Lorenz W Meinel

List of Publications by Year in Descending Order

Source: https://exaly.com/author-pdf/6008293/lorenz-w-meinel-publications-by-year.pdf

Version: 2024-04-23

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

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

9,269 46 133 95 h-index g-index citations papers 5.87 10,077 145 7.9 L-index avg, IF ext. citations ext. papers

#	Paper	IF	Citations
133	Bioconjugation strategies and clinical implications of Interferon-bioconjugates European Journal of Pharmaceutics and Biopharmaceutics, 2022 , 172, 157-157	5.7	O
132	Concentration and composition dependent aggregation of Pluronic- and Poly-(2-oxazolin)-Efavirenz formulations in biorelevant media. <i>Journal of Colloid and Interface Science</i> , 2022 , 606, 1179-1192	9.3	0
131	Molecular Insights into Site-Specific Interferon-2a Bioconjugates Originated from PEG, LPG, and PEtOx. <i>Biomacromolecules</i> , 2021 , 22, 4521-4534	6.9	4
130	Leveraging bile solubilization of poorly water-soluble drugs by rational polymer selection. <i>Journal of Controlled Release</i> , 2021 , 330, 36-48	11.7	4
129	Drug-Induced Dynamics of Bile Colloids. <i>Langmuir</i> , 2021 , 37, 2543-2551	4	3
128	Bioactive Electrospun Fibers: Fabrication Strategies and a Critical Review of Surface-Sensitive Characterization and Quantification. <i>Chemical Reviews</i> , 2021 , 121, 11194-11237	68.1	10
127	Antibacterial Anacardic Acid Derivatives. ACS Infectious Diseases, 2020, 6, 1674-1685	5.5	3
126	Carbon Monoxide Exerts Functional Neuroprotection After Cardiac Arrest Using Extracorporeal Resuscitation in Pigs. <i>Critical Care Medicine</i> , 2020 , 48, e299-e307	1.4	6
125	Frugal Innovation for Point-of-Care Diagnostics Controlling Outbreaks and Epidemics. <i>ACS Biomaterials Science and Engineering</i> , 2020 , 6, 2709-2725	5.5	12
124	Targeting interleukin-4 to the arthritic joint. <i>Journal of Controlled Release</i> , 2020 , 326, 172-180	11.7	4
123	Nanoparticle Design to Improve Transport Across the Intestinal Barrier. <i>Environmental Chemistry for A Sustainable World</i> , 2020 , 271-315	0.8	
122	Biodistribution of Site-Specific PEGylated Fibroblast Growth Factor-2. <i>ACS Biomaterials Science and Engineering</i> , 2020 , 6, 425-432	5.5	5
121	Delivery of ionizable hydrophilic drugs based on pharmaceutical formulation of ion pairs and ionic liquids. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2020 , 156, 203-218	5.7	14
120	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
119	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
118	Controlling Supramolecular Structures of Drugs by Light. <i>Molecular Pharmaceutics</i> , 2020 , 17, 4704-4708	5.6	2
117	Bioinspired Ion Pairs Transforming Papaverine into a Protic Ionic Liquid and Salts. <i>ACS Omega</i> , 2020 , 5, 19202-19209	3.9	5

(2017-2020)

116	Carbon monoxide improves haemodynamics during extracorporeal resuscitation in pigs. <i>Cardiovascular Research</i> , 2020 , 116, 158-170	9.9	5
115	Extracorporeal resuscitation with carbon monoxide improves renal function by targeting inflammatory pathways in cardiac arrest in pigs. <i>American Journal of Physiology - Renal Physiology</i> , 2019 , 317, F1572-F1581	4.3	5
114	Loading-Dependent Structural Model of Polymeric Micelles Encapsulating Curcumin by Solid-State NMR Spectroscopy. <i>Angewandte Chemie - International Edition</i> , 2019 , 58, 18540-18546	16.4	29
113	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
112	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
111	Overcoming safety challenges in CO therapy - Extracorporeal CO delivery under precise feedback control of systemic carboxyhemoglobin levels. <i>Journal of Controlled Release</i> , 2018 , 279, 336-344	11.7	19
110	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
109	Bioorthogonal strategies for site-directed decoration of biomaterials with therapeutic proteins. <i>Journal of Controlled Release</i> , 2018 , 273, 68-85	11.7	25
108	Bioinspired co-crystals of Imatinib providing enhanced kinetic solubility. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2018 , 128, 290-299	5.7	16
107	Site-Directed Immobilization of Bone Morphogenetic Protein 2 to Solid Surfaces by Click Chemistry. Journal of Visualized Experiments, 2018,	1.6	4
107		1.6 5.7	5
	Journal of Visualized Experiments, 2018, Investigation of orally delivered carbon monoxide for postoperative ileus. European Journal of		
106	Journal of Visualized Experiments, 2018, Investigation of orally delivered carbon monoxide for postoperative ileus. European Journal of Pharmaceutics and Biopharmaceutics, 2018, 130, 306-313 Geometrical and Structural Dynamics of Imatinib within Biorelevant Colloids. Molecular	5.7	5
106	Journal of Visualized Experiments, 2018, Investigation of orally delivered carbon monoxide for postoperative ileus. European Journal of Pharmaceutics and Biopharmaceutics, 2018, 130, 306-313 Geometrical and Structural Dynamics of Imatinib within Biorelevant Colloids. Molecular Pharmaceutics, 2018, 15, 4470-4480 Where is the Clinical Breakthrough of Heme Oxygenase-1 / Carbon Monoxide Therapeutics?.	5.7 5.6	5
106 105 104	Investigation of orally delivered carbon monoxide for postoperative ileus. European Journal of Pharmaceutics and Biopharmaceutics, 2018, 130, 306-313 Geometrical and Structural Dynamics of Imatinib within Biorelevant Colloids. Molecular Pharmaceutics, 2018, 15, 4470-4480 Where is the Clinical Breakthrough of Heme Oxygenase-1 / Carbon Monoxide Therapeutics?. Current Pharmaceutical Design, 2018, 24, 2264-2282 Characterization of complexes between phenethylamine enantiomers and Ecyclodextrin derivatives by capillary electrophoresis-Determination of binding constants and complex	5.7 5.6 3.3	5 12 28
106 105 104 103	Investigation of orally delivered carbon monoxide for postoperative ileus. European Journal of Pharmaceutics and Biopharmaceutics, 2018, 130, 306-313 Geometrical and Structural Dynamics of Imatinib within Biorelevant Colloids. Molecular Pharmaceutics, 2018, 15, 4470-4480 Where is the Clinical Breakthrough of Heme Oxygenase-1 / Carbon Monoxide Therapeutics?. Current Pharmaceutical Design, 2018, 24, 2264-2282 Characterization of complexes between phenethylamine enantiomers and Eyclodextrin derivatives by capillary electrophoresis-Determination of binding constants and complex mobilities. Electrophoresis, 2017, 38, 1188-1200 Radiolabeled In-FGF-2 Is Suitable for In Vitro/Ex Vivo Evaluations and In Vivo Imaging. Molecular	5.7 5.6 3.3 3.6	5 12 28 9
106 105 104 103	Investigation of orally delivered carbon monoxide for postoperative ileus. European Journal of Pharmaceutics and Biopharmaceutics, 2018, 130, 306-313 Geometrical and Structural Dynamics of Imatinib within Biorelevant Colloids. Molecular Pharmaceutics, 2018, 15, 4470-4480 Where is the Clinical Breakthrough of Heme Oxygenase-1 / Carbon Monoxide Therapeutics?. Current Pharmaceutical Design, 2018, 24, 2264-2282 Characterization of complexes between phenethylamine enantiomers and Etyclodextrin derivatives by capillary electrophoresis-Determination of binding constants and complex mobilities. Electrophoresis, 2017, 38, 1188-1200 Radiolabeled In-FGF-2 Is Suitable for In Vitro/Ex Vivo Evaluations and In Vivo Imaging. Molecular Pharmaceutics, 2017, 14, 639-648 Site-Directed Immobilization of BMP-2: Two Approaches for the Production of Innovative	5.7 5.6 3.3 3.6 5.6	5 12 28 9

98	Topical azithromycin for the prevention of Lyme borreliosis: a randomised, placebo-controlled, phase 3 efficacy trial. <i>Lancet Infectious Diseases, The</i> , 2017 , 17, 322-329	25.5	20
97	Mapping the pharmaceutical design space by amorphous ionic liquid strategies. <i>Journal of Controlled Release</i> , 2017 , 268, 314-322	11.7	22
96	Cytotoxic properties of the alkaloid rutaecarpine and its oligocyclic derivatives and chemical modifications to enhance water-solubility. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2017 , 27, 4937-49	1419	12
95	Bioresponsive Diagnostik - die Zunge als Detektor oraler Entzfidungen. <i>BioSpektrum</i> , 2017 , 23, 782-784	0.1	1
94	Localized delivery of carbon monoxide. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2017 , 118, 3-12	5.7	26
93	Matrix Metalloproteinase Responsive Delivery of Myostatin Inhibitors. <i>Pharmaceutical Research</i> , 2017 , 34, 58-72	4.5	17
92	Prevention of colitis by controlled oral drug delivery of carbon monoxide. <i>Journal of Controlled Release</i> , 2016 , 239, 128-36	11.7	33
91	Impurity profiling of l-asparagine monohydrate by ion pair chromatography applying low wavelength UV detection. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2016 , 131, 202-207	3.5	3
90	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
89	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
88	Recent advances in crystalline and amorphous particulate protein formulations for controlled delivery. <i>Asian Journal of Pharmaceutical Sciences</i> , 2016 , 11, 469-477	9	9
87	Tamper-proof tablets for distinction between counterfeit and originator drugs through PEG coding. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2016 , 99, 1-6	5.7	3
86	Nanotransporters for drug delivery. Current Opinion in Biotechnology, 2016, 39, 35-40	11.4	24
85	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
84	Luminescent Metal Drganic Framework Mixed-Matrix Membranes from Lanthanide Metal Drganic Frameworks in Polysulfone and Matrimid. <i>European Journal of Inorganic Chemistry</i> , 2016 , 2016, 4408-44	1 ² 5 ³	13
83	Surface functionalization allowing repetitive use of optical sensors for real-time detection of antibody-bacteria interaction. <i>Journal of Biophotonics</i> , 2016 , 9, 730-7	3.1	6
82	Natur hūfig Vorbild. <i>Nachrichten Aus Der Chemie</i> , 2016 , 64, 605-609	0.1	
81	Biocompatible Azide-Alkyne "Click" Reactions for Surface Decoration of Glyco-Engineered Cells. <i>ChemBioChem</i> , 2016 , 17, 866-75	3.8	28

(2014-2016)

80	Quinolone Amides as Antitrypanosomal Lead Compounds with In Vivo Activity. <i>Antimicrobial Agents and Chemotherapy</i> , 2016 , 60, 4442-52	5.9	9
79	Interleukin-4-Clicked Surfaces Drive M2 Macrophage Polarization. <i>ChemBioChem</i> , 2016 , 17, 2123-2128	3.8	15
78	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
77	Ionic liquid versus prodrug strategy to address formulation challenges. <i>Pharmaceutical Research</i> , 2015 , 32, 2154-67	4.5	27
76	Pro et contraSionic liquid drugs - Challenges and opportunities for pharmaceutical translation. European Journal of Pharmaceutics and Biopharmaceutics, 2015 , 94, 291-304	5.7	69
75	Influence of salt type and ionic strength on self-assembly of dextran sulfate-ciprofloxacin nanoplexes. <i>International Journal of Pharmaceutics</i> , 2015 , 486, 21-9	6.5	9
74	From silk spinning in insects and spiders to advanced silk fibroin drug delivery systems. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2015 , 97, 392-9	5.7	16
73	Drug delivery of Insulin-like growth factor I. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2015 , 97, 329-37	5.7	5
72	Controlled therapeutic gas delivery systems for quality-improved transplants. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2015 , 97, 96-106	5.7	14
71	Fatty acid composition analysis in polysorbate 80 with high performance liquid chromatography coupled to charged aerosol detection. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2015 , 94, 569-74	5.7	34
70	Simple and rapid high performance liquid chromatography method for the determination of polidocanol as bulk product and in pharmaceutical polymer matrices using charged aerosol detection. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2015 , 104, 17-20	3.5	5
69	Pathogen- and Host-Directed Antileishmanial Effects Mediated by Polyhexanide (PHMB). <i>PLoS Neglected Tropical Diseases</i> , 2015 , 9, e0004041	4.8	16
68	Transformation of acidic poorly water soluble drugs into ionic liquids. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2015 , 94, 73-82	5.7	53
67	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
66	Predicting critical micelle concentration and micelle molecular weight of polysorbate 80 using compendial methods. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2015 , 94, 559-68	5.7	29
65	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
64	Protein release from electrospun nonwovens: improving the release characteristics through rational combination of polyester blend matrices with polidocanol. <i>International Journal of Pharmaceutics</i> , 2014 , 477, 273-81	6.5	12
63	Controlled protein delivery from electrospun non-wovens: novel combination of protein crystals and a biodegradable release matrix. <i>Molecular Pharmaceutics</i> , 2014 , 11, 2372-80	5.6	20

62	Oral drug delivery of therapeutic gases - carbon monoxide release for gastrointestinal diseases. Journal of Controlled Release, 2014 , 189, 46-53	11.7	40
61	Deciphering the mechanism of protein interaction with silk fibroin for drug delivery systems. <i>Biomaterials</i> , 2014 , 35, 3427-34	15.6	27
60	Silk fibroin layer-by-layer microcapsules for localized gene delivery. <i>Biomaterials</i> , 2014 , 35, 7929-39	15.6	57
59	Decoration of silk fibroin by click chemistry for biomedical application. <i>Journal of Structural Biology</i> , 2014 , 186, 420-30	3.4	42
58	Biocompatibility and osteoconduction of macroporous silk fibroin implants in cortical defects in sheep. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2013 , 85, 107-18	5.7	44
57	Remodeling of tissue-engineered bone structures in vivo. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2013 , 85, 119-29	5.7	46
56	Impact of IGF-I release kinetics on bone healing: a preliminary study in sheep. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2013 , 85, 99-106	5.7	17
55	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
54	Biophysical properties of chitosan/siRNA polyplexes: profiling the polymer/siRNA interactions and bioactivity. <i>Journal of Controlled Release</i> , 2012 , 157, 297-304	11.7	70
53	Bone targeting for the treatment of osteoporosis. <i>Journal of Controlled Release</i> , 2012 , 161, 198-213	11.7	65
52	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
51	Synthesis and structure-activity relationships of new quinolone-type molecules against Trypanosoma brucei. <i>Journal of Medicinal Chemistry</i> , 2012 , 55, 2538-48	8.3	29
50	Silk constructs for delivery of musculoskeletal therapeutics. <i>Advanced Drug Delivery Reviews</i> , 2012 , 64, 1111-22	18.5	86
49	In situ guided tissue regeneration in musculoskeletal diseases and aging: Implementing pathology into tailored tissue engineering strategies. <i>Cell and Tissue Research</i> , 2012 , 347, 725-35	4.2	20
48	Silk fibroin as a vehicle for drug delivery applications. <i>Journal of Controlled Release</i> , 2011 , 150, 128-41	11.7	364
47	Design and validation of a novel bioreactor principle to combine online micro-computed tomography monitoring and mechanical loading in bone tissue engineering. <i>Review of Scientific Instruments</i> , 2010 , 81, 014303	1.7	27
46	Development of silk fibroin-based beads for immobilized cell fermentations. <i>Journal of Microencapsulation</i> , 2010 , 27, 1-9	3.4	8
45	The use of sulfonated silk fibroin derivatives to control binding, delivery and potency of FGF-2 in tissue regeneration. <i>Biomaterials</i> , 2010 , 31, 1403-13	15.6	68

(2006-2009)

44	Biopolymer-based growth factor delivery for tissue repair: from natural concepts to engineered systems. <i>Tissue Engineering - Part B: Reviews</i> , 2009 , 15, 263-89	7.9	76
43	Growth factor gradients via microsphere delivery in biopolymer scaffolds for osteochondral tissue engineering. <i>Journal of Controlled Release</i> , 2009 , 134, 81-90	11.7	351
42	Optimization strategies for electrospun silk fibroin tissue engineering scaffolds. <i>Biomaterials</i> , 2009 , 30, 3058-67	15.6	172
41	Microporous silk fibroin scaffolds embedding PLGA microparticles for controlled growth factor delivery in tissue engineering. <i>Biomaterials</i> , 2009 , 30, 2571-81	15.6	89
40	Silk fibroin/hyaluronan scaffolds for human mesenchymal stem cell culture in tissue engineering. <i>Biomaterials</i> , 2009 , 30, 5068-76	15.6	115
39	Insulin-like growth factor I releasing silk fibroin scaffolds induce chondrogenic differentiation of human mesenchymal stem cells. <i>Journal of Controlled Release</i> , 2008 , 127, 12-21	11.7	176
38	Silk fibroin spheres as a platform for controlled drug delivery. <i>Journal of Controlled Release</i> , 2008 , 132, 26-34	11.7	214
37	Effects of chondrogenic and osteogenic regulatory factors on composite constructs grown using human mesenchymal stem cells, silk scaffolds and bioreactors. <i>Journal of the Royal Society Interface</i> , 2008 , 5, 929-39	4.1	51
36	The effect of hyaluronic acid on silk fibroin conformation. <i>Biomaterials</i> , 2008 , 29, 633-42	15.6	53
35	CONTROL OF TISSUE-ENGINEERED BONE-LIKE STRUCTURES ON SILK FIBROIN SCAFFOLDS. <i>Journal of Biomechanics</i> , 2008 , 41, S163	2.9	
34	Control of in vitro tissue-engineered bone-like structures using human mesenchymal stem cells and porous silk scaffolds. <i>Biomaterials</i> , 2007 , 28, 1152-62	15.6	270
33	Silk coatings on PLGA and alginate microspheres for protein delivery. <i>Biomaterials</i> , 2007 , 28, 4161-9	15.6	161
32	Silk fibroin matrices for the controlled release of nerve growth factor (NGF). <i>Biomaterials</i> , 2007 , 28, 444	49 <u>-</u> 60	164
31	Silk microspheres for encapsulation and controlled release. <i>Journal of Controlled Release</i> , 2007 , 117, 360-70	11.7	251
30	Non-invasive time-lapsed monitoring and quantification of engineered bone-like tissue. <i>Annals of Biomedical Engineering</i> , 2007 , 35, 1657-67	4.7	43
29	Nondestructive micro-computed tomography for biological imaging and quantification of scaffold-bone interaction in vivo. <i>Biomaterials</i> , 2007 , 28, 2479-90	15.6	164
28	BMP-silk composite matrices heal critically sized femoral defects. <i>Bone</i> , 2007 , 41, 247-55	4.7	132
27	Silk fibroin as an organic polymer for controlled drug delivery. <i>Journal of Controlled Release</i> , 2006 , 111, 219-27	11.7	293

26	Porous silk fibroin 3-D scaffolds for delivery of bone morphogenetic protein-2 in vitro and in vivo. Journal of Biomedical Materials Research - Part A, 2006 , 78, 324-34	5.4	185
25	Tissue Engineering of Bone 2006 , 323-373		5
24	Effect of scaffold design on bone morphology in vitro. <i>Tissue Engineering</i> , 2006 , 12, 3417-29		117
23	Cartilage-like tissue engineering using silk scaffolds and mesenchymal stem cells. <i>Tissue Engineering</i> , 2006 , 12, 2729-38		159
22	Silk based biomaterials to heal critical sized femur defects. <i>Bone</i> , 2006 , 39, 922-31	4.7	190
21	The support of adenosine release from adenosine kinase deficient ES cells by silk substrates. <i>Biomaterials</i> , 2006 , 27, 4599-607	15.6	31
20	Osteogenesis by human mesenchymal stem cells cultured on silk biomaterials: comparison of adenovirus mediated gene transfer and protein delivery of BMP-2. <i>Biomaterials</i> , 2006 , 27, 4993-5002	15.6	157
19	Cartilage-like Tissue Engineering Using Silk Scaffolds and Mesenchymal Stem Cells. <i>Tissue Engineering</i> , 2006 , 060915113954001		1
18	Effect of Scaffold Design on Bone Morphologyin Vitro. <i>Tissue Engineering</i> , 2006 , 061017080728004		
17	Silk implants for the healing of critical size bone defects. <i>Bone</i> , 2005 , 37, 688-98	4.7	37 ¹
17 16	Silk implants for the healing of critical size bone defects. <i>Bone</i> , 2005 , 37, 688-98 The inflammatory responses to silk films in vitro and in vivo. <i>Biomaterials</i> , 2005 , 26, 147-55	4.7	
		15.6	
16	The inflammatory responses to silk films in vitro and in vivo. <i>Biomaterials</i> , 2005 , 26, 147-55	15.6	636
16	The inflammatory responses to silk films in vitro and in vivo. <i>Biomaterials</i> , 2005 , 26, 147-55 Bioreactor cultivation of osteochondral grafts. <i>Orthodontics and Craniofacial Research</i> , 2005 , 8, 209-18 Insulin-like growth factor I-releasing alginate-tricalciumphosphate composites for bone	15.6	636
16 15	The inflammatory responses to silk films in vitro and in vivo. <i>Biomaterials</i> , 2005 , 26, 147-55 Bioreactor cultivation of osteochondral grafts. <i>Orthodontics and Craniofacial Research</i> , 2005 , 8, 209-18 Insulin-like growth factor I-releasing alginate-tricalciumphosphate composites for bone regeneration. <i>Pharmaceutical Research</i> , 2005 , 22, 940-50 An experimental animal model of aseptic loosening of hip prostheses in sheep to study early	15.6 3 4.5	636 104 71
16 15 14	The inflammatory responses to silk films in vitro and in vivo. <i>Biomaterials</i> , 2005 , 26, 147-55 Bioreactor cultivation of osteochondral grafts. <i>Orthodontics and Craniofacial Research</i> , 2005 , 8, 209-18 Insulin-like growth factor I-releasing alginate-tricalciumphosphate composites for bone regeneration. <i>Pharmaceutical Research</i> , 2005 , 22, 940-50 An experimental animal model of aseptic loosening of hip prostheses in sheep to study early biochemical changes at the interface membrane. <i>BMC Musculoskeletal Disorders</i> , 2004 , 5, 7 Bone tissue engineering using human mesenchymal stem cells: effects of scaffold material and	15.6 3 4·5 2.8	636 104 71 18
16 15 14 13	The inflammatory responses to silk films in vitro and in vivo. <i>Biomaterials</i> , 2005 , 26, 147-55 Bioreactor cultivation of osteochondral grafts. <i>Orthodontics and Craniofacial Research</i> , 2005 , 8, 209-18 Insulin-like growth factor I-releasing alginate-tricalciumphosphate composites for bone regeneration. <i>Pharmaceutical Research</i> , 2005 , 22, 940-50 An experimental animal model of aseptic loosening of hip prostheses in sheep to study early biochemical changes at the interface membrane. <i>BMC Musculoskeletal Disorders</i> , 2004 , 5, 7 Bone tissue engineering using human mesenchymal stem cells: effects of scaffold material and medium flow. <i>Annals of Biomedical Engineering</i> , 2004 , 32, 112-22 Engineering cartilage-like tissue using human mesenchymal stem cells and silk protein scaffolds.	15.6 3 4.5 2.8 4.7	636 104 71 18 421

LIST OF PUBLICATIONS

8	Localized delivery of growth factors for bone repair. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2004 , 58, 197-208	5.7	275
7	Localized insulin-like growth factor I delivery to enhance new bone formation. <i>Bone</i> , 2003 , 33, 660-72	4.7	123
6	IGF-I and GH stimulate Phex mRNA expression in lungs and bones and 1,25-dihydroxyvitamin D(3) production in hypophysectomized rats. <i>European Journal of Endocrinology</i> , 2002 , 146, 97-105	6.5	32
5	Transport of alkamides from Echinacea species through Caco-2 monolayers. <i>Planta Medica</i> , 2002 , 68, 469-71	3.1	28
4	Differential distribution of beta-adrenergic receptor subtypes in blood vessels of knockout mice lacking beta(1)- or beta(2)-adrenergic receptors. <i>Molecular Pharmacology</i> , 2001 , 60, 955-62	4.3	85
3	Stabilizing insulin-like growth factor-I in poly(D,L-lactide-co-glycolide) microspheres. <i>Journal of Controlled Release</i> , 2001 , 70, 193-202	11.7	130
2	Vascular hypertrophy and increased P70S6 kinase in mice lacking the angiotensin II AT(2) receptor. <i>Circulation</i> , 2001 , 104, 2602-7	16.7	50
1	Intracellular trafficking of angiotensin II and its AT1 and AT2 receptors: evidence for selective sorting of receptor and ligand. <i>Molecular Endocrinology</i> , 1997 , 11, 1266-77		203