Tessa Lhmann

List of Publications by Year in Descending Order

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	Bioconjugation strategies and clinical implications of Interferon-bioconjugates.. *European Journal of Pharmaceutics and Biopharmaceutics*, **2022**, 172, 157-157	5.7	0
56	Freeform direct laser writing of versatile topological 3D scaffolds enabled by intrinsic support hydrogel. *Materials Horizons*, **2021**, 8, 3334-3344	14.4	3
55	Molecular Insights into Site-Specific Interferon-α2a Bioconjugates Originated from PEG, LPG, and PEtOx. *Biomacromolecules*, **2021**, 22, 4521-4534	6.9	4
54	Metabolic Glycoengineering in hMSC-TERT as a Model for Skeletal Precursors by Using Modified Azide/Alkyne Monosaccharides. *International Journal of Molecular Sciences*, **2021**, 22,	6.3	1
53	From Thermogelling Hydrogels toward Functional Bioinks: Controlled Modification and Cytocompatible Crosslinking. *Macromolecular Bioscience*, **2021**, 21, e2100122	5.5	0
52	Inverse Thermogelation of Aqueous Triblock Copolymer Solutions into Macroporous Shear-Thinning 3D Printable Inks. *ACS Applied Materials & Interfaces*, **2020**, 12, 12445-12456	9.5	13
51	Sterilization Methods and Their Influence on Physicochemical Properties and Bioprinting of Alginate as a Bioink Component. *ACS Omega*, **2020**, 5, 6481-6486	3.9	11
50	Targeting interleukin-4 to the arthritic joint. *Journal of Controlled Release*, **2020**, 326, 172-180	11.7	4
49	Nanoparticle Design to Improve Transport Across the Intestinal Barrier. *Environmental Chemistry for A Sustainable World*, **2020**, 271-315	0.8	
48	Biodistribution of Site-Specific PEGylated Fibroblast Growth Factor-2. *ACS Biomaterials Science and Engineering*, **2020**, 6, 425-432	5.5	5
47	A Complete and Versatile Protocol: Decoration of Cell-Derived Matrices with Mass-Encoded Peptides for Multiplexed Protease Activity Detection. *ACS Biomaterials Science and Engineering*, **2020**, 6, 6598-6617	5.5	0
46	Mass-Encoded Reporters Reporting Proteolytic Activity from within the Extracellular Matrix. *ACS Biomaterials Science and Engineering*, **2020**, 6, 5240-5253	5.5	2
45	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. *Journal of Functional Biomaterials*, **2019**, 10,	4.8	20
44	Metabolic Glycoengineering of Cell-Derived Matrices and Cell Surfaces: A Combination of Key Principles and Step-by-Step Procedures. *ACS Biomaterials Science and Engineering*, **2019**, 5, 215-233	5.5	6
43	Site-Specific Conjugated Insulin-like Growth Factor-I for Anabolic Therapy. *ACS Biomaterials Science and Engineering*, **2018**, 4, 819-825	5.5	8
42	Bioresponsive release of insulin-like growth factor-I from its PEGylated conjugate. *Journal of Controlled Release*, **2018**, 279, 17-28	11.7	19
41	Bioorthogonal strategies for site-directed decoration of biomaterials with therapeutic proteins. *Journal of Controlled Release*, **2018**, 273, 68-85	11.7	25

40	Site-Directed Immobilization of Bone Morphogenetic Protein 2 to Solid Surfaces by Click Chemistry. *Journal of Visualized Experiments*, **2018**,	1.6	4
39	Bioorthogonal Modification of Cell Derived Matrices by Metabolic Glycoengineering. *ACS Biomaterials Science and Engineering*, **2018**, 4, 1300-1306	5.5	9
38	Protective coatings for intraocular wirelessly controlled microrobots for implantation: Corrosion, cell culture, and in vivo animal tests. *Journal of Biomedical Materials Research - Part B Applied Biomaterials*, **2017**, 105, 836-845	3.5	21
37	Radiolabeled In-FGF-2 Is Suitable for In Vitro/Ex Vivo Evaluations and In Vivo Imaging. *Molecular Pharmaceutics*, **2017**, 14, 639-648	5.6	3
36	Nanomechanics on FGF-2 and Heparin Reveal Slip Bond Characteristics with pH Dependency. *ACS Biomaterials Science and Engineering*, **2017**, 3, 1000-1007	5.5	4
35	Site-Specific POxylation of Interleukin-4. *ACS Biomaterials Science and Engineering*, **2017**, 3, 304-312	5.5	25
34	Mapping the pharmaceutical design space by amorphous ionic liquid strategies. *Journal of Controlled Release*, **2017**, 268, 314-322	11.7	22
33	A Thermogelling Supramolecular Hydrogel with Sponge-Like Morphology as a Cytocompatible Bioink. *Biomacromolecules*, **2017**, 18, 2161-2171	6.9	69
32	Matrix Metalloproteinase Responsive Delivery of Myostatin Inhibitors. *Pharmaceutical Research*, **2017**, 34, 58-72	4.5	17
31	Water-Soluble Triarylborane Chromophores for One- and Two-Photon Excited Fluorescence Imaging of Mitochondria in Cells. *Chemistry - A European Journal*, **2016**, 22, 14701-6	4.8	61
30	Probing unnatural amino acid integration into enhanced green fluorescent protein by genetic code expansion with a high-throughput screening platform. *Journal of Biological Engineering*, **2016**, 10, 11	6.3	13
29	67th Mosbacher Kolloquium: Protein Design: From First Principles to Biomedical Applications. *ChemBioChem*, **2016**, 17, 1297-300	3.8	
28	Nanotransporters for drug delivery. *Current Opinion in Biotechnology*, **2016**, 39, 35-40	11.4	24
27	A perfluoroaromatic abiotic analog of H2 relaxin enabled by rapid flow-based peptide synthesis. *Organic and Biomolecular Chemistry*, **2016**, 14, 3345-9	3.9	27
26	Luminescent Metal□Organic Framework Mixed-Matrix Membranes from Lanthanide Metal□Organic Frameworks in Polysulfone and Matrimid. *European Journal of Inorganic Chemistry*, **2016**, 2016, 4408-4415	2.3	13
25	Biocompatible Azide-Alkyne "Click" Reactions for Surface Decoration of Glyco-Engineered Cells. *ChemBioChem*, **2016**, 17, 866-75	3.8	28
24	Interleukin-4-Clicked Surfaces Drive M2 Macrophage Polarization. *ChemBioChem*, **2016**, 17, 2123-2128	3.8	15
23	Dually actuated atomic force microscope with miniaturized magnetic bead-actuators for single-molecule force measurements. *Nanoscale Horizons*, **2016**, 1, 488-495	10.8	3

22	Application of natural and semi-synthetic polymers for the delivery of sensitive drugs. *International Materials Reviews*, **2015**, 60, 101-131	16.1	39
21	Ionic liquid versus prodrug strategy to address formulation challenges. *Pharmaceutical Research*, **2015**, 32, 2154-67	4.5	27
20	Pathogen- and Host-Directed Antileishmanial Effects Mediated by Polyhexanide (PHMB). *PLoS Neglected Tropical Diseases*, **2015**, 9, e0004041	4.8	16
19	Bio-orthogonal Immobilization of Fibroblast Growth Factor 2 for Spatial Controlled Cell Proliferation. *ACS Biomaterials Science and Engineering*, **2015**, 1, 740-746	5.5	28
18	Pulmonary Insulin-like Growth Factor I Delivery from Trehalose and Silk-Fibroin Microparticles. *ACS Biomaterials Science and Engineering*, **2015**, 1, 119-129	5.5	15
17	Oral drug delivery of therapeutic gases - carbon monoxide release for gastrointestinal diseases. *Journal of Controlled Release*, **2014**, 189, 46-53	11.7	40
16	Comparative assessment of the stability of nonfouling poly(2-methyl-2-oxazoline) and poly(ethylene glycol) surface films: an in vitro cell culture study. *Biointerphases*, **2014**, 9, 031003	1.8	42
15	Functional polypyrrole coatings for wirelessly controlled magnetic microrobots **2013**,		2
14	Redox cycling for passive modification of polypyrrole surface properties: effects on cell adhesion and proliferation. *Advanced Healthcare Materials*, **2013**, 2, 591-8	10.1	15
13	Insulin-like growth factor-I aerosol formulations for pulmonary delivery. *European Journal of Pharmaceutics and Biopharmaceutics*, **2013**, 85, 61-8	5.7	21
12	Bone targeting for the treatment of osteoporosis. *Journal of Controlled Release*, **2012**, 161, 198-213	11.7	65
11	Myelin is dependent on the Charcot-Marie-Tooth Type 4H disease culprit protein FRABIN/FGD4 in Schwann cells. *Brain*, **2012**, 135, 3567-83	11.2	47
10	Electrospun matrices for localized drug delivery: current technologies and selected biomedical applications. *European Journal of Pharmaceutics and Biopharmaceutics*, **2012**, 81, 1-13	5.7	214
9	Porous polysulfone coatings for enhanced drug delivery. *Biomedical Microdevices*, **2012**, 14, 603-12	3.7	19
8	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. *Biomaterials*, **2011**, 32, 5291-303	15.6	52
7	Dicer in Schwann cells is required for myelination and axonal integrity. *Journal of Neuroscience*, **2010**, 30, 6763-75	6.6	98
6	Tailoring the drug loading capacity of polypyrrole films for use in intraocular biomicrorobots. *Annual International Conference of the IEEE Engineering in Medicine and Biology Society IEEE Engineering in Medicine and Biology Society Annual International Conference*, **2010**, 2010, 4359-62	0.9	4
5	Cell Guidance by 3D-Gradients in Hydrogel Matrices: Importance for Biomedical Applications. *Materials*, **2009**, 2, 1058-1083	3.5	37

4	The induction of cell alignment by covalently immobilized gradients of the 6th Ig-like domain of cell adhesion molecule L1 in 3D-fibrin matrices. *Biomaterials*, **2009**, 30, 4503-12	15.6	26
3	Characterization of PLL-g-PEG-DNA nanoparticles for the delivery of therapeutic DNA. *Bioconjugate Chemistry*, **2008**, 19, 548-57	6.3	37
2	Artificial chemokines: combining chemistry and molecular biology for the elucidation of interleukin-8 functionality. *Journal of the American Chemical Society*, **2008**, 130, 15311-7	16.4	70
1	Cellular uptake and intracellular pathways of PLL-g-PEG-DNA nanoparticles. *Bioconjugate Chemistry* , **2008**, 19, 1907-16	6.3	83