

Michael Raghunath

List of Publications by Year in descending order

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137
papers

7,273
citations

50244

46
h-index

62565

80
g-index

143
all docs

143
docs citations

143
times ranked

9213
citing authors

#	ARTICLE	IF	CITATIONS
1	The Collagen Suprafamily: From Biosynthesis to Advanced Biomaterial Development. <i>Advanced Materials</i> , 2019, 31, e1801651.	11.1	595
2	Electro-spinning of pure collagen nano-fibres – Just an expensive way to make gelatin?. <i>Biomaterials</i> , 2008, 29, 2293-2305.	5.7	538
3	Concise Review: Multifaceted Characterization of Human Mesenchymal Stem Cells for Use in Regenerative Medicine. <i>Stem Cells Translational Medicine</i> , 2017, 6, 2173-2185.	1.6	502
4	Establishing Criteria for Human Mesenchymal Stem Cell Potency. <i>Stem Cells</i> , 2015, 33, 1878-1891.	1.4	163
5	Applying macromolecular crowding to enhance extracellular matrix deposition and its remodeling in vitro for tissue engineering and cell-based therapies. <i>Advanced Drug Delivery Reviews</i> , 2011, 63, 277-290.	6.6	155
6	Macromolecular Crowding Meets Tissue Engineering by Self-Assembly: A Paradigm Shift in Regenerative Medicine. <i>Advanced Materials</i> , 2014, 26, 3024-3034.	11.1	147
7	Two Forms of Collagen XVII in Keratinocytes. <i>Journal of Biological Chemistry</i> , 1998, 273, 25937-25943.	1.6	145
8	Collagen matrix deposition is dramatically enhanced in vitro when crowded with charged macromolecules: The biological relevance of the excluded volume effect. <i>FEBS Letters</i> , 2007, 581, 2709-2714.	1.3	137
9	The Scar – Jar: studying potential antifibrotic compounds from the epigenetic to extracellular level in a single well. <i>British Journal of Pharmacology</i> , 2009, 158, 1196-1209.	2.7	136
10	Not All MSCs Can Act as Pericytes: Functional In Vitro Assays to Distinguish Pericytes from Other Mesenchymal Stem Cells in Angiogenesis. <i>Stem Cells and Development</i> , 2013, 22, 2347-2355.	1.1	135
11	Delayed Triple Helix Formation of Mutant Collagen from Patient with Osteogenesis Imperfecta. <i>Journal of Molecular Biology</i> , 1994, 236, 940-949.	2.0	126
12	Focus on collagen: in vitro systems to study fibrogenesis and antifibrosis – state of the art. <i>Fibrogenesis and Tissue Repair</i> , 2009, 2, 7.	3.4	116
13	Current and upcoming therapies to modulate skin scarring and fibrosis. <i>Advanced Drug Delivery Reviews</i> , 2019, 146, 37-59.	6.6	114
14	The Tight Skin Mouse: Demonstration of Mutant Fibrillin-1 Production and Assembly into Abnormal Microfibrils. <i>Journal of Cell Biology</i> , 1998, 140, 1159-1166.	2.3	109
15	Self-Healing Collodion Baby: a Dynamic Phenotype Explained by a Particular Transglutaminase-1 Mutation. <i>Journal of Investigative Dermatology</i> , 2003, 120, 224-228.	0.3	101
16	Macromolecular Crowding Directs Extracellular Matrix Organization and Mesenchymal Stem Cell Behavior. <i>PLoS ONE</i> , 2012, 7, e37904.	1.1	101
17	SPINK5 and Netherton Syndrome: Novel Mutations, Demonstration of Missing LEKTI, and Differential Expression of Transglutaminases. <i>Journal of Investigative Dermatology</i> , 2004, 123, 474-483.	0.3	96
18	In Vitro Enhancement of Collagen Matrix Formation and Crosslinking for Applications in Tissue Engineering: A Preliminary Study. <i>Tissue Engineering</i> , 2007, 13, 385-391.	4.9	96

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19	Macromolecularly crowded in vitro microenvironments accelerate the production of extracellular matrix-rich supramolecular assemblies. <i>Scientific Reports</i> , 2015, 5, 8729.	1.6	94
20	Cross-linking of the dermo-epidermal junction of skin regenerating from keratinocyte autografts. Anchoring fibrils are a target for tissue transglutaminase.. <i>Journal of Clinical Investigation</i> , 1996, 98, 1174-1184.	3.9	93
21	Collagen Metabolism Is a Novel Target of the Neuropeptide α -Melanocyte-stimulating Hormone. <i>Journal of Biological Chemistry</i> , 2004, 279, 6959-6966.	1.6	91
22	Microcapsules engineered to support mesenchymal stem cell (MSC) survival and proliferation enable long-term retention of MSCs in infarcted myocardium. <i>Biomaterials</i> , 2015, 53, 12-24.	5.7	86
23	Suberoylanilide hydroxamic acid: a potential epigenetic therapeutic agent for lung fibrosis?. <i>European Respiratory Journal</i> , 2009, 34, 145-155.	3.1	79
24	Biomimetic surface modification of titanium surfaces for early cell capture by advanced electrospinning. <i>Biomedical Materials (Bristol)</i> , 2012, 7, 015001.	1.7	78
25	RGB-Color Intensiometric Indicators to Visualize Spatiotemporal Dynamics of ATP in Single Cells. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 10873-10878.	7.2	78
26	The Cutaneous Microfibrillar Apparatus Contains Latent Transforming Growth Factor- β 2 Binding Protein-1 (LTBP-1) and is a Repository for Latent TGF- β 2. <i>Journal of Investigative Dermatology</i> , 1998, 111, 559-564.	0.3	77
27	Effects of nanotopography on stem cell phenotypes. <i>World Journal of Stem Cells</i> , 2009, 1, 55.	1.3	77
28	Optical visualisation of thermogenesis in stimulated single-cell brown adipocytes. <i>Scientific Reports</i> , 2017, 7, 1383.	1.6	77
29	Fibrillin and Elastin Expression in Skin Regenerating From Cultured Keratinocyte Autografts: Morphogenesis of Microfibrils Begins At the Dermo-epidermal Junction and Precedes Elastic Fiber Formation. <i>Journal of Investigative Dermatology</i> , 1996, 106, 1090-1095.	0.3	74
30	A Rare Branch-Point Mutation Is Associated with Missplicing of Fibrillin-2 in a Large Family with Congenital Contractural Arachnodactyly. <i>American Journal of Human Genetics</i> , 1997, 60, 1389-1398.	2.6	73
31	A novel in situ method for the detection of deficient transglutaminase activity in the skin. <i>Archives of Dermatological Research</i> , 1998, 290, 621-627.	1.1	73
32	Some, but Not All, Glycine Substitution Mutations in COL7A1 Result in Intracellular Accumulation of Collagen VII, Loss of Anchoring Fibrils, and Skin Blistering. <i>Journal of Biological Chemistry</i> , 1998, 273, 19228-19234.	1.6	73
33	Transient Bullous Dermolysis of the Newborn Associated with Compound Heterozygosity for Recessive and Dominant COL7A1 Mutations. <i>Journal of Investigative Dermatology</i> , 1998, 111, 1214-1219.	0.3	68
34	Matrix Components and Scaffolds for Sustained Islet Function. <i>Tissue Engineering - Part B: Reviews</i> , 2011, 17, 235-247.	2.5	66
35	Evaluation of the Biocompatibility of PLACL/Collagen Nanostructured Matrices with Cardiomyocytes as a Model for the Regeneration of Infarcted Myocardium. <i>Advanced Functional Materials</i> , 2011, 21, 2291-2300.	7.8	64
36	Novel Use for Polyvinylpyrrolidone as a Macromolecular Crowder for Enhanced Extracellular Matrix Deposition and Cell Proliferation. <i>Tissue Engineering - Part C: Methods</i> , 2014, 20, 994-1002.	1.1	63

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37	Macromolecular Crowding Amplifies Adipogenesis of Human Bone Marrow-Derived Mesenchymal Stem Cells by Enhancing the Pro-Adipogenic Microenvironment. <i>Tissue Engineering - Part A</i> , 2014, 20, 966-981.	1.6	63
38	Essential modification of the Sircol Collagen Assay for the accurate quantification of collagen content in complex protein solutions. <i>Acta Biomaterialia</i> , 2010, 6, 3146-3151.	4.1	59
39	Accelerated Development of Supramolecular Corneal Stromal-Like Assemblies from Corneal Fibroblasts in the Presence of Macromolecular Crowders. <i>Tissue Engineering - Part C: Methods</i> , 2015, 21, 660-670.	1.1	58
40	Decreased extracellular deposition of fibrillin and decorin in neonatal Marfan syndrome fibroblasts. <i>Human Genetics</i> , 1993, 90, 511-5.	1.8	56
41	Pharmacologically induced angiogenesis in transgenic zebrafish. <i>Biochemical and Biophysical Research Communications</i> , 2009, 378, 766-771.	1.0	53
42	Macromolecular crowding gives rise to microviscosity, anomalous diffusion and accelerated actin polymerization. <i>Physical Biology</i> , 2015, 12, 034001.	0.8	53
43	Making More Matrix: Enhancing the Deposition of Dermal Epidermal Junction Components <i>In Vitro</i> and Accelerating Organotypic Skin Culture Development, Using Macromolecular Crowding. <i>Tissue Engineering - Part A</i> , 2015, 21, 183-192.	1.6	52
44	Prenatal Diagnosis of Collagen Disorders by Direct Biochemical Analysis of Chorionic Villus Biopsies. <i>Pediatric Research</i> , 1994, 36, 441-448.	1.1	51
45	A Point Mutation Creating an Extra N-Glycosylation Site in Fibrillin-1 Results in Neonatal Marfan Syndrome. <i>Genomics</i> , 1996, 36, 468-475.	1.3	51
46	Efficacy of cultured epithelial autografts in pediatric burns and reconstructive surgery. <i>Surgery</i> , 1997, 121, 654-661.	1.0	48
47	Tuning the architecture of three-dimensional collagen hydrogels by physiological macromolecular crowding. <i>Acta Biomaterialia</i> , 2014, 10, 4351-4359.	4.1	48
48	Pyridinedicarboxylates, the first mechanism-derived inhibitors for prolyl 4-hydroxylase, selectively suppress cellular hydroxyprolyl biosynthesis. Decrease in interstitial collagen and Clq secretion in cell culture. <i>Biochemical Journal</i> , 1987, 248, 625-633.	1.7	47
49	Telomere length analysis of human mesenchymal stem cells by quantitative PCR. <i>Gene</i> , 2013, 519, 348-355.	1.0	47
50	Emulating a crowded intracellular environment in vitro dramatically improves RT-PCR performance. <i>Biochemical and Biophysical Research Communications</i> , 2007, 363, 171-177.	1.0	46
51	Collagen solubility testing, a quality assurance step for reproducible electro-spun nano-fibre fabrication. A technical note. <i>Journal of Biomaterials Science, Polymer Edition</i> , 2008, 19, 1307-1317.	1.9	44
52	Simultaneous Delivery of Highly Diverse Bioactive Compounds from Blend Electrospun Fibers for Skin Wound Healing. <i>Bioconjugate Chemistry</i> , 2015, 26, 1348-1358.	1.8	43
53	Defensins HNP1 and HBD2 Stimulation of Wound-Associated Responses in Human Conjunctival Fibroblasts. , 2006, 47, 3811.		42
54	Early adhesive behavior of bone-marrow-derived mesenchymal stem cells on collagen electrospun fibers. <i>Biomedical Materials (Bristol)</i> , 2009, 4, 035006.	1.7	41

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55	Elastomeric electrospun scaffolds of poly(L-lactide-co-trimethylene carbonate) for myocardial tissue engineering. <i>Journal of Materials Science: Materials in Medicine</i> , 2011, 22, 1689-1699.	1.7	41
56	Human Dermal Fibroblasts Express Prohormone Convertases 1 and 2 and Produce Proopiomelanocortin-Derived Peptides. <i>Journal of Investigative Dermatology</i> , 2001, 117, 227-235.	0.3	40
57	ECM microenvironment unlocks brown adipogenic potential of adult human bone marrow-derived MSCs. <i>Scientific Reports</i> , 2016, 6, 21173.	1.6	39
58	Homozygous Gly530Ser substitution in COL5A1 causes mild classical Ehlers-Danlos syndrome. <i>American Journal of Medical Genetics Part A</i> , 2002, 109, 284-290.	2.4	38
59	Genetic counselling on brittle grounds: Recurring osteogenesis imperfecta due to parental mosaicism for a dominant mutation. <i>European Journal of Pediatrics</i> , 1995, 154, 123-129.	1.3	37
60	The physiological relevance of wet versus dry differential scanning calorimetry for biomaterial evaluation: a technical note. <i>Polymer International</i> , 2010, 59, 1403-1407.	1.6	37
61	Understanding how the crowded interior of cells stabilizes DNA/DNA and DNA/RNA hybrids – in silico predictions and in vitro evidence. <i>Nucleic Acids Research</i> , 2010, 38, 172-181.	6.5	37
62	Making microenvironments: A look into incorporating macromolecular crowding into in vitro experiments, to generate biomimetic microenvironments which are capable of directing cell function for tissue engineering applications. <i>Journal of Tissue Engineering</i> , 2017, 8, 204173141773046.	2.3	34
63	Confocal Laser Scanning Analysis of the Association of Fibulin-2 with Fibrillin-1 and Fibronectin Define Different Stages of Skin Regeneration. <i>Journal of Investigative Dermatology</i> , 1999, 112, 97-101.	0.3	33
64	TRP channels in brown and white adipogenesis from human progenitors: new therapeutic targets and the caveats associated with the common antibiotic, streptomycin. <i>FASEB Journal</i> , 2017, 31, 3251-3266.	0.2	32
65	Gly802Asp Substitution in the pro α 2(I) Collagen Chain in a Family with Recurrent Osteogenesis imperfecta due to Paternal Mosaicism. <i>European Journal of Human Genetics</i> , 1996, 4, 39-45.	1.4	32
66	Truncated Profilin of a Marfan Patient is of Apparent Similar Size as Fibrillin: Intracellular Retention Leads to over-N-glycosylation. <i>Journal of Molecular Biology</i> , 1995, 248, 901-909.	2.0	31
67	Human fibroblast matrices bio-assembled under macromolecular crowding support stable propagation of human embryonic stem cells. <i>Journal of Tissue Engineering and Regenerative Medicine</i> , 2012, 6, e74-e86.	1.3	31
68	Analyses of truncated fibrillin caused by a 366 bp deletion in the FBN1 gene resulting in Marfan syndrome. <i>Biochemical Journal</i> , 1994, 302, 889-896.	1.7	30
69	A case report of a patient with features of systemic lupus erythematosus and linear IgA disease. <i>British Journal of Dermatology</i> , 1991, 124, 498-502.	1.4	29
70	The controversial origin of pericytes during angiogenesis – Implications for cell-based therapeutic angiogenesis and cell-based therapies. <i>Clinical Hemorheology and Microcirculation</i> , 2018, 69, 215-232.	0.9	29
71	Macromolecular dextran sulfate facilitates extracellular matrix deposition by electrostatic interaction independent from a macromolecular crowding effect. <i>Materials Science and Engineering C</i> , 2020, 106, 110280.	3.8	29
72	Genetic and immunohistochemical detection of mutations inactivating the keratinocyte transglutaminase in patients with lamellar ichthyosis. <i>Human Genetics</i> , 1998, 102, 314-318.	1.8	28

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73	Sourcing of an Alternative Pericyte-Like Cell Type from Peripheral Blood in Clinically Relevant Numbers for Therapeutic Angiogenic Applications. <i>Molecular Therapy</i> , 2015, 23, 510-522.	3.7	28
74	The synergistic effect of low oxygen tension and macromolecular crowding in the development of extracellular matrix-rich tendon equivalents. <i>Biofabrication</i> , 2020, 12, 025018.	3.7	28
75	Burns (Part 2). <i>Pediatric Surgery International</i> , 1997, 12, 471-477.	0.6	28
76	<i>In vitro</i> evaluation of Ficoll-enriched and genipin-stabilised collagen scaffolds. <i>Journal of Tissue Engineering and Regenerative Medicine</i> , 2014, 8, 233-241.	1.3	27
77	Synergistic Rate Boosting of Collagen Fibrillogenesis in Heterogeneous Mixtures of Crowding Agents. <i>Journal of Physical Chemistry B</i> , 2015, 119, 4350-4358.	1.2	27
78	In Vitro Expansion of Keratinocytes on Human Dermal Fibroblast-Derived Matrix Retains Their Stem-Like Characteristics. <i>Scientific Reports</i> , 2019, 9, 18561.	1.6	27
79	Tissue adhesives in ocular surgery. <i>Expert Review of Ophthalmology</i> , 2011, 6, 631-655.	0.3	26
80	Fibrillar fibronectin plays a key role as nucleator of collagen I polymerization during macromolecular crowding-enhanced matrix assembly. <i>Biomaterials Science</i> , 2019, 7, 4519-4535.	2.6	26
81	MACROMOLECULAR CROWDING IN BIOLOGICAL SYSTEMS: DYNAMIC LIGHT SCATTERING (DLS) TO QUANTIFY THE EXCLUDED VOLUME EFFECT (EVE). <i>Biophysical Reviews and Letters</i> , 2006, 01, 317-325.	0.9	24
82	Transforming eukaryotic cell culture with macromolecular crowding. <i>Trends in Biochemical Sciences</i> , 2021, 46, 805-811.	3.7	24
83	Prenatal diagnosis of marfan syndrome: Identification of a fibrillin-1 mutation in chorionic villus sample. <i>Prenatal Diagnosis</i> , 1995, 15, 1176-1181.	1.1	23
84	Multimodal biomaterial strategies for regeneration of infarcted myocardium. <i>Journal of Materials Chemistry</i> , 2010, 20, 8819.	6.7	23
85	Assembly of biomacromolecule loaded polyelectrolyte multilayer capsules by using water soluble sacrificial templates. <i>Soft Matter</i> , 2012, 8, 2760.	1.2	23
86	Effects of Macromolecular Crowding on Human Adipose Stem Cell Culture in Fetal Bovine Serum, Human Serum, and Defined Xeno-Free/Serum-Free Conditions. <i>Stem Cells International</i> , 2017, 2017, 1-14.	1.2	23
87	Permanent Hydrophilization and Generic Bioactivation of Melt Electrowritten Scaffolds. <i>Advanced Healthcare Materials</i> , 2019, 8, e1801544.	3.9	23
88	Deficiencies of fibrillin and decorin in fibroblast cultures of a patient with neonatal Marfan syndrome.. <i>Journal of Medical Genetics</i> , 1992, 29, 875-878.	1.5	22
89	Plasminogen activator inhibitor-2 is expressed in different types of congenital ichthyosis: in vivo evidence for its cross-linking into the cornified cell envelope by transglutaminase-1. <i>British Journal of Dermatology</i> , 2006, 154, 860-867.	1.4	22
90	Complementary effects of ciclopirox olamine, a prolyl hydroxylase inhibitor and sphingosine 1-phosphate on fibroblasts and endothelial cells in driving capillary sprouting. <i>Integrative Biology (United Kingdom)</i> , 2013, 5, 1474.	0.6	22

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91	An <i>in situ</i> and <i>in vitro</i> investigation for the transglutaminase potential in tissue engineering. <i>Journal of Biomedical Materials Research - Part A</i> , 2010, 92A, 1310-1320.	2.1	21
92	Intracellular Accumulation of Collagen VII in Cultured Keratinocytes from a Patient with Dominant Dystrophic Epidermolysis Bullosa. <i>Journal of Investigative Dermatology</i> , 1994, 102, 105-110.	0.3	19
93	Cultured epithelial autografts: diving from surgery into matrix biology. <i>Pediatric Surgery International</i> , 1997, 12, 478-483.	0.6	19
94	Collagen Quantification in Tissue Specimens. <i>Methods in Molecular Biology</i> , 2017, 1627, 341-350.	0.4	19
95	Ca ²⁺ -associated triphasic pH changes in mitochondria during brown adipocyte activation. <i>Molecular Metabolism</i> , 2017, 6, 797-808.	3.0	19
96	Serine Proteinase Inhibitors in the Skin: Role in Homeostasis and Disease. <i>Current Protein and Peptide Science</i> , 2005, 6, 241-254.	0.7	18
97	Wound healing and scar wars. <i>Advanced Drug Delivery Reviews</i> , 2018, 129, 1-3.	6.6	17
98	Interleukin-6-Resistant Melanoma Cells Exhibit Reduced Activation of STAT3 and Lack of Inhibition of Cyclin E-Associated Kinase Activity. <i>Journal of Investigative Dermatology</i> , 2001, 117, 132-140.	0.3	16
99	Differential Effects of the Extracellular Microenvironment on Human Embryonic Stem Cell Differentiation into Keratinocytes and Their Subsequent Replicative Life Span. <i>Tissue Engineering - Part A</i> , 2015, 21, 1432-1443.	1.6	16
100	SSCP detection of a Gly565Val substitution in the pro α 1(I) collagen chain resulting in osteogenesis imperfecta type II. <i>Human Genetics</i> , 1993, 91, 439-44.	1.8	13
101	Local pharmacological induction of angiogenesis: Drugs for cells and cells as drugs. <i>Advanced Drug Delivery Reviews</i> , 2019, 146, 126-154.	6.6	13
102	Of balls, inks and cages: Hybrid biofabrication of 3D tissue analogs. <i>International Journal of Bioprinting</i> , 2018, 5, 167.	1.7	13
103	An Intronic Deletion Leading to Skipping of Exon 21 of Col1a2 in a Boy with Mild Osteogenesis Imperfecta. <i>Connective Tissue Research</i> , 1993, 29, 31-40.	1.1	11
104	Macromolecular crowding in vitro as means of emulating cellular interiors: When less might be more. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2008, 105, E119-E119.	3.3	11
105	Combination of ciclopirox olamine and sphingosine-1-phosphate as granulation enhancer in diabetic wounds. <i>Wound Repair and Regeneration</i> , 2016, 24, 795-809.	1.5	11
106	Improving 2D and 3D Skin & In Vitro Models Using Macromolecular Crowding. <i>Journal of Visualized Experiments</i> , 2016, , .	0.2	11
107	Enhancing the Efficacy of Stem Cell Therapy with Glycosaminoglycans. <i>Stem Cell Reports</i> , 2020, 14, 105-121.	2.3	10
108	Ehlers-Danlos Syndrome Type VI (EDS VI): problems of diagnosis and management. <i>Acta Paediatrica, International Journal of Paediatrics</i> , 1998, 87, 708-10.	0.7	10

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109	Nanofiber Patent Landscape. <i>Recent Patents on Nanotechnology</i> , 2007, 1, 137-144.	0.7	9
110	Cellular re- and de-programming by microenvironmental memory: why short TGF- β 1 pulses can have long effects. <i>Fibrogenesis and Tissue Repair</i> , 2013, 6, 12.	3.4	9
111	Growing Human Dermal Fibroblasts as Spheroids Renders Them Susceptible for Early Expression of Pluripotency Genes. <i>Advanced Biology</i> , 2019, 3, 1900094.	3.0	9
112	Biomaterial-Mediated Factor Delivery for Spinal Cord Injury Treatment. <i>Biomedicines</i> , 2022, 10, 1673.	1.4	9
113	Delayed helix formation of mutant collagen. <i>Science</i> , 1995, 267, 258-258.	6.0	8
114	Ehlers-Danlos syndrome type IV caused by Gly400Glu, Gly595Cys and Gly1003Asp substitutions in collagen III: clinical features, biochemical screening, and molecular confirmation. <i>Clinical Genetics</i> , 1996, 49, 286-295.	1.0	7
115	Characterization of amine donor and acceptor sites for tissue type transglutaminase using a sequence from the C-terminus of human fibrillin-1 and the N-terminus of osteonectin. <i>Biomaterials</i> , 2010, 31, 4600-4608.	5.7	6
116	RGB-Color Intensiometric Indicators to Visualize Spatiotemporal Dynamics of ATP in Single Cells. <i>Angewandte Chemie</i> , 2018, 130, 11039-11044.	1.6	6
117	Polylactosamine sugar chains expressed by epithelia of Henle's loop and collecting duct in rat and human kidney are selectively recognized by human cold agglutinins anti-Hi. <i>Tissue Antigens</i> , 1994, 44, 159-165.	1.0	5
118	Isolation and characterization of the lower portion of the thin limb of Henle in primary culture. <i>American Journal of Physiology - Renal Physiology</i> , 1998, 274, F775-F782.	1.3	5
119	Generalized Exfoliative Erythroderma Since Birth-Quiz Case. <i>Archives of Dermatology</i> , 2004, 140, 1275-80.	1.7	5
120	Ciclopirox olamine promotes the angiogenic response of endothelial cells and mesenchymal stem cells. <i>Clinical Hemorheology and Microcirculation</i> , 2019, 73, 317-328.	0.9	5
121	Engineering microparticles based on solidified stem cell secretome with an augmented pro-angiogenic factor portfolio for therapeutic angiogenesis. <i>Bioactive Materials</i> , 2022, 17, 526-541.	8.6	5
122	Extraction of Various Arachidonic Acid Metabolites from Minimal Amounts of Biological Fluid with a New Generation of Miniaturized Solid Phase Extraction Cartridges. <i>Journal of Liquid Chromatography and Related Technologies</i> , 1990, 13, 969-980.	0.9	4
123	Mitochondrial Routing of Glucose and Sucrose Polymers after Pinocytotic Uptake: Avenues for Drug Delivery. <i>Biomacromolecules</i> , 2014, 15, 2119-2127.	2.6	3
124	Allogeneic Serum and Macromolecular Crowding Maintain Native Equine Tenocyte Function in Culture. <i>Cells</i> , 2022, 11, 1562.	1.8	3
125	Detection of a human autoantibody against intercalated cells of kidney-collecting tubule. <i>Journal of Autoimmunity</i> , 1989, 2, 889-894.	3.0	2
126	TEDD Annual Meeting with 3D Bioprinting Workshop. <i>Chimia</i> , 2018, 72, 76-79.	0.3	2

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127	Molecular Crowding “ (in Cell Culture). , 2020, , 483-509.		2
128	Enhancement of Neuroglial Extracellular Matrix Formation and Physiological Activity of Dopaminergic Neural Cocultures by Macromolecular Crowding. <i>Cells</i> , 2022, 11, 2131.	1.8	2
129	Practical Considerations for Medical Applications using Biological Grafts and their Derivatives. <i>Materials Research Society Symposia Proceedings</i> , 2012, 1418, 215.	0.1	1
130	Incorporation of a Prolyl Hydroxylase Inhibitor into Scaffolds: A Strategy for Stimulating Vascularization. <i>Tissue Engineering - Part A</i> , 2015, 21, 1106-1115.	1.6	1
131	Molecular Crowding “ (in Cell Culture). , 2018, , 1-27.		1
132	The : In Vitro Fibrosis Model for Anti-Fibrotic Drug Testing. <i>Methods in Molecular Biology</i> , 2021, 2299, 147-156.	0.4	1
133	Advanced in vitro models analysis. <i>ALTEX: Alternatives To Animal Experimentation</i> , 2019, 36, 144-147.	0.9	1
134	Genetic counselling on brittle grounds: recurring osteogenesis imperfecta due to parental mosaicism for a dominant mutation. <i>European Journal of Pediatrics</i> , 1995, 154, 123-129.	1.3	1
135	Macromolecular crowding tuned extracellular matrix deposition in a bioprinted human rhabdomyosarcoma model. <i>Bioprinting</i> , 2022, 27, e00213.	2.9	1
136	Editorial: When the Shape Does Matter: Three-Dimensional In Vitro Models of Epithelial Barriers. <i>Frontiers in Bioengineering and Biotechnology</i> , 2020, 8, 617361.	2.0	0
137	In Vitro Enhancement of Collagen Matrix Formation and Crosslinking for Applications in Tissue Engineering: A Preliminary Study. <i>Tissue Engineering</i> , 2007, .	4.9	0