimuli-responsive transdermal microneedle patches. <i>Materials Today</i> , 2021, 47, 206-222. | 8.3 | 129 |
| 33 | Small Oligonucleotides Detection in Three-Dimensional Polymer Network of DNA-PEG Hydrogels. <i>Gels</i> , 2021, 7, 90. | 2.1 | 5 |
| 34 | Cytoskeleton Response to Ionizing Radiation: A Brief Review on Adhesion and Migration Effects. <i>Biomedicines</i> , 2021, 9, 1102. | 1.4 | 10 |
| 35 | Conformational consequences of NPM1 rare mutations: An aggregation perspective in Acute Myeloid Leukemia. <i>Bioorganic Chemistry</i> , 2021, 113, 104997. | 2.0 | 9 |
| 36 | A High Throughput Approach Based on Dynamic High Pressure for the Encapsulation of Active Compounds in Exosomes for Precision Medicine. <i>International Journal of Molecular Sciences</i> , 2021, 22, 9896. | 1.8 | 6 |

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 37 | Self-assembly of bio-inspired heterochiral peptides. <i>Bioorganic Chemistry</i> , 2021, 114, 105047. | 2.0 | 11 |
| 38 | Geometrical confinement controls cell, ECM and vascular network alignment during the morphogenesis of 3D bioengineered human connective tissues. <i>Acta Biomaterialia</i> , 2021, 131, 341-354. | 4.1 | 10 |
| 39 | Type F mutation of nucleophosmin 1 Acute Myeloid Leukemia: A tale of disorder and aggregation. <i>International Journal of Biological Macromolecules</i> , 2021, 188, 207-214. | 3.6 | 8 |
| 40 | Dynamic cell instructive platforms. , 2021, , 171-217. | | 1 |
| 41 | Key determinants of cell-material interactions. , 2021, , 5-41. | | 0 |
| 42 | New Trends in Precision Medicine: A Pilot Study of Pure Light Scattering Analysis as a Useful Tool for Non-Small Cell Lung Cancer (NSCLC) Diagnosis. <i>Journal of Personalized Medicine</i> , 2021, 11, 1023. | 1.1 | 4 |
| 43 | Tuning of Hydrogel Architectures by Ionotropic Gelation in Microfluidics: Beyond Batch Processing to Multimodal Diagnostics. <i>Biomedicines</i> , 2021, 9, 1551. | 1.4 | 4 |
| 44 | Biophysical analysis of in-flow deformed lymphocytes by static light scattering. , 2021, , . | | 0 |
| 45 | Hydrogel Microparticles for Fluorescence Detection of miRNA in Mix-Read Bioassay. <i>Sensors</i> , 2021, 21, 7671. | 2.1 | 3 |
| 46 | Intestine-on-a-chip device increases ECM remodeling inducing faster epithelial cell differentiation. <i>Biotechnology and Bioengineering</i> , 2020, 117, 556-566. | 1.7 | 32 |
| 47 | Radiolabeled PET/MRI Nanoparticles for Tumor Imaging. <i>Journal of Clinical Medicine</i> , 2020, 9, 89. | 1.0 | 58 |
| 48 | Decellularized matrices for tumor cell modeling. <i>Methods in Cell Biology</i> , 2020, 157, 169-183. | 0.5 | 3 |
| 49 | Dynamic Manipulation of Cell Membrane Curvature by Light-Driven Reshaping of Azopolymer. <i>Nano Letters</i> , 2020, 20, 577-584. | 4.5 | 29 |
| 50 | Tuning the three-dimensional architecture of supercritical CO2 foamed PCL scaffolds by a novel mould patterning approach. <i>Materials Science and Engineering C</i> , 2020, 109, 110518. | 3.8 | 18 |
| 51 | Recent advances in the formulation of PLGA microparticles for controlled drug delivery. <i>Progress in Biomaterials</i> , 2020, 9, 153-174. | 1.8 | 119 |
| 52 | Proteostasis unbalance of nucleophosmin 1 in Acute Myeloid Leukemia: An aggregomic perspective. <i>International Journal of Biological Macromolecules</i> , 2020, 164, 3501-3507. | 3.6 | 20 |
| 53 | New Strategies in the Design of Paramagnetic CAs. <i>Contrast Media and Molecular Imaging</i> , 2020, 2020, 1-10. | 0.4 | 12 |
| 54 | Modeling the epithelial-mesenchymal transition process in a 3D organotypic cervical neoplasia. <i>Acta Biomaterialia</i> , 2020, 116, 209-222. | 4.1 | 11 |

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|----|---|-----|-----------|
| 55 | Exosomes in Gliomas: Biogenesis, Isolation, and Preliminary Applications in Nanomedicine. <i>Pharmaceuticals</i> , 2020, 13, 319. | 1.7 | 20 |
| 56 | Engineered Microneedle Patches for Controlled Release of Active Compounds: Recent Advances in Release Profile Tuning. <i>Advanced Therapeutics</i> , 2020, 3, 2000171. | 1.6 | 52 |
| 57 | <p>Nano-Encapsulation of Coenzyme Q10 in Secondary and Tertiary Nano-Emulsions for Enhanced Cardioprotection and Hepatoprotection in Human Cardiomyocytes and Hepatocytes During Exposure to Anthracyclines and Trastuzumab</p>. <i>International Journal of Nanomedicine</i> , 2020, Volume 15, 4859-4876. | 3.3 | 21 |
| 58 | Dynamic azopolymeric interfaces for photoactive cell instruction. <i>Biophysics Reviews</i> , 2020, 1, . | 1.0 | 10 |
| 59 | The effects of exterior boundary conditions on a internally heated tumor tissue with a thermoporoelastic model. <i>Journal of Biomechanics</i> , 2020, 113, 110122. | 0.9 | 2 |
| 60 | Engineered PLGA-PVP/VA based formulations to produce electro-drawn fastÁbiodegradable microneedles for labile biomolecule delivery. <i>Progress in Biomaterials</i> , 2020, 9, 203-217. | 1.8 | 26 |
| 61 | Azobenzene-based sinusoidal surface topography drives focal adhesion confinement and guides collective migration of epithelial cells. <i>Scientific Reports</i> , 2020, 10, 15329. | 1.6 | 30 |
| 62 | Experimental Studies and Modeling of the Degradation Process of Poly(Lactic-co-Glycolic Acid) Microspheres for Sustained Protein Release. <i>Polymers</i> , 2020, 12, 2042. | 2.0 | 14 |
| 63 | Effects of pulsating heat source on interstitial fluid transport in tumour tissues. <i>Journal of the Royal Society Interface</i> , 2020, 17, 20200612. | 1.5 | 12 |
| 64 | Mechanical phenotyping of breast cell lines by in-flow deformation-dependent dynamics under tuneable compressive forces. <i>Lab on A Chip</i> , 2020, 20, 4611-4622. | 3.1 | 14 |
| 65 | In Vitro Organotypic Systems to Model Tumor Microenvironment in Human Papillomavirus (HPV)-Related Cancers. <i>Cancers</i> , 2020, 12, 1150. | 1.7 | 15 |
| 66 | Photoactive Interfaces for SpatioÁTemporal Guidance of Mesenchymal Stem Cell Fate. <i>Advanced Healthcare Materials</i> , 2020, 9, e2000470. | 3.9 | 16 |
| 67 | Adhesion and Migration Response to Radiation Therapy of Mammary Epithelial and Adenocarcinoma Cells Interacting with Different Stiffness Substrates. <i>Cancers</i> , 2020, 12, 1170. | 1.7 | 17 |
| 68 | Recombinant Filamentous Bacteriophages Encapsulated in Biodegradable Polymeric Microparticles for Stimulation of Innate and Adaptive Immune Responses. <i>Microorganisms</i> , 2020, 8, 650. | 1.6 | 32 |
| 69 | Intrinsic Abnormalities of Cystic Fibrosis Airway Connective Tissue Revealed by an In Vitro 3D Stromal Model. <i>Cells</i> , 2020, 9, 1371. | 1.8 | 7 |
| 70 | Topographic Cues Impact on Embryonic Stem Cell Zscan4-Metastate. <i>Frontiers in Bioengineering and Biotechnology</i> , 2020, 8, 178. | 2.0 | 7 |
| 71 | Progress in Microneedle-Mediated Protein Delivery. <i>Journal of Clinical Medicine</i> , 2020, 9, 542. | 1.0 | 81 |
| 72 | Engineered Î²-hairpin scaffolds from human prion protein regions: Structural and functional investigations of aggregates. <i>Bioorganic Chemistry</i> , 2020, 96, 103594. | 2.0 | 10 |

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|----|---|-----|-----------|
| 73 | Tunable Release of Curcumin with an In Silico-Supported Approach from Mixtures of Highly Porous PLGA Microparticles. <i>Materials</i> , 2020, 13, 1807. | 1.3 | 24 |
| 74 | A Microfluidic Platform to design Multimodal PEG - crosslinked Hyaluronic Acid Nanoparticles (PEG-cHANPs) for diagnostic applications. <i>Scientific Reports</i> , 2020, 10, 6028. | 1.6 | 18 |
| 75 | Intestine-Liver Axis On-Chip Reveals the Intestinal Protective Role on Hepatic Damage by Emulating Ethanol First-Pass Metabolism. <i>Frontiers in Bioengineering and Biotechnology</i> , 2020, 8, 163. | 2.0 | 31 |
| 76 | Photonic applications of azobenzene molecules embedded in amorphous polymer. <i>Rivista Del Nuovo Cimento</i> , 2020, 43, 599-629. | 2.0 | 25 |
| 77 | Nanoscaffolds for neural regenerative medicine. , 2020, , 47-88. | | 4 |
| 78 | Investigation of Biophysical Migration Parameters for Normal Tissue and Metastatic Cancer Cells After Radiotherapy Treatment. <i>Frontiers in Physics</i> , 2020, 8, . | 1.0 | 2 |
| 79 | Comparative spallation performance of silicone versus Tygon extracorporeal circulation tubing. <i>Interactive Cardiovascular and Thoracic Surgery</i> , 2019, 29, 685-692. | 0.5 | 6 |
| 80 | Aligned fibrous decellularized cell derived matrices for mesenchymal stem cell amplification. <i>Journal of Biomedical Materials Research - Part A</i> , 2019, 107, 2536-2546. | 2.1 | 21 |
| 81 | Effect of peristaltic-like movement on bioengineered intestinal tube. <i>Materials Today Bio</i> , 2019, 4, 100027. | 2.6 | 4 |
| 82 | Modular Strategies to Build Cell-Free and Cell-Laden Scaffolds towards Bioengineered Tissues and Organs. <i>Journal of Clinical Medicine</i> , 2019, 8, 1816. | 1.0 | 26 |
| 83 | HYPO- AND HYPERTHERMIA EFFECTS ON MACROSCOPIC FLUID TRANSPORT IN TUMORS. <i>Computational Thermal Sciences</i> , 2019, 11, 119-130. | 0.5 | 0 |
| 84 | Cell mechanosensing is regulated by substrate strain energy rather than stiffness. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019, 116, 22004-22013. | 3.3 | 60 |
| 85 | A BIOPHYSICAL ANALYSIS TO ASSESS X-RAY SENSITIVITY OF HEALTHY AND TUMOUR CELLS. <i>Radiation Protection Dosimetry</i> , 2019, 183, 116-120. | 0.4 | 3 |
| 86 | Structural insights into amyloid structures of the C-terminal region of nucleophosmin 1 in type A mutation of acute myeloid leukemia. <i>Biochimica Et Biophysica Acta - Proteins and Proteomics</i> , 2019, 1867, 637-644. | 1.1 | 38 |
| 87 | One-step scalable fluorescent microgel bioassay for the ultrasensitive detection of endogenous viral miR-US4-5p. <i>Analyst</i> , The, 2019, 144, 1369-1378. | 1.7 | 7 |
| 88 | Quick liquid packaging: Encasing water silhouettes by three-dimensional polymer membranes. <i>Science Advances</i> , 2019, 5, eaat5189. | 4.7 | 14 |
| 89 | Effect of crosslinking agent to design nanostructured hyaluronic acid-based hydrogels with improved relaxometric properties. <i>Carbohydrate Polymers</i> , 2019, 222, 114991. | 5.1 | 11 |
| 90 | A thermoporoelastic model for fluid transport in tumour tissues. <i>Journal of the Royal Society Interface</i> , 2019, 16, 20190030. | 1.5 | 18 |

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|-----|---|-----|-----------|
| 91 | Supramolecular Microgels with Molecular Beacons at the Interface for Ultrasensitive, Amplification-Free, and SNP-Selective miRNA Fluorescence Detection. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 17147-17156. | 4.0 | 26 |
| 92 | Silk-ELR co-recombinamer covered stents obtained by electrospinning. <i>International Journal of Energy Production and Management</i> , 2019, 6, 21-28. | 1.9 | 11 |
| 93 | Matrix metalloproteinase-cleavable nanocapsules for tumor-activated drug release. <i>Acta Biomaterialia</i> , 2019, 89, 265-278. | 4.1 | 24 |
| 94 | Irreversible photo-Fenton-like triggered agglomeration of ultra-small gold nanoparticles capped with crosslinkable materials. <i>Nanoscale Advances</i> , 2019, 1, 2146-2150. | 2.2 | 7 |
| 95 | Water-Mediated Nanostructures for Enhanced MRI: Impact of Water Dynamics on Relaxometric Properties of Gd-DTPA. <i>Theranostics</i> , 2019, 9, 1809-1824. | 4.6 | 21 |
| 96 | Induced Pluripotent Stem Cells as Vasculature Forming Entities. <i>Journal of Clinical Medicine</i> , 2019, 8, 1782. | 1.0 | 11 |
| 97 | CD4+versusCD8+ T-lymphocyte identification in an integrated microfluidic chip using light scattering and machine learning. <i>Lab on A Chip</i> , 2019, 19, 3888-3898. | 3.1 | 17 |
| 98 | Non-invasive Production of Multi-Compartmental Biodegradable Polymer Microneedles for Controlled Intradermal Drug Release of Labile Molecules. <i>Frontiers in Bioengineering and Biotechnology</i> , 2019, 7, 296. | 2.0 | 68 |
| 99 | Bioengineered Skin Substitutes: The Role of Extracellular Matrix and Vascularization in the Healing of Deep Wounds. <i>Journal of Clinical Medicine</i> , 2019, 8, 2083. | 1.0 | 62 |
| 100 | Pre-vascularized dermis model for fast and functional anastomosis with host vasculature. <i>Biomaterials</i> , 2019, 192, 159-170. | 5.7 | 43 |
| 101 | Oil Core“PEG Shell Nanocarriers for In Vivo MRI Imaging. <i>Advanced Healthcare Materials</i> , 2019, 8, e1801313. | 3.9 | 16 |
| 102 | A three-dimensional microfluidized liver system to assess hepatic drug metabolism and hepatotoxicity. <i>Biotechnology and Bioengineering</i> , 2019, 116, 1152-1163. | 1.7 | 25 |
| 103 | Advanced label-free cellular identification in flow by collaborative coherent imaging techniques. , 2019, , . | | 0 |
| 104 | Azobenzene-based polymers: emerging applications as cell culture platforms. <i>Biomaterials Science</i> , 2018, 6, 990-995. | 2.6 | 46 |
| 105 | The level of 24-hydroxycholesteryl esters decreases in plasma of patients with Parkinson“™s disease. <i>Neuroscience Letters</i> , 2018, 672, 108-112. | 1.0 | 22 |
| 106 | Recapitulating spatiotemporal tumor heterogeneity in vitro through engineered breast cancer microtissues. <i>Acta Biomaterialia</i> , 2018, 73, 236-249. | 4.1 | 39 |
| 107 | In vitro study of intestinal epithelial interaction with engineered oil in water nanoemulsions conveying curcumin. <i>Colloids and Surfaces B: Biointerfaces</i> , 2018, 164, 232-239. | 2.5 | 13 |
| 108 | Turn-on fluorescence detection of protein by molecularly imprinted hydrogels based on supramolecular assembly of peptide multi-functional blocks. <i>Journal of Materials Chemistry B</i> , 2018, 6, 1207-1215. | 2.9 | 31 |

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|-----|--|-----|-----------|
| 109 | Novel process to prepare magnetic metal-ceramic nanocomposites from zeolite precursor and their use as adsorbent of agrochemicals from water. <i>Journal of Environmental Chemical Engineering</i> , 2018, 6, 527-538. | 3.3 | 22 |
| 110 | Three-Dimensional Microstructured Azobenzene-Containing Gelatin as a Photoactuable Cell Confining System. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 91-97. | 4.0 | 36 |
| 111 | 3D stromal tissue equivalent affects intestinal epithelium morphogenesis in vitro. <i>Biotechnology and Bioengineering</i> , 2018, 115, 1062-1075. | 1.7 | 17 |
| 112 | On the influence of surface patterning on tissue self-assembly and mechanics. <i>Journal of Tissue Engineering and Regenerative Medicine</i> , 2018, 12, 1621-1633. | 1.3 | 13 |
| 113 | Nanotechnologies for tissue engineering and regeneration. , 2018, , 93-206. | | 12 |
| 114 | A straightforward method to produce decellularized dermis-based matrices for tumour cell cultures. <i>Journal of Tissue Engineering and Regenerative Medicine</i> , 2018, 12, e71-e81. | 1.3 | 8 |
| 115 | Confinement of a polymer chain: An entropic study by Monte Carlo method. <i>AIChE Journal</i> , 2018, 64, 416-426. | 1.8 | 4 |
| 116 | Electro-drawn polymer microneedle arrays with controlled shape and dimension. <i>Sensors and Actuators B: Chemical</i> , 2018, 255, 1553-1560. | 4.0 | 34 |
| 117 | A functional connection between dyskerin and energy metabolism. <i>Redox Biology</i> , 2018, 14, 557-565. | 3.9 | 12 |
| 118 | Spatio-Temporal Control of Cell Adhesion: Toward Programmable Platforms to Manipulate Cell Functions and Fate. <i>Frontiers in Bioengineering and Biotechnology</i> , 2018, 6, 190. | 2.0 | 37 |
| 119 | Diffusion limited green synthesis of ultra-small gold nanoparticles at room temperature. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2018, 558, 548-557. | 2.3 | 30 |
| 120 | Micro-patterned endogenous stroma equivalent induces polarized crypt-villus architecture of human small intestinal epithelium. <i>Acta Biomaterialia</i> , 2018, 81, 43-59. | 4.1 | 27 |
| 121 | Cardioprotective Effects of Nanoemulsions Loaded with Anti-Inflammatory Nutraceuticals against Doxorubicin-Induced Cardiotoxicity. <i>Nutrients</i> , 2018, 10, 1304. | 1.7 | 62 |
| 122 | Regulating Fibroblast Shape and Mechanics through Photoresponsive Surfaces with Concentric Circular Topographic Patterns. <i>Advanced Materials Interfaces</i> , 2018, 5, 1800890. | 1.9 | 12 |
| 123 | Engineering a human skin equivalent to study dermis remodelling and epidermis senescence in vitro after UVA exposure. <i>Journal of Tissue Engineering and Regenerative Medicine</i> , 2018, 12, 1658-1669. | 1.3 | 20 |
| 124 | Molecularly endowed hydrogel with an <i>in silico</i> -assisted screened peptide for highly sensitive small molecule harvesting. <i>Chemical Communications</i> , 2018, 54, 10088-10091. | 2.2 | 18 |
| 125 | Design, Synthesis and Characterization of Novel Co-Polymers Decorated with Peptides for the Selective Nanoparticle Transport across the Cerebral Endothelium. <i>Molecules</i> , 2018, 23, 1655. | 1.7 | 18 |
| 126 | 3D breast cancer microtissue reveals the role of tumor microenvironment on the transport and efficacy of free-doxorubicin in vitro. <i>Acta Biomaterialia</i> , 2018, 75, 200-212. | 4.1 | 63 |

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|-----|--|-----|-----------|
| 127 | Controlling the orientation of a cell-synthesized extracellular matrix by using engineered gelatin-based building blocks. <i>Biomaterials Science</i> , 2018, 6, 2084-2091. | 2.6 | 16 |
| 128 | Multimodal imaging for a theranostic approach in a murine model of B-cell lymphoma with engineered nanoparticles. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , 2018, 14, 483-491. | 1.7 | 11 |
| 129 | Biophysical investigation of living monocytes in flow by collaborative coherent imaging techniques. <i>Biomedical Optics Express</i> , 2018, 9, 5194. | 1.5 | 20 |
| 130 | PCL-HA microscaffolds for <i>in vitro</i> modular bone tissue engineering. <i>Journal of Tissue Engineering and Regenerative Medicine</i> , 2017, 11, 1865-1875. | 1.3 | 21 |
| 131 | A novel engineered dermis for <i>in vitro</i> photodamage research. <i>Journal of Tissue Engineering and Regenerative Medicine</i> , 2017, 11, 2276-2285. | 1.3 | 13 |
| 132 | Fabrication of a modular hybrid chip to mimic endothelial-lined microvessels in flow conditions. <i>Journal of Micromechanics and Microengineering</i> , 2017, 27, 035014. | 1.5 | 9 |
| 133 | Spatiotemporal Evolution of the Wound Repairing Process in a 3D Human Dermis Equivalent. <i>Advanced Healthcare Materials</i> , 2017, 6, 1601422. | 3.9 | 14 |
| 134 | Self-assembly of gold nanowire networks into gold foams: production, ultrastructure and applications. <i>Inorganic Chemistry Frontiers</i> , 2017, 4, 1033-1041. | 3.0 | 31 |
| 135 | Mechanosensing of substrate stiffness regulates focal adhesions dynamics in cell. <i>Meccanica</i> , 2017, 52, 3389-3398. | 1.2 | 18 |
| 136 | Mechanical phenotyping of cells and extracellular matrix as grade and stage markers of lung tumor tissues. <i>Acta Biomaterialia</i> , 2017, 57, 334-341. | 4.1 | 30 |
| 137 | 3D tumor microtissues as an <i>in vitro</i> testing platform for microenvironmentally-triggered drug delivery systems. <i>Acta Biomaterialia</i> , 2017, 57, 47-58. | 4.1 | 32 |
| 138 | Light-responsive polymer brushes: active topographic cues for cell culture applications. <i>Polymer Chemistry</i> , 2017, 8, 3271-3278. | 1.9 | 29 |
| 139 | Shuttle-mediated nanoparticle transport across an <i>in vitro</i> brain endothelium under flow conditions. <i>Biotechnology and Bioengineering</i> , 2017, 114, 1087-1095. | 1.7 | 51 |
| 140 | ECM Mechano-Sensing Regulates Cytoskeleton Assembly and Receptor-Mediated Endocytosis of Nanoparticles. <i>ACS Biomaterials Science and Engineering</i> , 2017, 3, 1586-1594. | 2.6 | 19 |
| 141 | Effects of high energy X-rays on cell morphology and functions. , 2017, , . | | 1 |
| 142 | An Engineered Cell-Instructive Stroma for the Fabrication of a Novel Full Thickness Human Cervix Equivalent <i>In Vitro</i> . <i>Advanced Healthcare Materials</i> , 2017, 6, 1601199. | 3.9 | 24 |
| 143 | Hybrid Core-Shell (HyCoS) Nanoparticles produced by Complex Coacervation for Multimodal Applications. <i>Scientific Reports</i> , 2017, 7, 45121. | 1.6 | 26 |
| 144 | Preparation and Characterization of Magnetic and Porous Metal-Ceramic Nanocomposites from a Zeolite Precursor and Their Application for DNA Separation. <i>Journal of Biomedical Nanotechnology</i> , 2017, 13, 337-348. | 0.5 | 24 |

| # | ARTICLE | IF | CITATIONS |
|-----|--|-----|-----------|
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