Ranieri Cancedda

List of Publications by Year
in descending order

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94 papers	11,990 citations	53794 45 h-index	51608 86 g-index
95 all docs	95 docs citations	95 times ranked	12899 citing authors

#	Article	IF	Citations
1	Repair of Large Bone Defects with the Use of Autologous Bone Marrow Stromal Cells. New England Journal of Medicine, 2001, 344, 385-386.	27.0	1,252
2	Long-term restoration of damaged corneal surfaces with autologous cultivated corneal epithelium. Lancet, The, 1997, 349, 990-993.	13.7	1,235
3	Proliferation kinetics and differentiation potential of ex vivo expanded human bone marrow stromal cells. Experimental Hematology, 2000, 28, 707-715.	0.4	662
4	Bone marrow mesenchymal progenitor cells inhibit lymphocyte proliferation by activation of the programmed death 1 pathway. European Journal of Immunology, 2005, 35, 1482-1490.	2.9	637
5	Cell therapy using allogeneic bone marrow mesenchymal stem cells prevents tissue damage in collagen-induced arthritis. Arthritis and Rheumatism, 2007, 56, 1175-1186.	6.7	533
6	Stem Cells Associated with Macroporous Bioceramics for Long Bone Repair: 6- to 7-Year Outcome of a Pilot Clinical Study. Tissue Engineering, 2007, 13, 947-955.	4.6	529
7	A tissue engineering approach to bone repair in large animal models and in clinical practice. Biomaterials, 2007, 28, 4240-4250.	11.4	465
8	Tissue engineering and cell therapy of cartilage and bone. Matrix Biology, 2003, 22, 81-91.	3.6	453
9	Role of scaffold internal structure on in vivo bone formation in macroporous calcium phosphate bioceramics. Biomaterials, 2006, 27, 3230-3237.	11.4	451
10	Mesenchymal Stem Cell-Derived Extracellular Vesicles as Mediators of Anti-Inflammatory Effects: Endorsement of Macrophage Polarization. Stem Cells Translational Medicine, 2017, 6, 1018-1028.	3.3	399
11	Fibroblast Growth Factor-2 Supports ex Vivo Expansion and Maintenance of Osteogenic Precursors from Human Bone Marrow*. Endocrinology, 1997, 138, 4456-4462.	2.8	387
12	Ex vivo enrichment of mesenchymal cell progenitors by fibroblast growth factor 2. Experimental Cell Research, 2003, 287, 98-105.	2.6	343
13	Chondrocyte Differentiation. International Review of Cytology, 1995, 159, 265-358.	6.2	318
14	Bone Marrow Stromal Cells (BMSCs) in Bone Engineering: Limitations and Recent Advances. Annals of Biomedical Engineering, 2004, 32, 160-165.	2.5	250
15	Replicative Aging and Gene Expression in Long-Term Cultures of Human Bone Marrow Stromal Cells. Tissue Engineering, 2002, 8, 901-910.	4.6	204
16	Cartilage and Bone Extracellular Matrix. Current Pharmaceutical Design, 2009, 15, 1334-1348.	1.9	199
17	N-CAM and N-Cadherin Expression during in Vitro Chondrogenesis. Experimental Cell Research, 1994, 215, 354-362.	2.6	178
18	Carrageenan-Based Hydrogels for the Controlled Delivery of PDGF-BB in Bone Tissue Engineering Applications. Biomacromolecules, 2009, 10, 1392-1401.	5.4	165

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19	Bone formation via cartilage models: The â€œborderlineâ€•chondrocyte. Matrix Biology, 1998, 17, 185-192.	3.6	162
20	Cell Therapy for Bone Disease: A Review of Current Status. Stem Cells, 2003, 21, 610-619.	3.2	141
21	Treatment of "Stable" Vitiligo by Timedsurgery and Transplantation of Cultured Epidermal Autografts. Archives of Dermatology, 2000, 136, 1380-9.	1.4	133
22	High-dose chemotherapy shows a dose-dependent toxicity to bone marrow osteoprogenitors. Cancer, 2001, 92, 2419-2428.	4.1	128
23	The development of tissue-engineered bone of different origin through endochondral and intramembranous ossification following the implantation of mesenchymal stem cells and osteoblasts in a murine model. Biomaterials, 2010, 31, 242-249.	11.4	121
24	Reconstruction of Extensive Long Bone Defects in Sheep Using Resorbable Bioceramics Based on Silicon Stabilized Tricalcium Phosphate. Tissue Engineering, 2006, 12, 1261-1273.	4.6	120
25	Hypertrophic chondrocytes undergo further differentiation to osteoblast-like cells and participate in the initial bone formation in developing chick embryo. Journal of Bone and Mineral Research, 1994, 9, 1239-1249.	2.8	118
26	Treatment of Posterior Hypospadias by the Autologous Graft of Cultured Urethral Epithelium. New England Journal of Medicine, 1990, 323, 527-530.	27.0	111
27	Bone Marrow Stromal Damage after Chemo/Radiotherapy: Occurrence, Consequences and Possibilities of Treatment. Leukemia and Lymphoma, 2001, 42, 863-870.	1.3	107
28	First Characterization of Human Amniotic Fluid Stem Cell Extracellular Vesicles as a Powerful Paracrine Tool Endowed with Regenerative Potential. Stem Cells Translational Medicine, 2017, 6, 1340-1355.	3.3	104
29	Development of sarcomas in mice implanted with mesenchymal stem cells seeded onto bioscaffolds. Carcinogenesis, 2009, 30, 150-157.	2.8	102
30	Mesenchymal Stem Cells Induce Functionally Active T-Regulatory Lymphocytes in a Paracrine Fashion and Ameliorate Experimental Autoimmune Uveitis. , 2012, 53, 786.		93
31	Recruitment of a Host's Osteoprogenitor Cells Using Exogenous Mesenchymal Stem Cells Seeded on Porous Ceramic. Tissue Engineering - Part A, 2009, 15, 2203-2212.	3.1	83
32	The role of bFGF on the ability of MSC to activate endogenous regenerative mechanisms in an ectopic bone formation model. Biomaterials, 2012, 33, 2086-2096.	11.4	80
33	Transplanted Umbilical Cord Mesenchymal Stem Cells Modify the In Vivo Microenvironment Enhancing Angiogenesis and Leading to Bone Regeneration. Stem Cells and Development, 2015, 24, 1570-1581.	2.1	80
34	Electrospun silk fibroin fibers for storage and controlled release of human platelet lysate. Acta Biomaterialia, 2018, 73, 365-376.	8.3	73
35	Serum-Free Growth Medium Sustains Commitment of Human Articular Chondrocyte through Maintenance of Sox9 Expression. Tissue Engineering, 2004, 10, 145-155.	4.6	72
36	Mesenchymal Stem Cell Paracrine Activity Is Modulated by Platelet Lysate: Induction of an Inflammatory Response and Secretion of Factors Maintaining Macrophages in a Proinflammatory Phenotype. Stem Cells and Development, 2014, 23, 1858-1869.	2.1	72

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37	Species Variability in the Differentiation Potential of in Vitro-Expanded Articular Chondrocytes Restricts Predictive Studies on Cartilage Repair Using Animal Models. Tissue Engineering, 2005, 11, 237-248.	4.6	65
38	Prefabricated Engineered Bone Flaps: An Experimental Model of Tissue Reconstruction in Plastic Surgery. Plastic and Reconstructive Surgery, 1998, 101, 577-581.	1.4	63
39	In Vivo Implanted Bone Marrow-Derived Mesenchymal Stem Cells Trigger a Cascade of Cellular Events Leading to the Formation of an Ectopic Bone Regenerative Niche. Stem Cells and Development, 2013, 22, 3178-3191.	2.1	60
40	The Regenerative Role of the Fetal and Adult Stem Cell Secretome. Journal of Clinical Medicine, 2013, 2, 302-327.	2.4	59
41	Microenvironment and stem properties of bone marrowâ€derived mesenchymal cells. Wound Repair and Regeneration, 2001, 9, 460-466.	3.0	58
42	The human amniotic fluid stem cell secretome effectively counteracts doxorubicin-induced cardiotoxicity. Scientific Reports, 2016, 6, 29994.	3.3	52
43	Depletion of cartilage collagen fibrils in mice carrying a dominant negative Col2a1 transgene affects chondrocyte differentiation. American Journal of Physiology - Cell Physiology, 2003, 285, C1504-C1512.	4.6	51
44	Activation of nervous system development genes in bone marrow derived mesenchymal stem cells following spaceflight exposure. Journal of Cellular Biochemistry, 2010, 111, 442-452.	2.6	48
45	Fluorescence Microscopy Imaging of Bone for Automated Histomorphometry. Tissue Engineering, 2002, 8, 847-852.	4.6	47
46	Skin physiology in microgravity: a 3-month stay aboard ISS induces dermal atrophy and affects cutaneous muscle and hair follicles cycling in mice. Npj Microgravity, 2015, 1, 15002.	3.7	44
47	Calcification of in vitro developed hypertrophic cartilage. Developmental Biology, 1989, 132, 442-447.	2.0	40
48	Heat-shock response in cultured chick embryo chondrocytes. Osteonectin is a secreted heat-shock protein. FEBS Journal, 1992, 205, 569-574.	0.2	38
49	Integrins Î±6AÎ²1 and Î±6BÎ²1 Promote Different Stages of Chondrogenic Cell Differentiation. Journal of Biological Chemistry, 2002, 277, 31612-31622.	3.4	38
50	Recruitment of hostâ€™s progenitor cells to sites of human amniotic fluid stem cells implantation. Biomaterials, 2011, 32, 4218-4227.	11.4	36
51	Platelet lysate activates quiescent cell proliferation and reprogramming in human articular cartilage: Involvement of hypoxia inducible factor 1. Journal of Tissue Engineering and Regenerative Medicine, 2018, 12, e1691-e1703.	2.7	36
52	Articular Chondrocyte Culturing for Cell-Based Cartilage Repair: Needs and Perspectives. Cells Tissues Organs, 2006, 184, 1-15.	2.3	33
53	SEM and 3D synchrotron radiation micro-tomography in the study of bioceramic scaffolds for tissue-engineering applications. Biotechnology and Bioengineering, 2007, 97, 638-648.	3.3	32
54	Metformin inhibition of neuroblastoma cell proliferation is differently modulated by cell differentiation induced by retinoic acid or overexpression of NDM29 non-coding RNA. Cancer Cell International, 2014, 14, 59.	4.1	30

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55	Allogeneic platelet-rich plasma affects monocyte differentiation to dendritic cells causing an anti-inflammatory microenvironment, putatively fostering wound healing. Journal of Tissue Engineering and Regenerative Medicine, 2018, 12, 30-43.	2.7	30
56	Constitutive myc expression impairs hypertrophy and calcification in cartilage. Developmental Biology, 1992, 149, 168-176.	2.0	27
57	Three dimensional visualization of engineered bone and soft tissue by combined x-ray micro-diffraction and phase contrast tomography. Physics in Medicine and Biology, 2014, 59, 189-201.	3.0	27
58	Ex-FABP: a fatty acid binding lipocalin developmentally regulated in chicken endochondral bone formation and myogenesis. BBA - Proteins and Proteomics, 2000, 1482, 127-135.	2.1	24
59	Bone mechanobiology, gravity and tissue engineering: effects and insights. Journal of Tissue Engineering and Regenerative Medicine, 2015, 9, 1339-1351.	2.7	24
60	Debye function analysis and 2D imaging of nanoscaled engineered bone. Biomaterials, 2010, 31, 8289-8298.	11.4	23
61	Synchrotron radiation techniques boost the research in bone tissue engineering. Acta Biomaterialia, 2019, 89, 33-46.	8.3	23
62	Learning from Mother Nature: Innovative Tools to Boost Endogenous Repair of Critical or Difficult-to-Heal Large Tissue Defects. Frontiers in Bioengineering and Biotechnology, 2017, 5, 28.	4.1	22
63	Osteogenic potential of rat spleen stromal cells. European Journal of Cell Biology, 2003, 82, 175-181.	3.6	21
64	Amniotic fluid stem cells in a bone microenvironment: Driving host angiogenic response. Stem Cell Research, 2013, 11, 540-551.	0.7	20
65	Human Articular Chondrocytes Regulate Immune Response by Affecting Directly T Cell Proliferation and Indirectly Inhibiting Monocyte Differentiation to Professional Antigen-Presenting Cells. Frontiers in Immunology, 2016, 7, 415.	4.8	20
66	Platelet-rich plasma-based bioactive membrane as a new advanced wound care tool. Journal of Tissue Engineering and Regenerative Medicine, 2018, 12, e82-e96.	2.7	20
67	Tissue engineering of bone. , 2008, , 559-610.		19
68	DLX5 overexpression impairs osteogenic differentiation of human bone marrow stromal cells. European Journal of Cell Biology, 2008, 87, 751-761.	3.6	18
69	Laminin Chain Expression by Chick Chondrocytes and Mouse Cartilaginous Tissuesin Vivoandin Vitro. Experimental Cell Research, 1997, 236, 212-222.	2.6	17
70	Toward the X-Ray Microdiffraction Imaging of Bone and Tissue-Engineered Bone. Tissue Engineering - Part B: Reviews, 2009, 15, 423-442.	4.8	14
71	Bone Marrow Stem Cells in Clinical Application: Harnessing Paracrine Roles and Niche Mechanisms. , 2010, 123, 265-292.		14
72	Dimethyl sulfoxide interferes with in vitro differentiation of chick embryo endochondral chondrocytes. Developmental Biology, 1988, 125, 234-236.	2.0	13

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73	A simple non invasive computerized method for the assessment of bone repair within osteoconductive porous bioceramic grafts. Biotechnology and Bioengineering, 2005, 92, 189-198.	3.3	13
74	A humanized system to expand in vitro amniotic fluid-derived stem cells intended for clinical application. Cytotherapy, 2016, 18, 438-451.	0.7	13
75	Identification of a New Cell Population Constitutively Circulating in Healthy Conditions and Endowed with a Homing Ability Toward Injured Sites. Scientific Reports, 2015, 5, 16574.	3.3	12
76	Circulating healing (CH) cells expressing BST2 are functionally activated by the injury-regulated systemic factor HGFA. Stem Cell Research and Therapy, 2018, 9, 300.	5.5	12
77	The amino terminal sequence of the developmentally regulated Ch21 protein shows homology with amino terminal sequences of low molecular weight proteins binding hydrophobic molecules. Biochemical and Biophysical Research Communications, 1990, 168, 933-938.	2.1	11
78	Host cell recruitment patterns by bone morphogenetic protein-2 releasing hyaluronic acid hydrogels in a mouse subcutaneous environment. Regenerative Medicine, 2017, 12, 525-539.	1.7	11
79	High-Resolution X-Ray Techniques as New Tool to Investigate the 3D Vascularization of Engineered-Bone Tissue. Frontiers in Bioengineering and Biotechnology, 2015, 3, 133.	4.1	10
80	Ex-FABP, extracellular fatty acid binding protein, is a stress lipocalin expressed during chicken embryo development. Molecular and Cellular Biochemistry, 2002, 239, 221-5.	3.1	10
81	Tissue Engineering Approaches in Skeletal Pediatric Disorders. European Journal of Pediatric Surgery, 2014, 24, 263-269.	1.3	9
82	Platelet Lysate Inhibits NF-Î°B Activation and Induces Proliferation and an Alert State in Quiescent Human Umbilical Vein Endothelial Cells Retaining Their Differentiation Capability. Cells, 2019, 8, 331.	4.1	9
83	Graft Materials and Bone Marrow Stromal Cells in Bone Tissue Engineering. Journal of Biomaterials Applications, 2012, 26, 1035-1049.	2.4	8
84	Betaâ€tricalcium phosphate ceramic triggers fast and robust bone formation by human mesenchymal stem cells. Journal of Tissue Engineering and Regenerative Medicine, 2019, 13, 1007-1018.	2.7	8
85	In Vitro and In Vivo Osteoinductive and Osteoconductive Properties of a Synthetic Bone Substitute. International Journal of Oral and Maxillofacial Implants, 2013, 28, e432-e439.	1.4	3
86	X-ray micro-beam techniques and phase contrast tomography applied to biomaterials. Nuclear Instruments & Methods in Physics Research B, 2015, 364, 93-97.	1.4	3
87	Expression of anchorin CII mRNA by cultured chondrocytes. Cytotechnology, 1991, 5, 41-44.	1.6	1
88	Differentiation-dependent activation of the extracellular fatty acid binding protein (Ex-FABP) gene during chondrogenesis. Journal of Cellular Physiology, 2004, 198, 144-154.	4.1	1
89	Cell source. , 2008, , 279-306.		1
90	Bone Regeneration and Bioengineering. , 2014, , 783-797.		1

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91	Ex-FABP, extracellular fatty acid binding protein, is a stress lipocalin expressed during chicken embryo development. , 2002, , 221-225.		1
92	Mesenchymal Stem Cells: Where Can You Find Them? How Can You Use Them?. , 2006, , 159-168.		1
93	REGENERATIVE MEDICINE AND TISSUE ENGINEERING. Istituto Lombardo - Accademia Di Scienze E Lettere - Incontri Di Studio, 1970, , 151-158.	0.0	0
94	Reconstruction of Extensive Long Bone Defects in Sheep Using Resorbable Bioceramics Based on Silicon Stabilized Tricalcium Phosphate. Tissue Engineering, 2006, .	4.6	0