MikaÃ«l M Martino

List of Publications by Year
in descending order

45 papers	5,784 citations	159358 30 h-index	243296 44 g-index
45 all docs	45 docs citations	45 times ranked	8810 citing authors

#	Article	IF	Citations
1	Modulation of the Activity of Stem and Progenitor Cells by Immune Cells. Stem Cells Translational Medicine, 2022, 11, 248-258.	1.6	12
2	Nociceptor-derived Reg3Î³ prevents endotoxic death by targeting kynurenine pathway in microglia. Cell Reports, 2022, 38, 110462.	2.9	6
3	Macrophages provide a transient muscle stem cell niche via NAMPT secretion. Nature, 2021, 591, 281-287.	13.7	111
4	Restoration of the healing microenvironment in diabetic wounds with matrix-binding IL-1 receptor antagonist. Communications Biology, 2021, 4, 422.	2.0	28
5	Growth factors with enhanced syndecan binding generate tonic signalling and promote tissue healing. Nature Biomedical Engineering, 2020, 4, 463-475.	11.6	53
6	Zinc Finger Protein St18 Protects against Septic Death by Inhibiting VEGF-A from Macrophages. Cell Reports, 2020, 32, 107906.	2.9	7
7	Enhancing the regenerative effectiveness of growth factors by local inhibition of interleukin-1 receptor signaling. Science Advances, 2020, 6, eaba7602.	4.7	16
8	Growth Factor Engineering Strategies for Regenerative Medicine Applications. Frontiers in Bioengineering and Biotechnology, 2019, 7, 469.	2.0	152
9	Immune Regulation of Skin Wound Healing: Mechanisms and Novel Therapeutic Targets. Advances in Wound Care, 2018, 7, 209-231.	2.6	350
10	Editorial: Vascularization for Regenerative Medicine. Frontiers in Bioengineering and Biotechnology, 2018, 6, 175.	2.0	10
11	The ATP Transporter VNUT Mediates Induction of Dectin-1-Triggered Candida Nociception. IScience, 2018, 6, 306-318.	1.9	43
12	Immune Regulation of Tissue Repair and Regeneration via miRNAsâ€"New Therapeutic Target. Frontiers in Bioengineering and Biotechnology, 2018, 6, 98.	2.0	21
13	Regulatory T-Cells: Potential Regulator of Tissue Repair and Regeneration. Frontiers in Immunology, 2018, 9, 585.	2.2	214
14	Promoting tissue regeneration by modulating the immune system. Acta Biomaterialia, 2017, 53, 13-28.	4.1	537
15	Cytoprotection, proliferation and epidermal differentiation of adipose tissue-derived stem cells on emu oil based electrospun nanofibrous mat. Experimental Cell Research, 2017, 357, 192-201.	1.2	55
16	Netrins as prophylactic targets in skeletal diseases: A double-edged sword?. Pharmacological Research, 2017, 122, 46-52.	3.1	4
17	Nociceptors Boost the Resolution of Fungal Osteoinflammation via the TRP Channel-CGRP-Jdp2 Axis. Cell Reports, 2017, 19, 2730-2742.	2.9	75
18	Inhibition of IL-1R1/MyD88 signalling promotes mesenchymal stem cell-driven tissue regeneration. Nature Communications, 2016, 7, 11051.	5.8	104

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19	Bone-protective Functions of Netrin 1 Protein. Journal of Biological Chemistry, 2016, 291, 23854-23868.	1.6	25
20	Design principles for therapeutic angiogenic materials. Nature Reviews Materials, 2016, 1, .	23.3	125
21	Extracellular Matrix and Growth Factor Engineering for Controlled Angiogenesis in Regenerative Medicine. Frontiers in Bioengineering and Biotechnology, 2015, 3, 45.	2.0	159
22	Extracellular Matrix-Inspired Growth Factor Delivery Systems for Skin Wound Healing. Advances in Wound Care, 2015, 4, 479-489.	2.6	187
23	5-Azacytidine-induced Protein 2 (AZI2) Regulates Bone Mass by Fine-tuning Osteoclast Survival. Journal of Biological Chemistry, 2015, 290, 9377-9386.	1.6	13
24	Extracellular matrix-inspired growth factor delivery systems for bone regeneration. Advanced Drug Delivery Reviews, 2015, 94, 41-52.	6.6	214
25	The TLR4 Agonist Fibronectin Extra Domain A is Cryptic, Exposed by Elastase-2; use in a fibrin matrix cancer vaccine. Scientific Reports, 2015, 5, 8569.	1.6	43
26	Fibrin gels engineered with proâ€angiogenic growth factors promote engraftment of pancreatic islets in extrahepatic sites in mice. Biotechnology and Bioengineering, 2015, 112, 1916-1926.	1.7	56
27	Controlled Release Strategies in Tissue Engineering. , 2014, , 347-392.		1
28	Growth Factors Engineered for Super-Affinity to the Extracellular Matrix Enhance Tissue Healing. Science, 2014, 343, 885-888.	6.0	406
29	Long-lasting fibrin matrices ensure stable and functional angiogenesis by highly tunable, sustained delivery of recombinant VEGF ‹sub›164‹/sub›. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, 6952-6957.	3.3	136
30	Bioluminescent and micro-computed tomography imaging of bone repair induced by fibrin-binding growth factors. Acta Biomaterialia, 2014, 10, 4377-4389.	4.1	21
31	In situ cell manipulation through enzymatic hydrogel photopatterning. Nature Materials, 2013, 12, 1072-1078.	13.3	282
32	Improving the osteogenic potential of BMP-2 with hyaluronic acid hydrogel modified with integrin-specific fibronectin fragment. Biomaterials, 2013, 34, 704-712.	5.7	102
33	The promotion of endothelial cell attachment and spreading using FNIII10 fused to VEGF-A165. Biomaterials, 2013, 34, 5958-5968.	5.7	39
34	Engineering the Regenerative Microenvironment with Biomaterials. Advanced Healthcare Materials, 2013, 2, 57-71.	3.9	329
35	Strawberry notch homologue 2 regulates osteoclast fusion by enhancing the expression of DC-STAMP. Journal of Experimental Medicine, 2013, 210, 1947-1960.	4.2	49
36	Heparin-binding domain of fibrin(ogen) binds growth factors and promotes tissue repair when incorporated within a synthetic matrix. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, 4563-4568.	3.3	401

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37	Proangiogenic Hydrogels Within Macroporous Scaffolds Enhance Islet Engraftment in an Extrahepatic Site. Tissue Engineering - Part A, 2013, 19, 2544-2552.	1.6	69
38	Fibronectin Binding Modulates CXCL11 Activity and Facilitates Wound Healing. PLoS ONE, 2013, 8, e79610.	1.1	26
39	Evaluation of Injectable Constructs for Bone Repair with a Subperiosteal Cranial Model in the Rat. PLoS ONE, 2013, 8, e71683.	1.1	22
40	Engineering the Growth Factor Microenvironment with Fibronectin Domains to Promote Wound and Bone Tissue Healing. Science Translational Medicine, 2011, 3, 100ra89.	5.8	391
41	PPS nanoparticles as versatile delivery system to induce systemic and broad mucosal immunity after intranasal administration. Vaccine, 2011, 29, 804-812.	1.7	64
42	Biomimetic materials in tissue engineering. Materials Today, 2010, 13, 14-22.	8.3	251
43	The 12thâ€“14th type III repeats of fibronectin function as a highly promiscuous growth factorâ€binding domain. FASEB Journal, 2010, 24, 4711-4721.	0.2	16
44	The 12thâ€“14th type III repeats of fibronectin function as a highly promiscuous growth factor-binding domain. FASEB Journal, 2010, 24, 4711-4721.	0.2	259
45	Controlling integrin specificity and stem cell differentiation in 2D and 3D environments through regulation of fibronectin domain stability. Biomaterials, 2009, 30, 1089-1097.	5.7	300