

Tomasz Jungst

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/3572851/publications.pdf>

Version: 2024-02-01

34
papers

5,290
citations

279487

23
h-index

414034

32
g-index

34
all docs

34
docs citations

34
times ranked

5655
citing authors

#	ARTICLE	IF	CITATIONS
1	Hydrophilic (AB) n Segmented Copolymers for Melt Extrusion-Based Additive Manufacturing. <i>Macromolecular Chemistry and Physics</i> , 2021, 222, 2000265.	1.1	1
2	Design of Suspended Melt Electrowritten Fiber Arrays for Schwann Cell Migration and Neurite Outgrowth. <i>Macromolecular Bioscience</i> , 2021, 21, e2000439.	2.1	10
3	Melt Electrowriting of Isomalt for High-Resolution Templating of Embedded Microchannels. <i>Advanced Materials Technologies</i> , 2021, 6, 2100221.	3.0	9
4	Ice Templating Soft Matter: Fundamental Principles and Fabrication Approaches to Tailor Pore Structure and Morphology and Their Biomedical Applications. <i>Advanced Materials</i> , 2021, 33, e2100091.	11.1	97
5	Extrusion-Based 3D Printing of Calcium Magnesium Phosphate Cement Pastes for Degradable Bone Implants. <i>Materials</i> , 2021, 14, 5197.	1.3	12
6	Controlling Topography and Crystallinity of Melt Electrowritten Poly(É-Caprolactone) Fibers. <i>3D Printing and Additive Manufacturing</i> , 2021, 8, 315-321.	1.4	8
7	Layer-specific cell differentiation in bi-layered vascular grafts under flow perfusion. <i>Biofabrication</i> , 2020, 12, 015009.	3.7	43
8	Hyaluronic Acid-Based Bioink Composition Enabling 3D Bioprinting and Improving Quality of Deposited Cartilaginous Extracellular Matrix. <i>Advanced Healthcare Materials</i> , 2020, 9, e2000737.	3.9	81
9	Sterilization Methods and Their Influence on Physicochemical Properties and Bioprinting of Alginate as a Bioink Component. <i>ACS Omega</i> , 2020, 5, 6481-6486.	1.6	27
10	From Shape to Function: The Next Step in Bioprinting. <i>Advanced Materials</i> , 2020, 32, e1906423.	11.1	298
11	Stepwise Control of Crosslinking in a One-Pot System for Bioprinting of Low-Density Bioinks. <i>Advanced Healthcare Materials</i> , 2020, 9, e1901544.	3.9	37
12	Heterotypic Scaffold Design Orchestrates Primary Cell Organization and Phenotypes in Cocultured Small Diameter Vascular Grafts. <i>Advanced Functional Materials</i> , 2019, 29, 1905987.	7.8	82
13	A definition of bioinks and their distinction from biomaterial inks. <i>Biofabrication</i> , 2019, 11, 013001.	3.7	480
14	Biofabrication: Development of Endothelial Cell Networks in 3D Tissues by Combination of Melt Electrospinning Writing with Cell-Accumulation Technology (Small 2/2018). <i>Small</i> , 2018, 14, 1870010.	5.2	0
15	Development of Endothelial Cell Networks in 3D Tissues by Combination of Melt Electrospinning Writing with Cell-Accumulation Technology. <i>Small</i> , 2018, 14, 1701521.	5.2	38
16	Evaluation of Hydrogels Based on Oxidized Hyaluronic Acid for Bioprinting. <i>Gels</i> , 2018, 4, 82.	2.1	34
17	Design and fabrication of melt electrowritten tubes using intuitive software. <i>Materials and Design</i> , 2018, 155, 46-58.	3.3	56
18	Thiol-ene Clickable Poly(glycidol) Hydrogels for Biofabrication. <i>Annals of Biomedical Engineering</i> , 2017, 45, 273-285.	1.3	86

#	ARTICLE	IF	CITATIONS
19	Thiolâ€“ene Crossâ€“Linkable Hydrogels as Bioinks for Biofabrication. Macromolecular Symposia, 2017, 372, 102-107.	0.4	13
20	Kontrolle der Freisetzungskinetik von Nanopartikeln aus 3Dâ€“gedruckten HydrogelgerÃ¼sten. Angewandte Chemie, 2017, 129, 4694-4699.	1.6	1
21	Control of Nanoparticle Release Kinetics from 3D Printed Hydrogel Scaffolds. Angewandte Chemie - International Edition, 2017, 56, 4623-4628.	7.2	53
22	Thiolâ€“ene Clickable Gelatin: A Platform Bioink for Multiple 3D Biofabrication Technologies. Advanced Materials, 2017, 29, 1703404.	11.1	248
23	Proposal to assess printability of bioinks for extrusion-based bioprinting and evaluation of rheological properties governing bioprintability. Biofabrication, 2017, 9, 044107.	3.7	620
24	A Thermogelling Supramolecular Hydrogel with Sponge-Like Morphology as a Cytocompatible Bioink. Biomacromolecules, 2017, 18, 2161-2171.	2.6	90
25	Zellgewebe aus dem Drucker. Nachrichten Aus Der Chemie, 2016, 64, 13-16.	0.0	2
26	Fibre pulsing during melt electrospinning writing. BioNanoMaterials, 2016, 17, .	1.4	109
27	Strategies and Molecular Design Criteria for 3D Printable Hydrogels. Chemical Reviews, 2016, 116, 1496-1539.	23.0	580
28	Melt electrospinning onto cylinders: effects of rotational velocity and collector diameter on morphology of tubular structures. Polymer International, 2015, 64, 1086-1095.	1.6	86
29	Dreidimensional gedruckte, zellbeladene Konstrukte aus Spinnenseide. Angewandte Chemie, 2015, 127, 2858-2862.	1.6	5
30	Biofabrication of Cellâ€“Loaded 3D Spider Silk Constructs. Angewandte Chemie - International Edition, 2015, 54, 2816-2820.	7.2	207
31	Biofabrication of 3D constructs: fabrication technologies and spider silk proteins as bioinks. Pure and Applied Chemistry, 2015, 87, 737-749.	0.9	53
32	Additive manufacturing of scaffolds with sub-micron filaments via melt electrospinning writing. Biofabrication, 2015, 7, 035002.	3.7	296
33	25th Anniversary Article: Engineering Hydrogels for Biofabrication. Advanced Materials, 2013, 25, 5011-5028.	11.1	1,522
34	Melt Electrowriting of a Photoâ€“Crosslinkable Poly(ϵ -Caprolactone)â€“Based Material into Tubular Constructs with Predefined Architecture and Tunable Mechanical Properties. Macromolecular Materials and Engineering, 0, , 2200097.	1.7	6