

Tessa Lhmann

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

57
papers

1,479
citations

22
h-index

37
g-index

62
ext. papers

1,740
ext. citations

6.8
avg, IF

4.52
L-index

#	Paper	IF	Citations
57	Electrospun matrices for localized drug delivery: current technologies and selected biomedical applications. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2012 , 81, 1-13	5.7	214
56	Dicer in Schwann cells is required for myelination and axonal integrity. <i>Journal of Neuroscience</i> , 2010 , 30, 6763-75	6.6	98
55	Cellular uptake and intracellular pathways of PLL-g-PEG-DNA nanoparticles. <i>Bioconjugate Chemistry</i> , 2008 , 19, 1907-16	6.3	83
54	Artificial chemokines: combining chemistry and molecular biology for the elucidation of interleukin-8 functionality. <i>Journal of the American Chemical Society</i> , 2008 , 130, 15311-7	16.4	70
53	A Thermogelling Supramolecular Hydrogel with Sponge-Like Morphology as a Cytocompatible Bioink. <i>Biomacromolecules</i> , 2017 , 18, 2161-2171	6.9	69
52	Bone targeting for the treatment of osteoporosis. <i>Journal of Controlled Release</i> , 2012 , 161, 198-213	11.7	65
51	Water-Soluble Triarylborane Chromophores for One- and Two-Photon Excited Fluorescence Imaging of Mitochondria in Cells. <i>Chemistry - A European Journal</i> , 2016 , 22, 14701-6	4.8	61
50	Formation and characterization of DNA-polymer-condensates based on poly(2-methyl-2-oxazoline) grafted poly(L-lysine) for non-viral delivery of therapeutic DNA. <i>Biomaterials</i> , 2011 , 32, 5291-303	15.6	52
49	Myelin is dependent on the Charcot-Marie-Tooth Type 4H disease culprit protein FRABIN/FGD4 in Schwann cells. <i>Brain</i> , 2012 , 135, 3567-83	11.2	47
48	Comparative assessment of the stability of nonfouling poly(2-methyl-2-oxazoline) and poly(ethylene glycol) surface films: an in vitro cell culture study. <i>Biointerphases</i> , 2014 , 9, 031003	1.8	42
47	Oral drug delivery of therapeutic gases - carbon monoxide release for gastrointestinal diseases. <i>Journal of Controlled Release</i> , 2014 , 189, 46-53	11.7	40
46	Application of natural and semi-synthetic polymers for the delivery of sensitive drugs. <i>International Materials Reviews</i> , 2015 , 60, 101-131	16.1	39
45	Cell Guidance by 3D-Gradients in Hydrogel Matrices: Importance for Biomedical Applications. <i>Materials</i> , 2009 , 2, 1058-1083	3.5	37
44	Characterization of PLL-g-PEG-DNA nanoparticles for the delivery of therapeutic DNA. <i>Bioconjugate Chemistry</i> , 2008 , 19, 548-57	6.3	37
43	Bio-orthogonal Immobilization of Fibroblast Growth Factor 2 for Spatial Controlled Cell Proliferation. <i>ACS Biomaterials Science and Engineering</i> , 2015 , 1, 740-746	5.5	28
42	Biocompatible Azide-Alkyne "Click" Reactions for Surface Decoration of Glyco-Engineered Cells. <i>ChemBioChem</i> , 2016 , 17, 866-75	3.8	28
41	Ionic liquid versus prodrug strategy to address formulation challenges. <i>Pharmaceutical Research</i> , 2015 , 32, 2154-67	4.5	27

40	A perfluoroaromatic abiotic analog of H2 relaxin enabled by rapid flow-based peptide synthesis. <i>Organic and Biomolecular Chemistry</i> , 2016 , 14, 3345-9	3.9	27
39	The induction of cell alignment by covalently immobilized gradients of the 6th Ig-like domain of cell adhesion molecule L1 in 3D-fibrin matrices. <i>Biomaterials</i> , 2009 , 30, 4503-12	15.6	26
38	Site-Specific POxylation of Interleukin-4. <i>ACS Biomaterials Science and Engineering</i> , 2017 , 3, 304-312	5.5	25
37	Bioorthogonal strategies for site-directed decoration of biomaterials with therapeutic proteins. <i>Journal of Controlled Release</i> , 2018 , 273, 68-85	11.7	25
36	Nanotransporters for drug delivery. <i>Current Opinion in Biotechnology</i> , 2016 , 39, 35-40	11.4	24
35	Mapping the pharmaceutical design space by amorphous ionic liquid strategies. <i>Journal of Controlled Release</i> , 2017 , 268, 314-322	11.7	22
34	Protective coatings for intraocular wirelessly controlled microrobots for implantation: Corrosion, cell culture, and in vivo animal tests. <i>Journal of Biomedical Materials Research - Part B Applied Biomaterials</i> , 2017 , 105, 836-845	3.5	21
33	Insulin-like growth factor-I aerosol formulations for pulmonary delivery. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2013 , 85, 61-8	5.7	21
32	Temperature-Dependent Rheological and Viscoelastic Investigation of a Poly(2-methyl-2-oxazoline)-b-poly(2-butyl-2-oxazoline)-b-poly(2-methyl-2-oxazoline)-Based Thermogelling Hydrogel. <i>Journal of Functional Biomaterials</i> , 2019 , 10,	4.8	20
31	Bioresponsive release of insulin-like growth factor-I from its PEGylated conjugate. <i>Journal of Controlled Release</i> , 2018 , 279, 17-28	11.7	19
30	Porous polysulfone coatings for enhanced drug delivery. <i>Biomedical Microdevices</i> , 2012 , 14, 603-12	3.7	19
29	Matrix Metalloproteinase Responsive Delivery of Myostatin Inhibitors. <i>Pharmaceutical Research</i> , 2017 , 34, 58-72	4.5	17
28	Pathogen- and Host-Directed Antileishmanial Effects Mediated by Polyhexanide (PHMB). <i>PLoS Neglected Tropical Diseases</i> , 2015 , 9, e0004041	4.8	16
27	Pulmonary Insulin-like Growth Factor I Delivery from Trehalose and Silk-Fibroin Microparticles. <i>ACS Biomaterials Science and Engineering</i> , 2015 , 1, 119-129	5.5	15
26	Redox cycling for passive modification of polypyrrole surface properties: effects on cell adhesion and proliferation. <i>Advanced Healthcare Materials</i> , 2013 , 2, 591-8	10.1	15
25	Interleukin-4-Clicked Surfaces Drive M2 Macrophage Polarization. <i>ChemBioChem</i> , 2016 , 17, 2123-2128	3.8	15
24	Inverse Thermogelation of Aqueous Triblock Copolymer Solutions into Macroporous Shear-Thinning 3D Printable Inks. <i>ACS Applied Materials & Interfaces</i> , 2020 , 12, 12445-12456	9.5	13
23	Probing unnatural amino acid integration into enhanced green fluorescent protein by genetic code expansion with a high-throughput screening platform. <i>Journal of Biological Engineering</i> , 2016 , 10, 11	6.3	13

22	Luminescent MetalOrganic Framework Mixed-Matrix Membranes from Lanthanide MetalOrganic Frameworks in Polysulfone and Matrimid. <i>European Journal of Inorganic Chemistry</i> , 2016 , 2016, 4408-4415	2.3	13
21	Sterilization Methods and Their Influence on Physicochemical Properties and Bioprinting of Alginate as a Bioink Component. <i>ACS Omega</i> , 2020 , 5, 6481-6486	3.9	11
20	Bioorthogonal Modification of Cell Derived Matrices by Metabolic Glycoengineering. <i>ACS Biomaterials Science and Engineering</i> , 2018 , 4, 1300-1306	5.5	9
19	Site-Specific Conjugated Insulin-like Growth Factor-I for Anabolic Therapy. <i>ACS Biomaterials Science and Engineering</i> , 2018 , 4, 819-825	5.5	8
18	Metabolic Glycoengineering of Cell-Derived Matrices and Cell Surfaces: A Combination of Key Principles and Step-by-Step Procedures. <i>ACS Biomaterials Science and Engineering</i> , 2019 , 5, 215-233	5.5	6
17	Biodistribution of Site-Specific PEGylated Fibroblast Growth Factor-2. <i>ACS Biomaterials Science and Engineering</i> , 2020 , 6, 425-432	5.5	5
16	Nanomechanics on FGF-2 and Heparin Reveal Slip Bond Characteristics with pH Dependency. <i>ACS Biomaterials Science and Engineering</i> , 2017 , 3, 1000-1007	5.5	4
15	Targeting interleukin-4 to the arthritic joint. <i>Journal of Controlled Release</i> , 2020 , 326, 172-180	11.7	4
14	Site-Directed Immobilization of Bone Morphogenetic Protein 2 to Solid Surfaces by Click Chemistry. <i>Journal of Visualized Experiments</i> , 2018 ,	1.6	4
13	Tailoring the drug loading capacity of polypyrrole films for use in intraocular biomicrobots. <i>Annual International Conference of the IEEE Engineering in Medicine and Biology Society IEEE Engineering in Medicine and Biology Society Annual International Conference</i> , 2010 , 2010, 4359-62	0.9	4
12	Molecular Insights into Site-Specific Interferon- α Bioconjugates Originated from PEG, LPG, and PEOx. <i>Biomacromolecules</i> , 2021 , 22, 4521-4534	6.9	4
11	Radiolabeled In-FGF-2 Is Suitable for In Vitro/Ex Vivo Evaluations and In Vivo Imaging. <i>Molecular Pharmaceutics</i> , 2017 , 14, 639-648	5.6	3
10	Freeform direct laser writing of versatile topological 3D scaffolds enabled by intrinsic support hydrogel. <i>Materials Horizons</i> , 2021 , 8, 3334-3344	14.4	3
9	Dually actuated atomic force microscope with miniaturized magnetic bead-actuators for single-molecule force measurements. <i>Nanoscale Horizons</i> , 2016 , 1, 488-495	10.8	3
8	Functional polypyrrole coatings for wirelessly controlled magnetic microrobots 2013 ,		2
7	Mass-Encoded Reporters Reporting Proteolytic Activity from within the Extracellular Matrix. <i>ACS Biomaterials Science and Engineering</i> , 2020 , 6, 5240-5253	5.5	2
6	Metabolic Glycoengineering in hMSC-TERT as a Model for Skeletal Precursors by Using Modified Azide/Alkyne Monosaccharides. <i>International Journal of Molecular Sciences</i> , 2021 , 22,	6.3	1
5	Bioconjugation strategies and clinical implications of Interferon-bioconjugates.. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2022 , 172, 157-157	5.7	0

4	A Complete and Versatile Protocol: Decoration of Cell-Derived Matrices with Mass-Encoded Peptides for Multiplexed Protease Activity Detection. <i>ACS Biomaterials Science and Engineering</i> , 2020 , 6, 6598-6617	5.5	o
3	From Thermogelling Hydrogels toward Functional Bioinks: Controlled Modification and Cytocompatible Crosslinking. <i>Macromolecular Bioscience</i> , 2021 , 21, e2100122	5.5	o
2	67th Mosbacher Kolloquium: Protein Design: From First Principles to Biomedical Applications. <i>ChemBioChem</i> , 2016 , 17, 1297-300	3.8	
1	Nanoparticle Design to Improve Transport Across the Intestinal Barrier. <i>Environmental Chemistry for A Sustainable World</i> , 2020 , 271-315	0.8	