

# Mikañ«l M Martino

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/4795227/publications.pdf>

Version: 2024-02-01

45  
papers

5,784  
citations

159585

30  
h-index

243625

44  
g-index

45  
all docs

45  
docs citations

45  
times ranked

8810  
citing authors

#	ARTICLE	IF	CITATIONS
1	Promoting tissue regeneration by modulating the immune system. <i>Acta Biomaterialia</i> , 2017, 53, 13-28.	8.3	537
2	Growth Factors Engineered for Super-Affinity to the Extracellular Matrix Enhance Tissue Healing. <i>Science</i> , 2014, 343, 885-888.	12.6	406
3	Heparin-binding domain of fibrin(ogen) binds growth factors and promotes tissue repair when incorporated within a synthetic matrix. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013, 110, 4563-4568.	7.1	401
4	Engineering the Growth Factor Microenvironment with Fibronectin Domains to Promote Wound and Bone Tissue Healing. <i>Science Translational Medicine</i> , 2011, 3, 100ra89.	12.4	391
5	Immune Regulation of Skin Wound Healing: Mechanisms and Novel Therapeutic Targets. <i>Advances in Wound Care</i> , 2018, 7, 209-231.	5.1	350
6	Engineering the Regenerative Microenvironment with Biomaterials. <i>Advanced Healthcare Materials</i> , 2013, 2, 57-71.	7.6	329
7	Controlling integrin specificity and stem cell differentiation in 2D and 3D environments through regulation of fibronectin domain stability. <i>Biomaterials</i> , 2009, 30, 1089-1097.	11.4	300
8	In situ cell manipulation through enzymatic hydrogel photopatterning. <i>Nature Materials</i> , 2013, 12, 1072-1078.	27.5	282
9	The 12th–14th type III repeats of fibronectin function as a highly promiscuous growth factor-binding domain. <i>FASEB Journal</i> , 2010, 24, 4711-4721.	0.5	259
10	Biomimetic materials in tissue engineering. <i>Materials Today</i> , 2010, 13, 14-22.	14.2	251
11	Extracellular matrix-inspired growth factor delivery systems for bone regeneration. <i>Advanced Drug Delivery Reviews</i> , 2015, 94, 41-52.	13.7	214
12	Regulatory T-Cells: Potential Regulator of Tissue Repair and Regeneration. <i>Frontiers in Immunology</i> , 2018, 9, 585.	4.8	214
13	Extracellular Matrix-Inspired Growth Factor Delivery Systems for Skin Wound Healing. <i>Advances in Wound Care</i> , 2015, 4, 479-489.	5.1	187
14	Extracellular Matrix and Growth Factor Engineering for Controlled Angiogenesis in Regenerative Medicine. <i>Frontiers in Bioengineering and Biotechnology</i> , 2015, 3, 45.	4.1	159
15	Growth Factor Engineering Strategies for Regenerative Medicine Applications. <i>Frontiers in Bioengineering and Biotechnology</i> , 2019, 7, 469.	4.1	152
16	Long-lasting fibrin matrices ensure stable and functional angiogenesis by highly tunable, sustained delivery of recombinant VEGF <sub>164</sub> . <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014, 111, 6952-6957.	7.1	136
17	Design principles for therapeutic angiogenic materials. <i>Nature Reviews Materials</i> , 2016, 1, .	48.7	125
18	Macrophages provide a transient muscle stem cell niche via NAMPT secretion. <i>Nature</i> , 2021, 591, 281-287.	27.8	111

#	ARTICLE	IF	CITATIONS
19	Inhibition of IL-1R1/MyD88 signalling promotes mesenchymal stem cell-driven tissue regeneration. <i>Nature Communications</i> , 2016, 7, 11051.	12.8	104
20	Improving the osteogenic potential of BMP-2 with hyaluronic acid hydrogel modified with integrin-specific fibronectin fragment. <i>Biomaterials</i> , 2013, 34, 704-712.	11.4	102
21	Nociceptors Boost the Resolution of Fungal Osteoinflammation via the TRP Channel-CGRP-Jdp2 Axis. <i>Cell Reports</i> , 2017, 19, 2730-2742.	6.4	75
22	Proangiogenic Hydrogels Within Macroporous Scaffolds Enhance Islet Engraftment in an Extrahepatic Site. <i>Tissue Engineering - Part A</i> , 2013, 19, 2544-2552.	3.1	69
23	PPS nanoparticles as versatile delivery system to induce systemic and broad mucosal immunity after intranasal administration. <i>Vaccine</i> , 2011, 29, 804-812.	3.8	64
24	Fibrin gels engineered with pro-angiogenic growth factors promote engraftment of pancreatic islets in extrahepatic sites in mice. <i>Biotechnology and Bioengineering</i> , 2015, 112, 1916-1926.	3.3	56
25	Cytoprotection, proliferation and epidermal differentiation of adipose tissue-derived stem cells on emu oil based electrospun nanofibrous mat. <i>Experimental Cell Research</i> , 2017, 357, 192-201.	2.6	55
26	Growth factors with enhanced syndecan binding generate tonic signalling and promote tissue healing. <i>Nature Biomedical Engineering</i> , 2020, 4, 463-475.	22.5	53
27	Strawberry notch homologue 2 regulates osteoclast fusion by enhancing the expression of DC-STAMP. <i>Journal of Experimental Medicine</i> , 2013, 210, 1947-1960.	8.5	49
28	The TLR4 Agonist Fibronectin Extra Domain A is Cryptic, Exposed by Elastase-2; use in a fibrin matrix cancer vaccine. <i>Scientific Reports</i> , 2015, 5, 8569.	3.3	43
29	The ATP Transporter VNUT Mediates Induction of Dectin-1-Triggered Candida Nociception. <i>IScience</i> , 2018, 6, 306-318.	4.1	43
30	The promotion of endothelial cell attachment and spreading using FNIII10 fused to VEGF-A165. <i>Biomaterials</i> , 2013, 34, 5958-5968.	11.4	39
31	Restoration of the healing microenvironment in diabetic wounds with matrix-binding IL-1 receptor antagonist. <i>Communications Biology</i> , 2021, 4, 422.	4.4	28
32	Fibronectin Binding Modulates CXCL11 Activity and Facilitates Wound Healing. <i>PLoS ONE</i> , 2013, 8, e79610.	2.5	26
33	Bone-protective Functions of Netrin 1 Protein. <i>Journal of Biological Chemistry</i> , 2016, 291, 23854-23868.	3.4	25
34	Evaluation of Injectable Constructs for Bone Repair with a Subperiosteal Cranial Model in the Rat. <i>PLoS ONE</i> , 2013, 8, e71683.	2.5	22
35	Bioluminescent and micro-computed tomography imaging of bone repair induced by fibrin-binding growth factors. <i>Acta Biomaterialia</i> , 2014, 10, 4377-4389.	8.3	21
36	Immune Regulation of Tissue Repair and Regeneration via miRNAs – New Therapeutic Target. <i>Frontiers in Bioengineering and Biotechnology</i> , 2018, 6, 98.	4.1	21

#	ARTICLE	IF	CITATIONS
37	The 12th–14th type III repeats of fibronectin function as a highly promiscuous growth factor-binding domain. <i>FASEB Journal</i> , 2010, 24, 4711-4721.	0.5	16
38	Enhancing the regenerative effectiveness of growth factors by local inhibition of interleukin-1 receptor signaling. <i>Science Advances</i> , 2020, 6, eaba7602.	10.3	16
39	5-Azacytidine-induced Protein 2 (AZI2) Regulates Bone Mass by Fine-tuning Osteoclast Survival. <i>Journal of Biological Chemistry</i> , 2015, 290, 9377-9386.	3.4	13
40	Modulation of the Activity of Stem and Progenitor Cells by Immune Cells. <i>Stem Cells Translational Medicine</i> , 2022, 11, 248-258.	3.3	12
41	Editorial: Vascularization for Regenerative Medicine. <i>Frontiers in Bioengineering and Biotechnology</i> , 2018, 6, 175.	4.1	10
42	Zinc Finger Protein St18 Protects against Septic Death by Inhibiting VEGF-A from Macrophages. <i>Cell Reports</i> , 2020, 32, 107906.	6.4	7
43	Nociceptor-derived Reg3 $\beta$ prevents endotoxic death by targeting kynurenine pathway in microglia. <i>Cell Reports</i> , 2022, 38, 110462.	6.4	6
44	Netrins as prophylactic targets in skeletal diseases: A double-edged sword?. <i>Pharmacological Research</i> , 2017, 122, 46-52.	7.1	4
45	Controlled Release Strategies in Tissue Engineering. , 2014, , 347-392.		1