

Rui M A Domingues

List of Publications by Year in Descending Order

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

54
papers

1,788
citations

25
h-index

42
g-index

56
ext. papers

2,195
ext. citations

7.7
avg, IF

5.12
L-index

#	Paper	IF	Citations
54	The Tendon Microenvironment: Engineered In Vitro Models to Study Cellular Crosstalk.. <i>Advanced Drug Delivery Reviews</i> , 2022 , 114299	18.5	3
53	Epitope-imprinted polymers: Design principles of synthetic binding partners for natural biomacromolecules. <i>Science Advances</i> , 2021 , 7, eabi9884	14.3	4
52	Epitope-Imprinted Nanoparticles as Transforming Growth Factor- β Sequestering Ligands to Modulate Stem Cell Fate. <i>Advanced Functional Materials</i> , 2021 , 31, 2003934	15.6	10
51	Injectable hyaluronic acid and platelet lysate-derived granular hydrogels for biomedical applications. <i>Acta Biomaterialia</i> , 2021 , 119, 101-113	10.8	11
50	Engineering next-generation bioinks with nanoparticles: moving from reinforcement fillers to multifunctional nanoelements. <i>Journal of Materials Chemistry B</i> , 2021 , 9, 5025-5038	7.3	12
49	Magnetic Nanocomposite Hydrogels for Tissue Engineering: Design Concepts and Remote Actuation Strategies to Control Cell Fate. <i>ACS Nano</i> , 2021 , 15, 175-209	16.7	34
48	Multiscale Multifactorial Approaches for Engineering Tendon Substitutes. <i>Reference Series in Biomedical Engineering</i> , 2021 , 507-530		
47	Multifunctional Surfaces for Improving Soft Tissue Integration. <i>Advanced Healthcare Materials</i> , 2021 , 10, e2001985	10.1	4
46	Human Platelet Lysate-Loaded Poly(ethylene glycol) Hydrogels Induce Stem Cell Chemotaxis. <i>Biomacromolecules</i> , 2021 , 22, 3486-3496	6.9	6
45	Texturing Hierarchical Tissues by Gradient Assembling of Microengineered Platelet-Lysates Activated Fibers.. <i>Advanced Healthcare Materials</i> , 2021 , e2102076	10.1	1
44	Cellulose nanocrystals of variable sulfation degrees can sequester specific platelet lysate-derived biomolecules to modulate stem cell response. <i>Chemical Communications</i> , 2020 , 56, 6882-6885	5.8	5
43	Biomaterials for Sequestration of Growth Factors and Modulation of Cell Behavior. <i>Advanced Functional Materials</i> , 2020 , 30, 1909011	15.6	26
42	Multiscale Multifactorial Approaches for Engineering Tendon Substitutes 2020 , 1-24		
41	Natural Materials 2020 , 361-375		
40	Intrinsically Bioactive Cryogels Based on Platelet Lysate Nanocomposites for Hemostasis Applications. <i>Biomacromolecules</i> , 2020 , 21, 3678-3692	6.9	13
39	Natural-Based Hydrogels for Tissue Engineering Applications. <i>Molecules</i> , 2020 , 25,	4.8	22
38	Magneto-mechanical actuation of magnetic responsive fibrous scaffolds boosts tenogenesis of human adipose stem cells. <i>Nanoscale</i> , 2019 , 11, 18255-18271	7.7	38

37	Tropoelastin-Coated Tendon Biomimetic Scaffolds Promote Stem Cell Tenogenic Commitment and Deposition of Elastin-Rich Matrix. <i>ACS Applied Materials & Interfaces</i> , 2019 , 11, 19830-19840	9.5	23
36	Exploring platelet lysate hydrogel-coated suture threads as biofunctional composite living fibers for cell delivery in tissue repair. <i>Biomedical Materials (Bristol)</i> , 2019 , 14, 034104	3.5	11
35	Injectable and Magnetic Responsive Hydrogels with Bioinspired Ordered Structures. <i>ACS Biomaterials Science and Engineering</i> , 2019 , 5, 1392-1404	5.5	34
34	Tuneable cellulose nanocrystal and tropoelastin-laden hyaluronic acid hydrogels. <i>Journal of Biomaterials Applications</i> , 2019 , 34, 560-572	2.9	2
33	Future Directions: What the Future Holds for TERM 2019 , 1-1		
32	Biphasic Hydrogels Integrating Mineralized and Anisotropic Features for Interfacial Tissue Engineering. <i>ACS Applied Materials & Interfaces</i> , 2019 , 11, 47771-47784	9.5	27
31	Human platelet lysate-based nanocomposite bioink for bioprinting hierarchical fibrillar structures. <i>Biofabrication</i> , 2019 , 12, 015012	10.5	32
30	Engineering magnetically responsive tropoelastin spongy-like hydrogels for soft tissue regeneration. <i>Journal of Materials Chemistry B</i> , 2018 , 6, 1066-1075	7.3	9
29	Blood derivatives awaken in regenerative medicine strategies to modulate wound healing. <i>Advanced Drug Delivery Reviews</i> , 2018 , 129, 376-393	18.5	38
28	Multifunctional magnetic-responsive hydrogels to engineer tendon-to-bone interface. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , 2018 , 14, 2375-2385	6	49
27	Injectable and tunable hyaluronic acid hydrogels releasing chemotactic and angiogenic growth factors for endodontic regeneration. <i>Acta Biomaterialia</i> , 2018 , 77, 155-171	10.8	66
26	Cell-laden composite suture threads for repairing damaged tendons. <i>Journal of Tissue Engineering and Regenerative Medicine</i> , 2018 , 12, 1039-1048	4.4	20
25	Exploring inhalable polymeric dry powders for anti-tuberculosis drug delivery. <i>Materials Science and Engineering C</i> , 2018 , 93, 1090-1103	8.3	15
24	Human-based fibrillar nanocomposite hydrogels as bioinstructive matrices to tune stem cell behavior. <i>Nanoscale</i> , 2018 , 10, 17388-17401	7.7	28
23	Development of Inhalable Superparamagnetic Iron Oxide Nanoparticles (SPIONs) in Microparticulate System for Antituberculosis Drug Delivery. <i>Advanced Healthcare Materials</i> , 2018 , 7, e1800124	10.1	25
22	Injectable Hyaluronic Acid Hydrogels Enriched with Platelet Lysate as a Cryostable Off-the-Shelf System for Cell-Based Therapies. <i>Regenerative Engineering and Translational Medicine</i> , 2017 , 3, 53-69	2.4	12
21	Tissue Engineering and Regenerative Medicine: New Trends and Directions-A Year in Review. <i>Tissue Engineering - Part B: Reviews</i> , 2017 , 23, 211-224	7.9	106
20	3D Mimicry of Native-Tissue-Fiber Architecture Guides Tendon-Derived Cells and Adipose Stem Cells into Artificial Tendon Constructs. <i>Small</i> , 2017 , 13, 1700689	11	74

19	Secondary metabolites from <i>Eucalyptus grandis</i> wood cultivated in Portugal, Brazil and South Africa. <i>Industrial Crops and Products</i> , 2017 , 95, 357-364	5.9	21
18	Biomaterials as Tendon and Ligament Substitutes: Current Developments. <i>Studies in Mechanobiology, Tissue Engineering and Biomaterials</i> , 2017 , 349-371	0.5	12
17	Enhancing the Biomechanical Performance of Anisotropic Nanofibrous Scaffolds in Tendon Tissue Engineering: Reinforcement with Cellulose Nanocrystals. <i>Advanced Healthcare Materials</i> , 2016 , 5, 1364-75	10.1	72
16	Development of Injectable Hyaluronic Acid/Cellulose Nanocrystals Bionanocomposite Hydrogels for Tissue Engineering Applications. <i>Bioconjugate Chemistry</i> , 2015 , 26, 1571-81	6.3	138
15	Fabrication of Hierarchical and Biomimetic Fibrous Structures to Support the Regeneration of Tendon Tissues 2015 , 259-280		5
14	Scale-up studies of the supercritical fluid extraction of triterpenic acids from <i>Eucalyptus globulus</i> bark. <i>Journal of Supercritical Fluids</i> , 2014 , 95, 44-50	4.2	28
13	The potential of cellulose nanocrystals in tissue engineering strategies. <i>Biomacromolecules</i> , 2014 , 15, 2327-46	6.9	344
12	Bioactive Triterpenic Acids: From Agroforestry Biomass Residues to Promising Therapeutic Tools. <i>Mini-Reviews in Organic Chemistry</i> , 2014 , 11, 382-399	1.7	43
11	Extraction and Purification of Triterpenoids using Supercritical Fluids: From Lab to Exploitation. <i>Mini-Reviews in Organic Chemistry</i> , 2014 , 11, 362-381	1.7	16
10	Lipophilic extractives from the bark of <i>Eucalyptus grandis</i> x <i>globulus</i> , a rich source of methyl morolate: Selective extraction with supercritical CO ₂ . <i>Industrial Crops and Products</i> , 2013 , 43, 340-348	5.9	30
9	Optimization of the supercritical fluid extraction of triterpenic acids from <i>Eucalyptus globulus</i> bark using experimental design. <i>Journal of Supercritical Fluids</i> , 2013 , 74, 105-114	4.2	58
8	Measurement and modeling of supercritical fluid extraction curves of <i>Eucalyptus globulus</i> bark: Influence of the operating conditions upon yields and extract composition. <i>Journal of Supercritical Fluids</i> , 2012 , 72, 176-185	4.2	27
7	Supercritical fluid extraction of <i>Eucalyptus globulus</i> bark-A promising approach for triterpenoid production. <i>International Journal of Molecular Sciences</i> , 2012 , 13, 7648-62	6.3	42
6	High value triterpenic compounds from the outer barks of several <i>Eucalyptus</i> species cultivated in Brazil and in Portugal. <i>Industrial Crops and Products</i> , 2011 , 33, 158-164	5.9	65
5	<i>Eucalyptus globulus</i> biomass residues from pulping industry as a source of high value triterpenic compounds. <i>Industrial Crops and Products</i> , 2010 , 31, 65-70	5.9	68
4	Catalytic activity of tetravalent metal phosphates and phosphonates on the oxidation of (+)-3-carene. <i>Applied Catalysis A: General</i> , 2009 , 353, 236-242	5.1	5
3	<i>Miscanthus x giganteus</i> extractives: a source of valuable phenolic compounds and sterols. <i>Journal of Agricultural and Food Chemistry</i> , 2009 , 57, 3626-31	5.7	41
2	3D Bioprinting of Miniaturized Tissues Embedded in Self-Assembled Nanoparticle-Based Fibrillar Platforms. <i>Advanced Functional Materials</i> , 2104245	15.6	6

- 1 Bioengineered 3D living fibers as in vitro human tissue models of tendon physiology and pathology. *Advanced Healthcare Materials*,2102863 10.1 5