

# Liesbet Lj Geris

## List of Publications by Year in descending order

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134  
papers

4,280  
citations

117625

34  
h-index

138484

58  
g-index

142  
all docs

142  
docs citations

142  
times ranked

4583  
citing authors

#	ARTICLE	IF	CITATIONS
1	3D-Printed Synthetic Hydroxyapatite Scaffold With In Silico Optimized Macrostructure Enhances Bone Formation In Vivo. <i>Advanced Functional Materials</i> , 2022, 32, 2105002.	14.9	37
2	Mechanical Regulation of Limb Bud Formation. <i>Cells</i> , 2022, 11, 420.	4.1	5
3	Ribosome exit tunnel electrostatics. <i>Physical Review E</i> , 2022, 105, 014409.	2.1	5
4	In Vitro, In Vivo, and In Silico Models of Lymphangiogenesis in Solid Malignancies. <i>Cancers</i> , 2022, 14, 1525.	3.7	2
5	A flexible and easy-to-use open-source tool for designing functionally graded 3D porous structures. <i>Virtual and Physical Prototyping</i> , 2022, 17, 682-699.	10.4	9
6	The development of a 3D printable chitosan-based copolymer with tunable properties for dentoalveolar regeneration. <i>Carbohydrate Polymers</i> , 2022, 289, 119441.	10.2	4
7	BioDeg: A finite element software for the simulation of the corrosion and biodegradation process in metallic biomaterials. <i>Journal of Open Source Software</i> , 2022, 7, 4281.	4.6	0
8	Tumor exposed-lymphatic endothelial cells promote primary tumor growth via IL6. <i>Cancer Letters</i> , 2021, 497, 154-164.	7.2	14
9	Turning Nature's own processes into design strategies for living bone implant biomanufacturing: a decade of Developmental Engineering. <i>Advanced Drug Delivery Reviews</i> , 2021, 169, 22-39.	13.7	13
10	Possible Contexts of Use for In Silico Trials Methodologies: A Consensus-Based Review. <i>IEEE Journal of Biomedical and Health Informatics</i> , 2021, 25, 3977-3982.	6.3	21
11	Dissecting the effects of preconditioning with inflammatory cytokines and hypoxia on the angiogenic potential of mesenchymal stromal cell (MSC)-derived soluble proteins and extracellular vesicles (EVs). <i>Biomaterials</i> , 2021, 269, 120633.	11.4	59
12	Micro computed tomography with and without contrast enhancement for the characterization of microcarriers in dry and wet state. <i>Scientific Reports</i> , 2021, 11, 2819.	3.3	1
13	Wobble tRNA modification and hydrophilic amino acid patterns dictate protein fate. <i>Nature Communications</i> , 2021, 12, 2170.	12.8	16
14	Estetrol Combined to Progestogen for Menopause or Contraception Indication Is Neutral on Breast Cancer. <i>Cancers</i> , 2021, 13, 2486.	3.7	13
15	Safer chemicals using less animals: kick-off of the European ONTOX project. <i>Toxicology</i> , 2021, 458, 152846.	4.2	33
16	Patterned, organoid-based cartilaginous implants exhibit zone specific functionality forming osteochondral-like tissues in vivo. <i>Biomaterials</i> , 2021, 273, 120820.	11.4	42
17	An open source crash course on parameter estimation of computational models using a Bayesian optimization approach. <i>The Journal of Open Source Education</i> , 2021, 4, 89.	0.4	2
18	Scientific and regulatory evaluation of mechanistic in silico drug and disease models in drug development: Building model credibility. <i>CPT: Pharmacometrics and Systems Pharmacology</i> , 2021, 10, 804-825.	2.5	51

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19	Self-Oxygenation of Tissues Orchestrates Full-Thickness Vascularization of Living Implants. <i>Advanced Functional Materials</i> , 2021, 31, 2100850.	14.9	16
20	Towards the Experimentally-Informed In Silico Nozzle Design Optimization for Extrusion-Based Bioprinting of Shear-Thinning Hydrogels. <i>Frontiers in Bioengineering and Biotechnology</i> , 2021, 9, 701778.	4.1	27
21	Cartilaginous spheroid-assembly design considerations for endochondral ossification: towards robotic-driven biomanufacturing. <i>Biofabrication</i> , 2021, 13, 045025.	7.1	10
22	Computational modeling of degradation process of biodegradable magnesium biomaterials. <i>Corrosion Science</i> , 2021, 190, 109674.	6.6	24
23	Human pluripotent stem cell-derived cartilaginous organoids promote scaffold-free healing of critical size long bone defects. <i>Stem Cell Research and Therapy</i> , 2021, 12, 513.	5.5	37
24	Towards in silico Models of the Inflammatory Response in Bone Fracture Healing. <i>Frontiers in Bioengineering and Biotechnology</i> , 2021, 9, 703725.	4.1	12
25	Guide to mechanical characterization of articular cartilage and hydrogel constructs based on a systematic in silico parameter sensitivity analysis. <i>Journal of the Mechanical Behavior of Biomedical Materials</i> , 2021, 124, 104795.	3.1	5
26	An ECHO of Cartilage: In Silico Prediction of Combinatorial Treatments to Switch Between Transient and Permanent Cartilage Phenotypes With Ex Vivo Validation. <i>Frontiers in Bioengineering and Biotechnology</i> , 2021, 9, 732917.	4.1	3
27	Engineering 3D parallelized microfluidic droplet generators with equal flow profiles by computational fluid dynamics and stereolithographic printing. <i>Lab on A Chip</i> , 2020, 20, 490-495.	6.0	31
28	Developmentally Engineered Callus Organoid Bioassemblies Exhibit Predictive In Vivo Long Bone Healing. <i>Advanced Science</i> , 2020, 7, 1902295.	11.2	93
29	Single-cell characterization and metabolic profiling of in vitro cultured human skeletal progenitors with enhanced in vivo bone forming capacity. <i>Stem Cells Translational Medicine</i> , 2020, 9, 389-402.	3.3	29
30	ECHO, the executable CHondrocyte: A computational model to study articular chondrocytes in health and disease. <i>Cellular Signalling</i> , 2020, 68, 109471.	3.6	13
31	Cancer modeling: From mechanistic to data-driven approaches, and from fundamental insights to clinical applications. <i>Journal of Computational Science</i> , 2020, 46, 101198.	2.9	39
32	The Bone-Forming Properties of Periosteum-Derived Cells Differ Between Harvest Sites. <i>Frontiers in Cell and Developmental Biology</i> , 2020, 8, 554984.	3.7	19
33	Computational Modeling of Human Mesenchymal Stromal Cell Proliferation and Extra-Cellular Matrix Production in 3D Porous Scaffolds in a Perfusion Bioreactor: The Effect of Growth Factors. <i>Frontiers in Bioengineering and Biotechnology</i> , 2020, 8, 376.	4.1	11
34	Use of Computational Modeling to Study Joint Degeneration: A Review. <i>Frontiers in Bioengineering and Biotechnology</i> , 2020, 8, 93.	4.1	30
35	The "Digital Twin"™ to enable the vision of precision cardiology. <i>European Heart Journal</i> , 2020, 41, 4556-4564.	2.2	319
36	In silico tools predict effects of drugs on bone remodelling. <i>Nature Reviews Rheumatology</i> , 2020, 16, 475-476.	8.0	3

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37	A cell-based combination product for the repair of large bone defects. <i>Bone</i> , 2020, 138, 115511.	2.9	29
38	Optimizing neotissue growth inside perfusion bioreactors with respect to culture and labor cost: a multi-objective optimization study using evolutionary algorithms. <i>Computer Methods in Biomechanics and Biomedical Engineering</i> , 2020, 23, 285-294.	1.6	11
39	Lipid availability determines fate of skeletal progenitor cells via SOX9. <i>Nature</i> , 2020, 579, 111-117.	27.8	140
40	Predicting in vitro human mesenchymal stromal cell expansion based on individual donor characteristics using machine learning. <i>Cytotherapy</i> , 2020, 22, 82-90.	0.7	17
41	From Translation to Protein Degradation as Mechanisms for Regulating Biological Functions: A Review on the SLRP Family in Skeletal Tissues. <i>Biomolecules</i> , 2020, 10, 80.	4.0	15
42	Verifying and Validating Quantitative Systems Pharmacology and <i>In Silico</i> Models in Drug Development: Current Needs, Gaps, and Challenges. <i>CPT: Pharmacometrics and Systems Pharmacology</i> , 2020, 9, 195-197.	2.5	20
43	Bayesian Multiobjective Optimisation With Mixed Analytical and Black-Box Functions: Application to Tissue Engineering. <i>IEEE Transactions on Biomedical Engineering</i> , 2019, 66, 727-739.	4.2	25
44	Human Platelet Lysate Improves Bone Forming Potential of Human Progenitor Cells Expanded in Microcarrier-Based Dynamic Culture. <i>Stem Cells Translational Medicine</i> , 2019, 8, 810-821.	3.3	20
45	Computational design of tissue engineering scaffolds. , 2019, , 73-92.		5
46	Neurofibromatosis type 1-related pseudarthrosis: Beyond the pseudarthrosis site. <i>Human Mutation</i> , 2019, 40, 1760-1767.	2.5	11
47	Uncoupling of in-vitro identity of embryonic limb derived skeletal progenitors and their in-vivo bone forming potential. <i>Scientific Reports</i> , 2019, 9, 5782.	3.3	6
48	Effect of ultrasound on bone fracture healing: A computational mechanobioregulatory model. <i>Journal of the Acoustical Society of America</i> , 2019, 145, 1048-1059.	1.1	9
49	The Third Era of Tissue Engineering: Reversing the Innovation Drivers. <i>Tissue Engineering - Part A</i> , 2019, 25, 821-826.	3.1	22
50	Towards Self-Regulated Bioprocessing: A Compact Benchtop Bioreactor System for Monitored and Controlled 3D Cell and Tissue Culture. <i>Biotechnology Journal</i> , 2019, 14, 1800545.	3.5	20
51	Modelling towards a more holistic medicine: The Virtual Physiological Human (VPH). <i>Morphologie</i> , 2019, 103, 127-130.	0.9	9
52	Simultaneous three-dimensional visualization of mineralized and soft skeletal tissues by a novel microCT contrast agent with polyoxometalate structure. <i>Biomaterials</i> , 2018, 159, 1-12.	11.4	70
53	The future is digital: In silico tissue engineering. <i>Current Opinion in Biomedical Engineering</i> , 2018, 6, 92-98.	3.4	50
54	Limb derived cells as a paradigm for engineering self-assembling skeletal tissues. <i>Journal of Tissue Engineering and Regenerative Medicine</i> , 2018, 12, 794-807.	2.7	8

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55	An Integrated Bioprocess for the Expansion and Chondrogenic Priming of Human Periosteum-Derived Progenitor Cells in Suspension Bioreactors. <i>Biotechnology Journal</i> , 2018, 13, 1700087.	3.5	19
56	Virtual physiological human 2016: translating the virtual physiological human to the clinic. <i>Interface Focus</i> , 2018, 8, 20170067.	3.0	15
57	Computational Modeling and Reverse Engineering to Reveal Dominant Regulatory Interactions Controlling Osteochondral Differentiation: Potential for Regenerative Medicine. <i>Frontiers in Bioengineering and Biotechnology</i> , 2018, 6, 165.	4.1	18
58	Deciphering the combined effect of bone morphogenetic protein 6 and calcium phosphate on bone formation capacity of periosteum derived cell-based tissue engineering constructs. <i>Acta Biomaterialia</i> , 2018, 80, 97-107.	8.3	25
59	A modular, standalone perfusion bioreactor for robust, monitored and controlled tissue engineering. <i>Cytotherapy</i> , 2018, 20, S81-S82.	0.7	2
60	Designing microtissue bioassemblies for skeletal regeneration: Healing critical size long bone defects. <i>Cytotherapy</i> , 2018, 20, S14.	0.7	1
61	Effect of ultrasound on bone fracture healing: A computational bioregulatory model. <i>Computers in Biology and Medicine</i> , 2018, 100, 74-85.	7.0	11
62	Maximizing neotissue growth kinetics in a perfusion bioreactor: An in silico strategy using model reduction and Bayesian optimization. <i>Biotechnology and Bioengineering</i> , 2018, 115, 617-629.	3.3	31
63	In silico methods – Computational alternatives to animal testing. <i>ALTEX: Alternatives To Animal Experimentation</i> , 2018, 35, 126-128.	1.5	7
64	Bioreactor Sensing and Monitoring for Cell Therapy Manufacturing. , 2018, , 243-268.		2
65	Mathematical modelling of the degradation behaviour of biodegradable metals. <i>Biomechanics and Modeling in Mechanobiology</i> , 2017, 16, 227-238.	2.8	31
66	Computational modelling of local calcium ions release from calcium phosphate-based scaffolds. <i>Biomechanics and Modeling in Mechanobiology</i> , 2017, 16, 425-438.	2.8	17
67	Bayesian Multi-Objective Optimisation of Neotissue Growth in a Perfusion Bioreactor Set-Up. <i>Computer Aided Chemical Engineering</i> , 2017, 40, 2155-2160.	0.5	1
68	Combinatorial Analysis of Growth Factors Reveals the Contribution of Bone Morphogenetic Proteins to Chondrogenic Differentiation of Human Periosteal Cells. <i>Tissue Engineering - Part C: Methods</i> , 2016, 22, 473-486.	2.1	35
69	<i>In silico</i> regenerative medicine: how computational tools allow regulatory and financial challenges to be addressed in a volatile market. <i>Interface Focus</i> , 2016, 6, 20150105.	3.0	17
70	Computational Modeling Under Uncertainty: Challenges and Opportunities. <i>Studies in Mechanobiology, Tissue Engineering and Biomaterials</i> , 2016, , 467-476.	1.0	3
71	Early BMP, Wnt and Ca <sup>2+</sup> /PKC pathway activation predicts the bone forming capacity of periosteal cells in combination with calcium phosphates. <i>Biomaterials</i> , 2016, 86, 106-118.	11.4	49
72	Coupling curvature-dependent and shear stress-stimulated neotissue growth in dynamic bioreactor cultures: a 3D computational model of a complete scaffold. <i>Biomechanics and Modeling in Mechanobiology</i> , 2016, 15, 169-180.	2.8	60

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73	Combining microCT-based characterization with empirical modelling as a robust screening approach for the design of optimized CaP-containing scaffolds for progenitor cell-mediated bone formation. <i>Acta Biomaterialia</i> , 2016, 35, 330-340.	8.3	31
74	Sensitivity Analysis by Design of Experiments. <i>Studies in Mechanobiology, Tissue Engineering and Biomaterials</i> , 2016, , 327-366.	1.0	17
75	An Introduction to Uncertainty in the Development of Computational Models of Biological Processes. <i>Studies in Mechanobiology, Tissue Engineering and Biomaterials</i> , 2016, , 3-11.	1.0	6
76	Immersed Boundary Models for Quantifying Flow-Induced Mechanical Stimuli on Stem Cells Seeded on 3D Scaffolds in Perfusion Bioreactors. <i>PLoS Computational Biology</i> , 2016, 12, e1005108.	3.2	26
77	A Qualitative Model of the Differentiation Network in Chondrocyte Maturation: A Holistic View of Chondrocyte Hypertrophy. <i>PLoS ONE</i> , 2016, 11, e0162052.	2.5	19
78	Computational modeling of bone fracture non-unions: four clinically relevant case studies. <i>In Silico Cell and Tissue Science</i> , 2015, 2, 1.	2.6	24
79	A three-dimensional computational fluid dynamics model of shear stress distribution during neotissue growth in a perfusion bioreactor. <i>Biotechnology and Bioengineering</i> , 2015, 112, 2591-2600.	3.3	71
80	Bringing computational models of bone regeneration to the clinic. <i>Wiley Interdisciplinary Reviews: Systems Biology and Medicine</i> , 2015, 7, 183-194.	6.6	26
81	A mechano-regulatory model for bone healing predictions under the influence of ultrasound. , 2015, 2015, 921-4.		1
82	A Semiquantitative Framework for Gene Regulatory Networks: Increasing the Time and Quantitative Resolution of Boolean Networks. <i>PLoS ONE</i> , 2015, 10, e0130033.	2.5	14
83	Multifactorial Optimization of Contrast-Enhanced Nanofocus Computed Tomography for Quantitative Analysis of Neo-Tissue Formation in Tissue Engineering Constructs. <i>PLoS ONE</i> , 2015, 10, e0130227.	2.5	10
84	Cell based advanced therapeutic medicinal products for bone repair: Keep it simple?. <i>Advanced Drug Delivery Reviews</i> , 2015, 84, 30-44.	13.7	45
85	A mathematical model for bone healing predictions under the ultrasound effect. , 2015, , .		2
86	Oxygen as a critical determinant of bone fracture healing—A multiscale model. <i>Journal of Theoretical Biology</i> , 2015, 365, 247-264.	1.7	80
87	Product and Process Design. , 2014, , 747-781.		2
88	Size Does Matter: An Integrative In Vivo-In Silico Approach for the Treatment of Critical Size Bone Defects. <i>PLoS Computational Biology</i> , 2014, 10, e1003888.	3.2	51
89	Contrast-Enhanced Nanofocus X-Ray Computed Tomography Allows Virtual Three-Dimensional Histopathology and Morphometric Analysis of Osteoarthritis in Small Animal Models. <i>Cartilage</i> , 2014, 5, 55-65.	2.7	33
90	Spatial optimization in perfusion bioreactors improves bone tissue-engineered construct quality attributes. <i>Biotechnology and Bioengineering</i> , 2014, 111, 2560-2570.	3.3	32

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91	<i>In Vivo</i> Ectopic Bone Formation by Devitalized Mineralized Stem Cell Carriers Produced Under Mineralizing Culture Condition. <i>BioResearch Open Access</i> , 2014, 3, 265-277.	2.6	10
92	Staphylococcal biofilm growth on smooth and porous titanium coatings for biomedical applications. <i>Journal of Biomedical Materials Research - Part A</i> , 2014, 102, 215-224.	4.0	95
93	A visco-elastic model for the prediction of orthodontic tooth movement. <i>Computer Methods in Biomechanics and Biomedical Engineering</i> , 2014, 17, 581-590.	1.6	2
94	Regenerative orthopaedics: in vitro, in vivo & in silico. <i>International Orthopaedics</i> , 2014, 38, 1771-1778.	1.9	23
95	Three-Dimensional Characterization of Tissue-Engineered Constructs by Contrast-Enhanced Nanofocus Computed Tomography. <i>Tissue Engineering - Part C: Methods</i> , 2014, 20, 177-187.	2.1	46
96	A computational model for cell/ECM growth on 3D surfaces using the level set method: a bone tissue engineering case study. <i>Biomechanics and Modeling in Mechanobiology</i> , 2014, 13, 1361-1371.	2.8	92
97	In silico cell and tissue science. <i>In Silico Cell and Tissue Science</i> , 2014, 1, .	2.6	0
98	In Silico Biology of Bone Regeneration Inside Calcium Phosphate Scaffolds. <i>Computational Methods in Applied Sciences (Springer)</i> , 2014, , 31-48.	0.3	1
99	Mechanisms of cell migration in the adult brain: modelling subventricular neurogenesis. <i>Computer Methods in Biomechanics and Biomedical Engineering</i> , 2013, 16, 1096-1105.	1.6	2
100	MOSAIC: A Multiscale Model of Osteogenesis and Sprouting Angiogenesis with Lateral Inhibition of Endothelial Cells. <i>PLoS Computational Biology</i> , 2012, 8, e1002724.	3.2	76
101	A mathematical model of adult subventricular neurogenesis. <i>Journal of the Royal Society Interface</i> , 2012, 9, 2414-2423.	3.4	11
102	Current views on calcium phosphate osteogenicity and the translation into effective bone regeneration strategies. <i>Acta Biomaterialia</i> , 2012, 8, 3876-3887.	8.3	240
103	In Vivo, In Vitro, In Silico: Computational Tools for Product and Process Design in Tissue Engineering. <i>Studies in Mechanobiology, Tissue Engineering and Biomaterials</i> , 2012, , 1-15.	1.0	1
104	Relating the Chondrocyte Gene Network to Growth Plate Morphology: From Genes to Phenotype. <i>PLoS ONE</i> , 2012, 7, e34729.	2.5	24
105	Mechanisms of ectopic bone formation by human osteoprogenitor cells on CaP biomaterial carriers. <i>Biomaterials</i> , 2012, 33, 3127-3142.	11.4	103
106	Continuum-level modelling of cellular adhesion and matrix production in aggregates. <i>Computer Methods in Biomechanics and Biomedical Engineering</i> , 2011, 14, 403-410.	1.6	4
107	Designing optimal calcium phosphate scaffold-cell combinations using an integrative model-based approach. <i>Acta Biomaterialia</i> , 2011, 7, 3573-3585.	8.3	30
108	A hybrid bioregulatory model of angiogenesis during bone fracture healing. <i>Biomechanics and Modeling in Mechanobiology</i> , 2011, 10, 383-395.	2.8	60

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109	Computational modelling of biomaterial surface interactions with blood platelets and osteoblastic cells for the prediction of contact osteogenesis. <i>Acta Biomaterialia</i> , 2011, 7, 779-790.	8.3	16
110	Towards a quantitative understanding of oxygen tension and cell density evolution in fibrin hydrogels. <i>Biomaterials</i> , 2011, 32, 107-118.	11.4	60
111	The combined bone forming capacity of human periosteal derived cells and calcium phosphates. <i>Biomaterials</i> , 2011, 32, 4393-4405.	11.4	100
112	Connecting biology and mechanics in fracture healing: an integrated mathematical modeling framework for the study of nonunions. <i>Biomechanics and Modeling in Mechanobiology</i> , 2010, 9, 713-724.	2.8	70
113	Mathematical Modeling in Wound Healing, Bone Regeneration and Tissue Engineering. <i>Acta Biotheoretica</i> , 2010, 58, 355-367.	1.5	31
114	A cell based modelling framework for skeletal tissue engineering applications. <i>Journal of Biomechanics</i> , 2010, 43, 887-892.	2.1	12
115	Mechanical Loading Affects Angiogenesis and Osteogenesis in an <i>In Vivo</i> Bone Chamber: A Modeling Study. <i>Tissue Engineering - Part A</i> , 2010, 16, 3353-3361.	3.1	18
116	Occurrence and Treatment of Bone Atrophic Non-Unions Investigated by an Integrative Approach. <i>PLoS Computational Biology</i> , 2010, 6, e1000915.	3.2	45
117	Mathematical Modelling of Cell Adhesion in Tissue Engineering using Continuum Models. <i>Studies in Mechanobiology, Tissue Engineering and Biomaterials</i> , 2010, , 431-450.	1.0	1
118	Biomaterial Surface Characteristics Modulate the Outcome of Bone Regeneration Around Endosseous Oral Implants: In Silico Modeling and Simulation. , 2010, , 95-106.		0
119	Modelling the early phases of bone regeneration around an endosseous oral implant. <i>Computer Methods in Biomechanics and Biomedical Engineering</i> , 2009, 12, 459-468.	1.6	12
120	Numerical Simulation of Bone Regeneration in a Bone Chamber. <i>Journal of Dental Research</i> , 2009, 88, 158-163.	5.2	7
121	Mathematical modeling of fracture healing: coupling between mechanics, angiogenesis and osteogenesis. <i>IFMBE Proceedings</i> , 2009, , 2651-2654.	0.3	3
122	Application of mechanoregulatory models to simulate peri-implant tissue formation in an in vivo bone chamber. <i>Journal of Biomechanics</i> , 2008, 41, 145-154.	2.1	42
123	Angiogenesis in bone fracture healing: A bioregulatory model. <i>Journal of Theoretical Biology</i> , 2008, 251, 137-158.	1.7	216
124	The effect of micro-motion on the tissue response around immediately loaded roughened titanium implants in the rabbit. <i>European Journal of Oral Sciences</i> , 2007, 115, 21-29.	1.5	76
125	Histodynamics of bone tissue formation around immediately loaded cylindrical implants in the rabbit. <i>Clinical Oral Implants Research</i> , 2007, 18, 471-480.	4.5	50
126	Influence of controlled immediate loading and implant design on peri-implant bone formation. <i>Journal of Clinical Periodontology</i> , 2007, 34, 172-81.	4.9	53



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127	A Finite Volume Spatial Discretisation for Taxis-Diffusion-Reaction Systems with Axi-Symmetry: Application to Fracture Healing. , 2007, , 299-311.		1
128	Mathematical modeling of fracture healing in mice: comparison between experimental data and numerical simulation results. Medical and Biological Engineering and Computing, 2006, 44, 280-289.	2.8	41
129	The influence of micro-motion on the tissue differentiation around immediately loaded cylindrical turned titanium implants. Archives of Oral Biology, 2006, 51, 1-9.	1.8	108
130	Numerical simulation of tissue differentiation around loaded titanium implants in a bone chamber. Journal of Biomechanics, 2004, 37, 763-769.	2.1	63
131	Assessment of Mechanobiological Models for the Numerical Simulation of Tissue Differentiation around Immediately Loaded Implants. Computer Methods in Biomechanics and Biomedical Engineering, 2003, 6, 277-288.	1.6	33
132	Computational analysis of high-throughput material screens. , 0, , 101-132.		0
133	Reproducible research in computational sciences: A use case for uncertainty quantification using Jupyter Notebooks. , 0, , .		0
134	Immuno-Modulatory Effects of Intervertebral Disc Cells. Frontiers in Cell and Developmental Biology, 0, 10, .	3.7	20