

# Paolo A Netti

## List of Publications by Year in descending order

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432  
papers

17,187  
citations

13865

67  
h-index

24982

109  
g-index

441  
all docs

441  
docs citations

441  
times ranked

20609  
citing authors

#	ARTICLE	IF	CITATIONS
1	Toxic effects of SiO <sub>2</sub> NPs in early embryogenesis of <i>Xenopus laevis</i> . <i>Chemosphere</i> , 2022, 289, 133233.	8.2	9
2	Organ on Chip Technology to Model Cancer Growth and Metastasis. <i>Bioengineering</i> , 2022, 9, 28.	3.5	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.	5.8	5
4	ECM Mechanoregulation in Malignant Pleural Mesothelioma. <i>Frontiers in Bioengineering and Biotechnology</i> , 2022, 10, 797900.	4.1	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.	3.4	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.	3.2	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.	4.1	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.	3.4	7
9	Immunoresponsive microbiota-gut-on-chip reproduces barrier dysfunction, stromal reshaping and probiotics translocation under inflammation. <i>Biomaterials</i> , 2022, 286, 121573.	11.4	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.	3.5	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.	7.1	4
12	Building a Tissue In Vitro from the Bottom Up: Implications in Regenerative Medicine. <i>Methodist DeBakey Cardiovascular Journal</i> , 2021, 9, 213.	1.0	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.	5.0	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.	5.8	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.	7.3	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.	3.7	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.	6.0	8

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19	Experimental and Theoretical Studies on Sustainable Synthesis of Gold Sol Displaying Dichroic Effect. <i>Nanomaterials</i> , 2021, 11, 236.	4.1	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.	3.6	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 &amp; Interfaces</i> , 2021, 13, 9589-9603.	8.0	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.	6.5	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.	4.1	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.	3.6	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.	2.5	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.	4.1	15
30	Cell Membrane-Coated Oil in Water Nano-Emulsions as Biomimetic Nanocarriers for Lipophilic Compounds Conveyance. <i>Pharmaceutics</i> , 2021, 13, 1069.	4.5	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.	4.0	2
32	Stimuli-responsive transdermal microneedle patches. <i>Materials Today</i> , 2021, 47, 206-222.	14.2	129
33	Small Oligonucleotides Detection in Three-Dimensional Polymer Network of DNA-PEG Hydrogels. <i>Gels</i> , 2021, 7, 90.	4.5	5
34	Cytoskeleton Response to Ionizing Radiation: A Brief Review on Adhesion and Migration Effects. <i>Biomedicines</i> , 2021, 9, 1102.	3.2	10
35	Conformational consequences of NPM1 rare mutations: An aggregation perspective in Acute Myeloid Leukemia. <i>Bioorganic Chemistry</i> , 2021, 113, 104997.	4.1	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.	4.1	6

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37	Self-assembly of bio-inspired heterochiral peptides. <i>Bioorganic Chemistry</i> , 2021, 114, 105047.	4.1	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.	8.3	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.	7.5	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.	2.5	4
43	Tuning of Hydrogel Architectures by Ionotropic Gelation in Microfluidics: Beyond Batch Processing to Multimodal Diagnostics. <i>Biomedicines</i> , 2021, 9, 1551.	3.2	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.	3.8	3
46	Intestine-on-a-chip device increases ECM remodeling inducing faster epithelial cell differentiation. <i>Biotechnology and Bioengineering</i> , 2020, 117, 556-566.	3.3	32
47	Radiolabeled PET/MRI Nanoparticles for Tumor Imaging. <i>Journal of Clinical Medicine</i> , 2020, 9, 89.	2.4	58
48	Decellularized matrices for tumor cell modeling. <i>Methods in Cell Biology</i> , 2020, 157, 169-183.	1.1	3
49	Dynamic Manipulation of Cell Membrane Curvature by Light-Driven Reshaping of Azopolymer. <i>Nano Letters</i> , 2020, 20, 577-584.	9.1	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.	7.3	18
51	Recent advances in the formulation of PLGA microparticles for controlled drug delivery. <i>Progress in Biomaterials</i> , 2020, 9, 153-174.	4.5	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.	7.5	20
53	New Strategies in the Design of Paramagnetic CAs. <i>Contrast Media and Molecular Imaging</i> , 2020, 2020, 1-10.	0.8	12
54	Modeling the epithelial-mesenchymal transition process in a 3D organotypic cervical neoplasia. <i>Acta Biomaterialia</i> , 2020, 116, 209-222.	8.3	11

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55	Exosomes in Gliomas: Biogenesis, Isolation, and Preliminary Applications in Nanomedicine. <i>Pharmaceuticals</i> , 2020, 13, 319.	3.8	20
56	Engineered Microneedle Patches for Controlled Release of Active Compounds: Recent Advances in Release Profile Tuning. <i>Advanced Therapeutics</i> , 2020, 3, 2000171.	3.2	52
57	&lt;p&gt;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&lt;/p&gt;. <i>International Journal of Nanomedicine</i> , 2020, Volume 15, 4859-4876.	6.7	21
58	Dynamic azopolymeric interfaces for photoactive cell instruction. <i>Biophysics Reviews</i> , 2020, 1, .	2.7	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.	2.1	2
60	Engineered PLGA-PVP/VA based formulations to produce electro-drawn fast&Aacute;biodegradable microneedles for labile biomolecule delivery. <i>Progress in Biomaterials</i> , 2020, 9, 203-217.	4.5	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.	3.3	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.	4.5	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.	3.4	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.	6.0	14
65	In Vitro Organotypic Systems to Model Tumor Microenvironment in Human Papillomavirus (HPV)-Related Cancers. <i>Cancers</i> , 2020, 12, 1150.	3.7	15
66	Photoactive Interfaces for Spatio&Aacute;Temporal Guidance of Mesenchymal Stem Cell Fate. <i>Advanced Healthcare Materials</i> , 2020, 9, e2000470.	7.6	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.	3.7	17
68	Recombinant Filamentous Bacteriophages Encapsulated in Biodegradable Polymeric Microparticles for Stimulation of Innate and Adaptive Immune Responses. <i>Microorganisms</i> , 2020, 8, 650.	3.6	32
69	Intrinsic Abnormalities of Cystic Fibrosis Airway Connective Tissue Revealed by an In Vitro 3D Stromal Model. <i>Cells</i> , 2020, 9, 1371.	4.1	7
70	Topographic Cues Impact on Embryonic Stem Cell Zscan4-Metastate. <i>Frontiers in Bioengineering and Biotechnology</i> , 2020, 8, 178.	4.1	7
71	Progress in Microneedle-Mediated Protein Delivery. <i>Journal of Clinical Medicine</i> , 2020, 9, 542.	2.4	81
72	Engineered Î²-hairpin scaffolds from human prion protein regions: Structural and functional investigations of aggregates. <i>Bioorganic Chemistry</i> , 2020, 96, 103594.	4.1	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.	2.9	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.	3.3	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.	4.1	31
76	Photonic applications of azobenzene molecules embedded in amorphous polymer. <i>Rivista Del Nuovo Cimento</i> , 2020, 43, 599-629.	5.7	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, .	2.1	2
79	Comparative spallation performance of silicone versus Tygon extracorporeal circulation tubing. <i>Interactive Cardiovascular and Thoracic Surgery</i> , 2019, 29, 685-692.	1.1	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.	4.0	21
81	Effect of peristaltic-like movement on bioengineered intestinal tube. <i>Materials Today Bio</i> , 2019, 4, 100027.	5.5	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.	2.4	26
83	HYPO- AND HYPERTHERMIA EFFECTS ON MACROSCOPIC FLUID TRANSPORT IN TUMORS. <i>Computational Thermal Sciences</i> , 2019, 11, 119-130.	0.9	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.	7.1	60
85	A BIOPHYSICAL ANALYSIS TO ASSESS X-RAY SENSITIVITY OF HEALTHY AND TUMOUR CELLS. <i>Radiation Protection Dosimetry</i> , 2019, 183, 116-120.	0.8	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.	2.3	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.	3.5	7
88	Quick liquid packaging: Encasing water silhouettes by three-dimensional polymer membranes. <i>Science Advances</i> , 2019, 5, eaat5189.	10.3	14
89	Effect of crosslinking agent to design nanostructured hyaluronic acid-based hydrogels with improved relaxometric properties. <i>Carbohydrate Polymers</i> , 2019, 222, 114991.	10.2	11
90	A thermoporoelastic model for fluid transport in tumour tissues. <i>Journal of the Royal Society Interface</i> , 2019, 16, 20190030.	3.4	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 &amp; Interfaces</i> , 2019, 11, 17147-17156.	8.0	26
92	Silk-ELR co-recombinamer covered stents obtained by electrospinning. <i>International Journal of Energy Production and Management</i> , 2019, 6, 21-28.	3.7	11
93	Matrix metalloproteinase-cleavable nanocapsules for tumor-activated drug release. <i>Acta Biomaterialia</i> , 2019, 89, 265-278.	8.3	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.	4.6	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.	10.0	21
96	Induced Pluripotent Stem Cells as Vasculature Forming Entities. <i>Journal of Clinical Medicine</i> , 2019, 8, 1782.	2.4	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.	6.0	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.	4.1	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.	2.4	62
100	Pre-vascularized dermis model for fast and functional anastomosis with host vasculature. <i>Biomaterials</i> , 2019, 192, 159-170.	11.4	43
101	Oil Core“PEG Shell Nanocarriers for In Vivo MRI Imaging. <i>Advanced Healthcare Materials</i> , 2019, 8, e1801313.	7.6	16
102	A three-dimensional microfluidized liver system to assess hepatic drug metabolism and hepatotoxicity. <i>Biotechnology and Bioengineering</i> , 2019, 116, 1152-1163.	3.3	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.	5.4	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.	2.1	22
106	Recapitulating spatiotemporal tumor heterogeneity in vitro through engineered breast cancer microtissues. <i>Acta Biomaterialia</i> , 2018, 73, 236-249.	8.3	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.	5.0	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.	5.8	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.	6.7	22
110	Three-Dimensional Microstructured Azobenzene-Containing Gelatin as a Photoactuable Cell Confining System. <i>ACS Applied Materials &amp; Interfaces</i> , 2018, 10, 91-97.	8.0	36
111	3D stromal tissue equivalent affects intestinal epithelium morphogenesis in vitro. <i>Biotechnology and Bioengineering</i> , 2018, 115, 1062-1075.	3.3	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.	2.7	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.	2.7	8
115	Confinement of a polymer chain: An entropic study by Monte Carlo method. <i>AIChE Journal</i> , 2018, 64, 416-426.	3.6	4
116	Electro-drawn polymer microneedle arrays with controlled shape and dimension. <i>Sensors and Actuators B: Chemical</i> , 2018, 255, 1553-1560.	7.8	34
117	A functional connection between dyskerin and energy metabolism. <i>Redox Biology</i> , 2018, 14, 557-565.	9.0	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.	4.1	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.	4.7	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.	8.3	27
121	Cardioprotective Effects of Nanoemulsions Loaded with Anti-Inflammatory Nutraceuticals against Doxorubicin-Induced Cardiotoxicity. <i>Nutrients</i> , 2018, 10, 1304.	4.1	62
122	Regulating Fibroblast Shape and Mechanics through Photoresponsive Surfaces with Concentric Circular Topographic Patterns. <i>Advanced Materials Interfaces</i> , 2018, 5, 1800890.	3.7	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.	2.7	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.	4.1	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.	3.8	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.	8.3	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.	5.4	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.	3.3	11
129	Biophysical investigation of living monocytes in flow by collaborative coherent imaging techniques. <i>Biomedical Optics Express</i> , 2018, 9, 5194.	2.9	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.	2.7	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.	2.7	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.	2.6	9
133	Spatiotemporal Evolution of the Wound Repairing Process in a 3D Human Dermis Equivalent. <i>Advanced Healthcare Materials</i> , 2017, 6, 1601422.	7.6	14
134	Self-assembly of gold nanowire networks into gold foams: production, ultrastructure and applications. <i>Inorganic Chemistry Frontiers</i> , 2017, 4, 1033-1041.	6.0	31
135	Mechanosensing of substrate stiffness regulates focal adhesions dynamics in cell. <i>Meccanica</i> , 2017, 52, 3389-3398.	2.0	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.	8.3	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.	8.3	32
138	Light-responsive polymer brushes: active topographic cues for cell culture applications. <i>Polymer Chemistry</i> , 2017, 8, 3271-3278.	3.9	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.	3.3	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.	5.2	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.	7.6	24
143	Hybrid Core-Shell (HyCoS) Nanoparticles produced by Complex Coacervation for Multimodal Applications. <i>Scientific Reports</i> , 2017, 7, 45121.	3.3	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.	1.1	24

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145	Bioengineered tumoral microtissues recapitulate desmoplastic reaction of pancreatic cancer. <i>Acta Biomaterialia</i> , 2017, 49, 152-166.	8.3	60
146	Metal enhanced fluorescence on super-hydrophobic clusters of gold nanoparticles. <i>Microelectronic Engineering</i> , 2017, 175, 7-11.	2.4	16
147	Relaxation time of polyelectrolyte solutions: When $\tau \propto \omega^{-1/4}$ -rheometry steps in charge. <i>Journal of Rheology</i> , 2017, 61, 13-21.	2.6	33
148	Single-cell screening of multiple biophysical properties in leukemia diagnosis from peripheral blood by pure light scattering. <i>Scientific Reports</i> , 2017, 7, 12666.	3.3	22
149	Azopolymer photopatterning for directional control of angiogenesis. <i>Acta Biomaterialia</i> , 2017, 63, 317-325.	8.3	24
150	Commentary on "A Microfluidic Platform to Design Crosslinked Hyaluronic Acid Nanoparticles (cHANPs) for Enhanced MRI". <i>Molecular Imaging</i> , 2017, 16, 153601211770623.	1.4	10
151	PEGylated crosslinked hyaluronic acid nanoparticles designed through a microfluidic platform for nanomedicine. <i>Nanomedicine</i> , 2017, 12, 2211-2222.	3.3	16
152	Hydrodenticity to enhance relaxivity of gadolinium-DTPA within crosslinked hyaluronic acid nanoparticles. <i>Nanomedicine</i> , 2017, 12, 2199-2210.	3.3	21
153	Hybrid core shell nanoparticles entrapping Gd-DTPA and $^{18}\text{F}$ -FDG for simultaneous PET/MRI acquisitions. <i>Nanomedicine</i> , 2017, 12, 2223-2231.	3.3	26
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