

Juan Antonio Marchal

List of Publications by Citations

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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.

181 papers	3,440 citations	34 h-index	48 g-index
202 ext. papers	4,305 ext. citations	5.6 avg, IF	5.47 L-index

#	Paper	IF	Citations
181	Epigenetic control of retrotransposon expression in human embryonic stem cells. <i>Molecular and Cellular Biology</i> , 2011 , 31, 300-16	4.8	110
180	Interactions between Adipocytes and Breast Cancer Cells Stimulate Cytokine Production and Drive Src/Sox2/miR-302b-Mediated Malignant Progression. <i>Cancer Research</i> , 2016 , 76, 491-504	10.1	103
179	Nanomedicine: application areas and development prospects. <i>International Journal of Molecular Sciences</i> , 2011 , 12, 3303-21	6.3	101
178	Melatonin ameliorates low-grade inflammation and oxidative stress in young Zucker diabetic fatty rats. <i>Journal of Pineal Research</i> , 2013 , 54, 381-8	10.4	100
177	Bio-inspired hydrogel composed of hyaluronic acid and alginate as a potential bioink for 3D bioprinting of articular cartilage engineering constructs. <i>Acta Biomaterialia</i> , 2020 , 106, 114-123	10.8	98
176	The impact of PKR activation: from neurodegeneration to cancer. <i>FASEB Journal</i> , 2014 , 28, 1965-74	0.9	77
175	Low adherent cancer cell subpopulations are enriched in tumorigenic and metastatic epithelial-to-mesenchymal transition-induced cancer stem-like cells. <i>Scientific Reports</i> , 2016 , 6, 18772	4.9	74
174	Assessment of reference ranges for blood Cu, Mn, Se and Zn in a selected Italian population. <i>Journal of Trace Elements in Medicine and Biology</i> , 2011 , 25, 19-26	4.1	72
173	sRNAbench and sRNAtoolbox 2019: intuitive fast small RNA profiling and differential expression. <i>Nucleic Acids Research</i> , 2019 , 47, W530-W535	20.1	71
172	Thermo-Sensitive Nanomaterials: Recent Advance in Synthesis and Biomedical Applications. <i>Nanomaterials</i> , 2018 , 8,	5.4	71
171	Intra-Articular Injections of Platelet-Rich Plasma versus Hyaluronic Acid in the Treatment of Osteoarthritic Knee Pain: A Randomized Clinical Trial in the Context of the Spanish National Health Care System. <i>International Journal of Molecular Sciences</i> , 2016 , 17,	6.3	69
170	Functionalized nanostructures with application in regenerative medicine. <i>International Journal of Molecular Sciences</i> , 2012 , 13, 3847-86	6.3	68
169	EMT and EGFR in CTCs cytokeratin negative non-metastatic breast cancer. <i>Oncotarget</i> , 2014 , 5, 7486-97	3.3	57
168	5-Fluorouracil derivatives: a patent review. <i>Expert Opinion on Therapeutic Patents</i> , 2012 , 22, 107-23	6.8	56
167	Immune cell impact of three differently coated lipid nanocapsules: pluronic, chitosan and polyethylene glycol. <i>Scientific Reports</i> , 2016 , 6, 18423	4.9	53
166	Clinical Trials of Thermosensitive Nanomaterials: An Overview. <i>Nanomaterials</i> , 2019 , 9,	5.4	52
165	Reference intervals for blood Cd and Pb in the general population of Sardinia (Italy). <i>International Journal of Hygiene and Environmental Health</i> , 2011 , 214, 102-9	6.9	46

164	Cadmium modifies the cell cycle and apoptotic profiles of human breast cancer cells treated with 5-fluorouracil. <i>International Journal of Molecular Sciences</i> , 2013 , 14, 16600-16	6.3	45
163	How Can Nanotechnology Help to Repair the Body? Advances in Cardiac, Skin, Bone, Cartilage and Nerve Tissue Regeneration. <i>Materials</i> , 2013 , 6, 1333-1359	3.5	44
162	Human cardiac tissue induces transdifferentiation of adult stem cells towards cardiomyocytes. <i>Cytotherapy</i> , 2010 , 12, 332-7	4.8	43
161	Synthesis of tetrahydrobenzoxazepine acetals with electron-withdrawing groups on the nitrogen atom. Novel scaffolds endowed with anticancer activity against breast cancer cells. <i>Tetrahedron</i> , 2004 , 60, 11547-11557	2.4	43
160	Chondrocytes extract from patients with osteoarthritis induces chondrogenesis in infrapatellar fat pad-derived stem cells. <i>Osteoarthritis and Cartilage</i> , 2013 , 21, 246-58	6.2	41
159	The chemotherapeutic drug 5-fluorouracil promotes PKR-mediated apoptosis in a p53-independent manner in colon and breast cancer cells. <i>PLoS ONE</i> , 2011 , 6, e23887	3.7	41
158	Recent Progress in Gene Therapy for Ovarian Cancer. <i>International Journal of Molecular Sciences</i> , 2018 , 19,	6.3	40
157	Cancer stem cell secretome in the tumor microenvironment: a key point for an effective personalized cancer treatment. <i>Journal of Hematology and Oncology</i> , 2020 , 13, 136	22.4	39
156	Smart Drug-Delivery Systems for Cancer Nanotherapy. <i>Current Drug Targets</i> , 2018 , 19, 339-359	3	38
155	Studies on RNA integrity and gene expression in human myocardial tissue, pericardial fluid and blood, and its postmortem stability. <i>Forensic Science International</i> , 2013 , 232, 218-28	2.6	38
154	Neighbouring-group participation as the key step in the reactivity of acyclic and cyclic salicyl-derived O,O-acetals with 5-fluorouracil. Antiproliferative activity, cell cycle dysregulation and apoptotic induction of new O,N-acetals against breast cancer cells. <i>Tetrahedron</i> , 2003 , 59, 8017-8026	2.4	37
153	Role of Mesenchymal Stromal Cells as Therapeutic Agents: Potential Mechanisms of Action and Implications in Their Clinical Use. <i>Journal of Clinical Medicine</i> , 2020 , 9,	5.1	37
152	Balancing the effect of corona on therapeutic efficacy and macrophage uptake of lipid nanocapsules. <i>Biomaterials</i> , 2015 , 61, 266-78	15.6	36
151	Purification and long-term expansion of multipotent endothelial-like cells with potential cardiovascular regeneration. <i>Stem Cells and Development</i> , 2012 , 21, 562-74	4.4	36
150	Synthesis and anticancer activity of (RS)-9-(2,3-dihydro-1,4-benzoxaheteroin-2-ylmethyl)-9H-purines. <i>European Journal of Medicinal Chemistry</i> , 2011 , 46, 3795-801	6.8	36
149	CSC Radioresistance: A Therapeutic Challenge to Improve Radiotherapy Effectiveness in Cancer. <i>Cells</i> , 2020 , 9,	7.9	35
148	New (RS)-benzoxazepin-purines with antitumour activity: The chiral switch from (RS)-2,6-dichloro-9-[1-(p-nitrobenzenesulfonyl)-1,2,3,5-tetrahydro-4,1-benzoxazepin-3-yl]-9H-purine. <i>European Journal of Medicinal Chemistry</i> , 2011 , 46, 249-58	6.8	34
147	Brown adipose tissue and novel therapeutic approaches to treat metabolic disorders. <i>Translational Research</i> , 2015 , 165, 464-79	11	33

- 146 Cancer suicide gene therapy: a patent review. *Expert Opinion on Therapeutic Patents*, **2016**, 26, 1095-1046.8 31
- 145 Growth inhibition, G(1)-arrest, and apoptosis in MCF-7 human breast cancer cells by novel highly lipophilic 5-fluorouracil derivatives. *Investigational New Drugs*, **2004**, 22, 379-89 4.3 31
- 144 Medium benzene-fused oxacycles with the 5-fluorouracil moiety: synthesis, antiproliferative activities and apoptosis induction in breast cancer cells. *Tetrahedron*, **2003**, 59, 5457-5467 2.4 31
- 143 Synthesis and anticancer activity of (R,S)-9-(2,3-dihydro-1,4-benzoxathiin-3-ylmethyl)-9H-purines. *ChemMedChem*, **2008**, 3, 127-35 3.7 28
- 142 Biofunctional Ionic-Doped Calcium Phosphates: Silk Fibroin Composites for Bone Tissue Engineering Scaffolding. *Cells Tissues Organs*, **2017**, 204, 150-163 2.1 28
- 141 Characterization of different functionalized lipidic nanocapsules as potential drug carriers. *International Journal of Molecular Sciences*, **2012**, 13, 2405-24 6.3 27
- 140 5-Fluorouracil derivatives: a patent review (2012 - 2014). *Expert Opinion on Therapeutic Patents*, **2015**, 25, 1131-44 6.8 26
- 139 Activating Transcription Factor 4 Modulates TGF β Induced Aggressiveness in Triple-Negative Breast Cancer via SMAD2/3/4 and mTORC2 Signaling. *Clinical Cancer Research*, **2018**, 24, 5697-5709 12.9 26
- 138 Phenformin as an Anticancer Agent: Challenges and Prospects. *International Journal of Molecular Sciences*, **2019**, 20, 6.3 26
- 137 Anticancer activity of (1,2,3,5-tetrahydro-4,1-benzoxazepine-3-yl)-pyrimidines and -purines against the MCF-7 cell line: Preliminary cDNA microarray studies. *Bioorganic and Medicinal Chemistry Letters*, **2008**, 18, 1457-60 2.9 26
- 136 Synthesis and anticancer activity studies of novel 1-(2,3-dihydro-5H-1,4-benzodioxepin-3-yl)uracil and (6?-substituted)-7- or 9-(2,3-dihydro-5H-1,4-benzodioxepin-3-yl)-7H- or 9H-purines. *Tetrahedron*, **2006**, 62, 11724-11733 2.4 26
- 135 Inhibition of growth and induction of apoptosis in human breast cancer by transfection of gef gene. *British Journal of Cancer*, **2003**, 89, 192-8 8.7 26
- 134 Therapeutic strategies for skin regeneration based on biomedical substitutes. *Journal of the European Academy of Dermatology and Venereology*, **2019**, 33, 484-496 4.6 25
- 133 6?-Chloro-7- or 9-(2,3-dihydro-5H-4,1-benzoxathiepin-3-yl)-7H- or 9H-purines and their corresponding sulfones as a new family of cytotoxic drugs. *Tetrahedron*, **2007**, 63, 183-190 2.4 23
- 132 Release of alpha-actin into serum after skeletal muscle damage. *British Journal of Sports Medicine*, **2005**, 39, 830-4 10.3 23
- 131 Hydroxytyrosol inhibits cancer stem cells and the metastatic capacity of triple-negative breast cancer cell lines by the simultaneous targeting of epithelial-to-mesenchymal transition, Wnt/ β catenin and TGF β signaling pathways. *European Journal of Nutrition*, **2019**, 58, 3207-3219 5.2 23
- 130 Regiospecific microwave-assisted synthesis and cytotoxic activity against human breast cancer cells of (RS)-6-substituted-7- or 9-(2,3-dihydro-5H-1,4-benzodioxepin-3-yl)-7H- or -9H-purines. *European Journal of Medicinal Chemistry*, **2008**, 43, 1742-8 6.8 22
- 129 Exosome: A New Player in Translational Nanomedicine. *Journal of Clinical Medicine*, **2020**, 9, 5.1 22

128	miRNAs as radio-response biomarkers for breast cancer stem cells. <i>Molecular Oncology</i> , 2020 , 14, 556-570.	7.9	20
127	Clinical and therapeutic potential of protein kinase PKR in cancer and metabolism. <i>Expert Reviews in Molecular Medicine</i> , 2017 , 19, e9	6.7	20
126	Role of alpha-actin in muscle damage of injured athletes in comparison with traditional markers. <i>British Journal of Sports Medicine</i> , 2007 , 41, 442-6	10.3	20
125	HER2-signaling pathway, JNK and ERKs kinases, and cancer stem-like cells are targets of Bozepinib small compound. <i>Oncotarget</i> , 2014 , 5, 3590-606	3.3	20
124	Volume-by-volume bioprinting of chondrocytes-alginate bioinks in high temperature thermoplastic scaffolds for cartilage regeneration. <i>Experimental Biology and Medicine</i> , 2019 , 244, 13-21	3.7	20
123	Revisiting the dynamic cancer stem cell model: Importance of tumour edges. <i>Critical Reviews in Oncology/Hematology</i> , 2018 , 131, 35-45	7	20
122	Anti-proliferative activity of 2,6-dichloro-9- or 7-(ethoxycarbonylmethyl)-9H- or 7H-purines against several human solid tumour cell lines. <i>European Journal of Medicinal Chemistry</i> , 2014 , 76, 118-24	6.8	19
121	Chemical modifications on the acyclic moiety of 3-(2-hydroxyethoxy)-1-alkoxypropyl nucleobases. 2. Differentiation and growth inhibition in rhabdomyosarcoma cells after exposure to a novel 5-fluorouracil acyclonucleoside. <i>Tetrahedron</i> , 1997 , 53, 7319-7334	2.4	19
120	Mesenchymal stem cell's secretome promotes selective enrichment of cancer stem-like cells with specific cytogenetic profile. <i>Cancer Letters</i> , 2018 , 429, 78-88	9.9	18
119	Cadmium influences the 5-Fluorouracil cytotoxic effects on breast cancer cells. <i>European Journal of Histochemistry</i> , 2012 , 56, e1	2.1	18
118	A synthetic uracil derivative with antitumor activity through decreasing cyclin D1 and Cdk1, and increasing p21 and p27 in MCF-7 cells. <i>Breast Cancer Research and Treatment</i> , 2007 , 105, 237-46	4.4	18
117	Activin/BMP2 chimeric ligands direct adipose-derived stem cells to chondrogenic differentiation. <i>Stem Cell Research</i> , 2013 , 10, 464-76	1.6	17
116	Actinomycin D treatment leads to differentiation and inhibits proliferation in rhabdomyosarcoma cells. <i>Translational Research</i> , 1997 , 130, 42-50		17
115	A soft 3D polyacrylate hydrogel recapitulates the cartilage niche and allows growth-factor free tissue engineering of human articular cartilage. <i>Acta Biomaterialia</i> , 2019 , 90, 146-156	10.8	16
114	Prognostic value of RT-PCR tyrosinase detection in peripheral blood of melanoma patients. <i>Disease Markers</i> , 2006 , 22, 175-81	3.2	15
113	Cartilage biomechanics: A key factor for osteoarthritis regenerative medicine. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2019 , 1865, 1067-1075	6.9	14
112	Albumin-covered lipid nanocapsules exhibit enhanced uptake performance by breast-tumor cells. <i>Colloids and Surfaces B: Biointerfaces</i> , 2018 , 165, 103-110	6	14
111	Colloidal stability and in vitro Antitumor targeting ability of lipid nanocapsules coated by folate-chitosan conjugates. <i>Journal of Bioactive and Compatible Polymers</i> , 2012 , 27, 388-404	2	14

110	Exosomes: Their Role in Pathogenesis, Diagnosis and Treatment of Diseases. <i>Cancers</i> , 2020 , 13,	6.6	14
109	Design and evaluation of mesenchymal stem cells seeded chitosan/glycosaminoglycans quaternary hydrogel scaffolds for wound healing applications. <i>International Journal of Pharmaceutics</i> , 2019 , 570, 118632	6.5	13
108	Knee Viscosupplementation: Cost-Effectiveness Analysis between Stabilized Hyaluronic Acid in a Single Injection versus Five Injections of Standard Hyaluronic Acid. <i>International Journal of Molecular Sciences</i> , 2017 , 18,	6.3	13
107	Promotion of human adipose-derived stem cell proliferation mediated by exogenous nucleosides. <i>Cell Biology International</i> , 2010 , 34, 917-24	4.5	13
106	Therapeutic differentiation in a human rhabdomyosarcoma cell line selected for resistance to actinomycin D. <i>International Journal of Cancer</i> , 1998 , 75, 379-83	7.5	13
105	GR-891: a novel 5-fluorouracil acyclonucleoside prodrug for differentiation therapy in rhabdomyosarcoma cells. <i>British Journal of Cancer</i> , 1999 , 79, 807-13	8.7	13
104	Poly(ethylmethacrylate-co-diethylaminoethyl acrylate) coating improves endothelial re-population, bio-mechanical and anti-thrombogenic properties of decellularized carotid arteries for blood vessel replacement. <i>Scientific Reports</i> , 2017 , 7, 407	4.9	12
103	Deciphering the Mechanism of Action Involved in Enhanced Suicide Gene Colon Cancer Cell Killer Effect Mediated by Gef and Apoptin. <i>Cancers</i> , 2019 , 11,	6.6	12
102	Large-Scale Production of Lentiviral Vectors: Current Perspectives and Challenges. <i>Pharmaceutics</i> , 2020 , 12,	6.4	12
101	What's new in the diagnosis of pancreatic cancer: a patent review (2011-present). <i>Expert Opinion on Therapeutic Patents</i> , 2017 , 27, 1319-1328	6.8	12
100	What's new in treatment of pancreatic cancer: a patent review (2010-2017). <i>Expert Opinion on Therapeutic Patents</i> , 2017 , 27, 1251-1266	6.8	12
99	Anticancer activity and cDNA microarray studies of a (RS)-1,2,3,5-tetrahydro-4,1-benzoxazepine-3-yl]-6-chloro-9H-purine, and an acyclic (RS)-O,N-acetalic 6-chloro-7H-purine. <i>European Journal of Medicinal Chemistry</i> , 2011 , 46, 3802-9	6.8	12
98	Transdifferentiation: why and how?. <i>Cell Biology International</i> , 2011 , 35, 373-9	4.5	12
97	Actual targets in cytodifferentiation cancer therapy. <i>Current Topics in Medicinal Chemistry</i> , 2004 , 4, 175-202		12
96	A versatile theranostic nanodevice based on an orthogonal bioconjugation strategy for efficient targeted treatment and monitoring of triple negative breast cancer. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , 2020 , 24, 102120	6	12
95	A Worldwide Overview of Regulatory Frameworks for Tissue-Based Products. <i>Tissue Engineering - Part B: Reviews</i> , 2020 , 26, 181-196	7.9	12
94	The selective cytotoxic activity in breast cancer cells by an anthranilic alcohol-derived acyclic 5-fluorouracil O,N-acetal is mediated by endoplasmic reticulum stress-induced apoptosis. <i>European Journal of Medicinal Chemistry</i> , 2012 , 50, 376-82	6.8	11
93	Synthesis and characterization of lipid immuno-nanocapsules for directed drug delivery: selective antitumor activity against HER2 positive breast-cancer cells. <i>Biomacromolecules</i> , 2013 , 14, 4248-59	6.9	11

92	Exogenous nucleosides modulate proliferation of rat intestinal epithelial IEC-6 cells. <i>Journal of Nutrition</i> , 2007 , 137, 879-84	4.1	11
91	Transfection of MS-36 melanoma cells with gef gene inhibits proliferation and induces modulation of the cell cycle. <i>Cancer Science</i> , 2003 , 94, 564-8	6.9	11
90	Synthesis of novel 1-(2,3-dihydro-5H-4,1-benzoxathiepin-3-yl)-uracil and -thymine, and their corresponding S-oxidized derivatives. <i>Tetrahedron</i> , 2005 , 61, 10363-10369	2.4	11
89	Modulation of alpha-actin and alpha-actinin proteins in cardiomyocytes by retinoic acid during development. <i>Cells Tissues Organs</i> , 1999 , 164, 82-9	2.1	11
88	Metabolomic profile of cancer stem cell-derived exosomes from patients with malignant melanoma. <i>Molecular Oncology</i> , 2021 , 15, 407-428	7.9	11
87	Bozepinib, a novel small antitumor agent, induces PKR-mediated apoptosis and synergizes with IFN γ triggering apoptosis, autophagy and senescence. <i>Drug Design, Development and Therapy</i> , 2013 , 7, 1301-13	4.4	10
86	5-fluorouracil derivatives induce differentiation mediated by tubulin and HLA class I modulation. <i>Medicinal Chemistry</i> , 2007 , 3, 233-9	1.8	10
85	Reverse transcriptase-polymerase chain reaction detection of circulating tumor cells in patients with melanoma: correlation with clinical stage, tumor thickness and histological type. <i>Pathology International</i> , 2002 , 52, 294-9	1.8	10
84	New medium oxacyclic O,N-acetals and related open analogues: biological activities. <i>Current Medicinal Chemistry</i> , 2005 , 12, 1423-38	4.3	10
83	Modulation of myogenic differentiation in a human rhabdomyosarcoma cell line by a new derivative of 5-fluorouracil (QF-3602). <i>Japanese Journal of Cancer Research</i> , 2000 , 91, 934-40		10
82	Deregulation of cancer-stem-cell-associated miRNAs in tissues and sera of colorectal cancer patients. <i>Oncotarget</i> , 2020 , 11, 116-130	3.3	10
81	Impact of TGF- β -family-related growth factors on chondrogenic differentiation of adipose-derived stem cells isolated from lipoaspirates and infrapatellar fat pads of osteoarthritic patients. <i>European Cells and Materials</i> , 2018 , 35, 209-224	4.3	10
80	Matrix metalloproteases and TIMPs as prognostic biomarkers in breast cancer patients treated with radiotherapy: A pilot study. <i>Journal of Cellular and Molecular Medicine</i> , 2020 , 24, 139-148	5.6	10
79	Polymers, scaffolds and bioactive molecules with therapeutic properties in osteochondral pathologies: what's new?. <i>Expert Opinion on Therapeutic Patents</i> , 2016 , 26, 877-90	6.8	9
78	Differentiation of intestinal epithelial cells mediated by cell confluence and/or exogenous nucleoside supplementation. <i>Cells Tissues Organs</i> , 2010 , 191, 478-88	2.1	9
77	How is gene transfection able to improve current chemotherapy? The role of combined therapy in cancer treatment. <i>Current Medicinal Chemistry</i> , 2012 , 19, 1870-88	4.3	9
76	Fundamentals of light-cell-polymer interactions in photo-cross-linking based bioprinting. <i>APL Bioengineering</i> , 2020 , 4, 041502	6.6	9
75	Radiation and Stemness Phenotype May Influence Individual Breast Cancer Outcomes: The Crucial Role of MMPs and Microenvironment. <i>Cancers</i> , 2019 , 11,	6.6	9

74	Anti-CD44-Conjugated Olive Oil Liquid Nanocapsules for Targeting Pancreatic Cancer Stem Cells. <i>Biomacromolecules</i> , 2021 , 22, 1374-1388	6.9	9
73	Enhancement of Tumor Cell Death by Combining Gene Mediated Therapy and New 1,4-Benzoxazepin-2,6-Dichloropurine Derivatives in Breast Cancer Cells. <i>Frontiers in Pharmacology</i> , 2018 , 9, 798	5.6	8
72	Synthesis and evaluation of new 5-fluorouracil antitumor cell differentiating derivatives. <i>Bioorganic and Medicinal Chemistry</i> , 2003 , 11, 315-23	3.4	8
71	Development of chick cardiomyocytes: modulation of intermediate filaments by basic fibroblast and platelet-derived growth factors. <i>Cells Tissues Organs</i> , 2000 , 167, 163-70	2.1	8
70	Low concentrations of actinomycin D potentially cause therapeutic differentiation in human rhabdomyosarcoma cell line RD. <i>Pathology Research and Practice</i> , 1996 , 192, 188-94	3.4	8
69	Enantiospecific synthesis of heterocycles linked to purines: different apoptosis modulation of enantiomers in breast cancer cells. <i>Current Medicinal Chemistry</i> , 2013 , 20, 4924-34	4.3	8
68	Cardiomyogenic differentiation potential of human endothelial progenitor cells isolated from patients with myocardial infarction. <i>Cytotherapy</i> , 2014 , 16, 1229-37	4.8	7
67	In vitro treatment of carcinoma cell lines with pancreatic (pro)enzymes suppresses the EMT programme and promotes cell differentiation. <i>Cellular Oncology (Dordrecht)</i> , 2013 , 36, 289-301	7.2	7
66	Ultrastructural and molecular analyzes of insulin-producing cells induced from human hepatoma cells. <i>Cytotherapy</i> , 2011 , 13, 193-200	4.8	7
65	The M3/M4 cytoplasmic loop of the alpha1 subunit restricts GABAARs lateral mobility: a study using fluorescence recovery after photobleaching. <i>Cytoskeleton</i> , 2006 , 63, 747-57		7
64	Antitumoural properties of benzannelated seven-membered 5-fluorouracil derivatives and related open analogues. Molecular markers for apoptosis and cell cycle dysregulation. <i>Il Farmaco</i> , 2005 , 60, 91-7		7
63	Cancer: a mirrored room between tumor bulk and tumor microenvironment. <i>Journal of Experimental and Clinical Cancer Research</i> , 2021 , 40, 217	12.8	7
62	Development, characterization and sterilisation of Nanocellulose-alginate-(hyaluronic acid)- bioinks and 3D bioprinted scaffolds for tissue engineering. <i>Materials Science and Engineering C</i> , 2021 , 126, 112160	8.3	7
61	Pore geometry influences growth and cell adhesion of infrapatellar mesenchymal stem cells in biofabricated 3D thermoplastic scaffolds useful for cartilage tissue engineering. <i>Materials Science and Engineering C</i> , 2021 , 122, 111933	8.3	7
60	mirnaQC: a webserver for comparative quality control of miRNA-seq data. <i>Nucleic Acids Research</i> , 2020 , 48, W262-W267	20.1	6
59	Uncovering Tumour Heterogeneity through PKR and nc886 Analysis in Metastatic Colon Cancer Patients Treated with 5-FU-Based Chemotherapy. <i>Cancers</i> , 2020 , 12,	6.6	6
58	Tumour malignancy loss and cell differentiation are associated with induction of gef gene in human melanoma cells. <i>British Journal of Dermatology</i> , 2008 , 159, 370-8	4	6
57	Clinical significance of antiheart antibodies after myocardial infarction. <i>International Heart Journal</i> , 1997 , 38, 779-86		6

56	Evaluation of Glycerylphosphate Crosslinked Semi- and Interpenetrated Polymer Membranes of Hyaluronic Acid and Chitosan for Tissue Engineering. <i>Polymers</i> , 2020 , 12,	4.5	6
55	Development of a Biomimetic Hydrogel Based on Predifferentiated Mesenchymal Stem-Cell-Derived ECM for Cartilage Tissue Engineering. <i>Advanced Healthcare Materials</i> , 2021 , 10, e2001847	10.1	6
54	liqDB: a small-RNAseq knowledge discovery database for liquid biopsy studies. <i>Nucleic Acids Research</i> , 2019 , 47, D113-D120	20.1	6
53	Antioxidants for the Treatment of Breast Cancer: Are We There Yet?. <i>Antioxidants</i> , 2021 , 10,	7.1	6
52	The p38 MAPK Components and Modulators as Biomarkers and Molecular Targets in Cancer.. <i>International Journal of Molecular Sciences</i> , 2021 , 23,	6.3	6
51	Antitumoral activity of 1,2-diaminocyclohexane derivatives in breast, colon and skin human cancer cells. <i>Future Medicinal Chemistry</i> , 2017 , 9, 293-302	4.1	5
50	Pancreatic (pro)enzymes treatment suppresses BXPC-3 pancreatic Cancer Stem Cell subpopulation and impairs tumour engrafting. <i>Scientific Reports</i> , 2019 , 9, 11359	4.9	5
49	Influence of preinfarction angina on the release kinetics of endothelial progenitor cells and cytokines during the week after infarction. <i>European Journal of Clinical Investigation</i> , 2011 , 41, 1220-6	4.6	5
48	Synthesis and anticancer activity of the (R,S)-benzofused 1,5-oxathiepine moiety tethered to purines through alkylidenoxy linkers. <i>ChemMedChem</i> , 2011 , 6, 1854-9	3.7	5
47	Heavy Metals and Multiple Sclerosis in Sardinian Population (Italy). <i>Analytical Letters</i> , 2011 , 44, 1699-1712	2.2	5
46	gef gene expression in MCF-7 breast cancer cells is associated with a better prognosis and induction of apoptosis by p53-mediated signaling pathway. <i>International Journal of Molecular Sciences</i> , 2011 , 12, 7445-58	6.3	5
45	Validation of the 1,4-butanediol thermoplastic polyurethane as a novel material for 3D bioprinting applications. <i>Bioengineering and Translational Medicine</i> , 2021 , 6, e10192	14.8	5
44	A formulation of pancreatic pro-enzymes provides potent anti-tumour efficacy: a pilot study focused on pancreatic and ovarian cancer. <i>Scientific Reports</i> , 2017 , 7, 13998	4.9	4
43	Melanoma cancer stem-like cells: Optimization method for culture, enrichment and maintenance. <i>Tissue and Cell</i> , 2019 , 60, 48-59	2.7	4
42	In-bioreactor ultrasonic monitoring of 3D culture human engineered cartilage. <i>Sensors and Actuators B: Chemical</i> , 2018 , 266, 841-852	8.5	4
41	Cellular extracts from post-mortem human cardiac tissue direct cardiomyogenic differentiation of human adipose tissue-derived stem cells. <i>Cytotherapy</i> , 2013 , 15, 1541-8	4.8	4
40	Acyclonucleosides, modified seco-nucleosides, and salicyl- or catechol-derived acyclic 5-fluorouracil O,N-acetals: antiproliferative activities, cellular differentiation and apoptosis. <i>Current Medicinal Chemistry</i> , 2009 , 16, 1166-83	4.3	4
39	Antiproliferative activity, cell-cycle dysregulation, and cellular differentiation: salicyl- and catechol-derived acyclic 5-fluorouracil O,N-acetals against breast cancer cells. <i>ChemMedChem</i> , 2007 , 2, 1814-21	3.7	4

38	Clinical failure of nanoparticles in cancer: mimicking nature's solutions. <i>Nanomedicine</i> , 2020 , 15, 2311-2324	3.4	4
37	Silver Nanoparticles from Peel and Leaf Extracts as a Potential Potent, Biocompatible and Low Cost Antitumor Tool. <i>Nanomaterials</i> , 2021 , 11,	5.4	4
36	GENYOi005-A: An induced pluripotent stem cells (iPSCs) line generated from a patient with Familial Platelet Disorder with associated Myeloid Malignancy (FPDMM) carrying a p.Thr196Ala variant. <i>Stem Cell Research</i> , 2019 , 41, 101603	1.6	3
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