Juan Antonio Marchal

List of Publications by Year in Descending Order

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	Chondroitin and Dermatan Sulfate Bioinks for 3D Bioprinting and Cartilage Regeneration.. *Macromolecular Bioscience*, **2022**, e2100435	5.5	1
180	Advances in spray products for skin regeneration.. *Bioactive Materials*, **2022**, 16, 187-203	16.7	1
179	sRNAbench and sRNAtoolbox 2022 update: accurate miRNA and sncRNA profiling for model and non-model organisms.. *Nucleic Acids Research*, **2022**,	20.1	2
178	Anti-Cancerous Potential of Polysaccharides Derived from Wheat Cell Culture. *Pharmaceutics*, **2022**, 14, 1100	6.4	2
177	Physiological lentiviral vectors for the generation of improved CAR-T cells. *Molecular Therapy - Oncolytics*, **2022**, 25, 335-349	6.4	0
176	Caffeine and Chlorogenic Acid Combination Attenuate Early-Stage Chemically Induced Colon Carcinogenesis in Mice: Involvement of oncomiR miR-21a-5p. *International Journal of Molecular Sciences*, **2022**, 23, 6292	6.3	2
175	Maslinic Acid Nanoparticles: A Drug to Carry Others. *Materials Proceedings*, **2021**, 4, 6	0.3	
174	The Biomimetic Extracellular Matrix: a Therapeutic Tool for Breast Cancer Research. *Translational Research*, **2021**,	11	1
173	An overview on the manufacturing of functional and mature cellular skin substitutes. *Tissue Engineering - Part B: Reviews*, **2021**,	7.9	1
172	Self-Assembled Type I Collagen-Apatite Fibers with Varying Mineralization Extent and Luminescent Terbium Promote Osteogenic Differentiation of Mesenchymal Stem Cells. *Macromolecular Bioscience*, **2021**, 21, e2000319	5.5	1
171	Development of a Biomimetic Hydrogel Based on Predifferentiated Mesenchymal Stem-Cell-Derived ECM for Cartilage Tissue Engineering. *Advanced Healthcare Materials*, **2021**, 10, e2001847	10.1	6
170	Evolution of Metastasis Study Models toward Metastasis-On-A-Chip: The Ultimate Model?. *Small*, **2021**, 17, e2006009	11	2
169	Silver Nanoparticles from Peel and Leaf Extracts as a Potential Potent, Biocompatible and Low Cost Antitumor Tool. *Nanomaterials*, **2021**, 11,	5.4	4
168	Trypsinogen and chymotrypsinogen: potent anti-tumor agents. *Expert Opinion on Biological Therapy* , **2021**, 21, 1609-1621	5.4	0
167	Living magnetorheological composites: from the synthesis to the in vitro characterization. *Smart Materials and Structures*, **2021**, 30, 065015	3.4	1
166	Cancer: a mirrored room between tumor bulk and tumor microenvironment. *Journal of Experimental and Clinical Cancer Research*, **2021**, 40, 217	12.8	7
165	Development, characterization and sterilisation of Nanocellulose-alginate-(hyaluronic acid)- bioinks and 3D bioprinted scaffolds for tissue engineering. *Materials Science and Engineering C*, **2021**, 126, 112160	8.3	7

164	Metabolomic profile of cancer stem cell-derived exosomes from patients with malignant melanoma. *Molecular Oncology*, **2021**, 15, 407-428	7.9	11
163	Validation of the 1,4-butanediol thermoplastic polyurethane as a novel material for 3D bioprinting applications. *Bioengineering and Translational Medicine*, **2021**, 6, e10192	14.8	5
162	Design, synthesis, HER2 inhibition and anticancer evaluation of new substituted 1,5-dihydro-4,1-benzoxazepines. *Journal of Enzyme Inhibition and Medicinal Chemistry*, **2021**, 36, 1553-1563	5.6	0
161	Antioxidants for the Treatment of Breast Cancer: Are We There Yet?. *Antioxidants*, **2021**, 10,	7.1	6
160	Anti-CD44-Conjugated Olive Oil Liquid Nanocapsules for Targeting Pancreatic Cancer Stem Cells. *Biomacromolecules*, **2021**, 22, 1374-1388	6.9	9
159	Pore geometry influences growth and cell adhesion of infrapatellar mesenchymal stem cells in biofabricated 3D thermoplastic scaffolds useful for cartilage tissue engineering. *Materials Science and Engineering C*, **2021**, 122, 111933	8.3	7
158	The p38 MAPK Components and Modulators as Biomarkers and Molecular Targets in Cancer.. *International Journal of Molecular Sciences*, **2021**, 23,	6.3	6
157	Large-Scale Production of Lentiviral Vectors: Current Perspectives and Challenges. *Pharmaceutics*, **2020**, 12,	6.4	12
156	mirnaQC: a webserver for comparative quality control of miRNA-seq data. *Nucleic Acids Research*, **2020**, 48, W262-W267	20.1	6
155	Uncovering Tumour Heterogeneity through PKR and nc886 Analysis in Metastatic Colon Cancer Patients Treated with 5-FU-Based Chemotherapy. *Cancers*, **2020**, 12,	6.6	6
154	miRNAs as radio-response biomarkers for breast cancer stem cells. *Molecular Oncology*, **2020**, 14, 556-570	7.9	20
153	Deregulation of cancer-stem-cell-associated miRNAs in tissues and sera of colorectal cancer patients. *Oncotarget*, **2020**, 11, 116-130	3.3	10
152	Stem Cell-Secreted Factors in the Tumor Microenvironment. *Advances in Experimental Medicine and Biology*, **2020**, 1277, 115-126	3.6	
151	Exosomes: Their Role in Pathogenesis, Diagnosis and Treatment of Diseases. *Cancers*, **2020**, 13,	6.6	14
150	Role of Mesenchymal Stromal Cells as Therapeutic Agents: Potential Mechanisms of Action and Implications in Their Clinical Use. *Journal of Clinical Medicine*, **2020**, 9,	5.1	37
149	Obtaining Human Breast Adipose Cells for Breast Cancer Cell Co-culture Studies. *STAR Protocols*, **2020**, 1, 100197	1.4	0
148	A versatile theranostic nanodevice based on an orthogonal bioconjugation strategy for efficient targeted treatment and monitoring of triple negative breast cancer. *Nanomedicine: Nanotechnology, Biology, and Medicine*, **2020**, 24, 102120	6	12
147	Matrix metalloproteases and TIMPs as prognostic biomarkers in breast cancer patients treated with radiotherapy: A pilot study. *Journal of Cellular and Molecular Medicine*, **2020**, 24, 139-148	5.6	10

146	A Worldwide Overview of Regulatory Frameworks for Tissue-Based Products. *Tissue Engineering - Part B: Reviews*, **2020**, 26, 181-196	7.9	12
145	Cancer stem cell secretome in the tumor microenvironment: a key point for an effective personalized cancer treatment. *Journal of Hematology and Oncology*, **2020**, 13, 136	22.4	39
144	Clinical failure of nanoparticles in cancer: mimicking nature's solutions. *Nanomedicine*, **2020**, 15, 2311-2324	3.6	4
143	CSC Radioresistance: A Therapeutic Challenge to Improve Radiotherapy Effectiveness in Cancer. *Cells*, **2020**, 9,	7.9	35
142	Bio-inspired hydrogel composed of hyaluronic acid and alginate as a potential bioink for 3D bioprinting of articular cartilage engineering constructs. *Acta Biomaterialia*, **2020**, 106, 114-123	10.8	98
141	The Inhibitory Role of miR-486-5p on CSC Phenotype Has Diagnostic and Prognostic Potential in Colorectal Cancer. *Cancers*, **2020**, 12,	6.6	3
140	Evaluation of Glycerylphytate Crosslinked Semi- and Interpenetrated Polymer Membranes of Hyaluronic Acid and Chitosan for Tissue Engineering. *Polymers*, **2020**, 12,	4.5	6
139	Exosome: A New Player in Translational Nanomedicine. *Journal of Clinical Medicine*, **2020**, 9,	5.1	22
138	Fundamentals of light-cell-polymer interactions in photo-cross-linking based bioprinting. *APL Bioengineering*, **2020**, 4, 041502	6.6	9
137	Design and evaluation of mesenchymal stem cells seeded chitosan/glycosaminoglycans quaternary hydrogel scaffolds for wound healing applications. *International Journal of Pharmaceutics*, **2019**, 570, 118632	6.5	13
136	Melanoma cancer stem-like cells: Optimization method for culture, enrichment and maintenance. *Tissue and Cell*, **2019**, 60, 48-59	2.7	4
135	sRNAbench and sRNAtoolbox 2019: intuitive fast small RNA profiling and differential expression. *Nucleic Acids Research*, **2019**, 47, W530-W535	20.1	71
134	Deciphering the Mechanism of Action Involved in Enhanced Suicide Gene Colon Cancer Cell Killer Effect Mediated by Gef and Apoptin. *Cancers*, **2019**, 11,	6.6	12
133	A soft 3D polyacrylate hydrogel recapitulates the cartilage niche and allows growth-factor free tissue engineering of human articular cartilage. *Acta Biomaterialia*, **2019**, 90, 146-156	10.8	16
132	Cartilage biomechanics: A key factor for osteoarthritis regenerative medicine. *Biochimica Et Biophysica Acta - Molecular Basis of Disease*, **2019**, 1865, 1067-1075	6.9	14
131	Clinical Trials of Thermosensitive Nanomaterials: An Overview. *Nanomaterials*, **2019**, 9,	5.4	52
130	Pancreatic (pro)enzymes treatment suppresses BXPC-3 pancreatic Cancer Stem Cell subpopulation and impairs tumour engrafting. *Scientific Reports*, **2019**, 9, 11359	4.9	5
129	Phenformin as an Anticancer Agent: Challenges and Prospects. *International Journal of Molecular Sciences*, **2019**, 20,	6.3	26

128	LdrB Toxin with In Vitro and In Vivo Antitumor Activity as a Potential Tool for Cancer Gene Therapy. *Cancers*, **2019**, 11,	6.6	2
127	High-Resolution Strain Measurement for Biomechanical Parameters Assessment in Native and Decellularized Porcine Vessels. *Mathematical Problems in Engineering*, **2019**, 2019, 1-14	1.1	
126	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. *Stem Cell Research*, **2019**, 41, 101603	1.6	3
125	Radiation and Stemness Phenotype May Influence Individual Breast Cancer Outcomes: The Crucial Role of MMPs and Microenvironment. *Cancers*, **2019**, 11,	6.6	9
124	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 TGFβ signaling pathways. *European Journal of Nutrition*, **2019**, 58, 3207-3219	5.2	23
123	Volume-by-volume bioprinting of chondrocytes-alginate bioinks in high temperature thermoplastic scaffolds for cartilage regeneration. *Experimental Biology and Medicine*, **2019**, 244, 13-21	3.7	20
122	liqDB: a small-RNAseq knowledge discovery database for liquid biopsy studies. *Nucleic Acids Research*, **2019**, 47, D113-D120	20.1	6
121	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
120	Albumin-covered lipid nanocapsules exhibit enhanced uptake performance by breast-tumor cells. *Colloids and Surfaces B: Biointerfaces*, **2018**, 165, 103-110	6	14
119	In-bioreactor ultrasonic monitoring of 3D culture human engineered cartilage. *Sensors and Actuators B: Chemical*, **2018**, 266, 841-852	8.5	4
118	Mesenchymal stem cell's secretome promotes selective enrichment of cancer stem-like cells with specific cytogenetic profile. *Cancer Letters*, **2018**, 429, 78-88	9.9	18
117	Smart Drug-Delivery Systems for Cancer Nanotherapy. *Current Drug Targets*, **2018**, 19, 339-359	3	38
116	Activating Transcription Factor 4 Modulates TGFβ-Induced Aggressiveness in Triple-Negative Breast Cancer via SMAD2/3/4 and mTORC2 Signaling. *Clinical Cancer Research*, **2018**, 24, 5697-5709	12.9	26
115	Recent Progress in Gene Therapy for Ovarian Cancer. *International Journal of Molecular Sciences*, **2018**, 19,	6.3	40
114	Models of Disease. *Advances in Experimental Medicine and Biology*, **2018**, 1059, 331-350	3.6	2
113	Enhancement of Tumor Cell Death by Combining Gene Mediated Therapy and New 1,4-Benzoxazepin-2,6-Dichloropurine Derivatives in Breast Cancer Cells. *Frontiers in Pharmacology*, **2018**, 9, 798	5.6	8
112	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. *European Cells and Materials*, **2018**, 35, 209-224	4.3	10
111	Thermo-Sensitive Nanomaterials: Recent Advance in Synthesis and Biomedical Applications. *Nanomaterials*, **2018**, 8,	5.4	71

110	Revisiting the dynamic cancer stem cell model: Importance of tumour edges. *Critical Reviews in Oncology/Hematology*, **2018**, 131, 35-45	7	20
109	Antitumoral activity of 1,2-diaminocyclohexane derivatives in breast, colon and skin human cancer cells. *Future Medicinal Chemistry*, **2017**, 9, 293-302	4.1	5
108	Poly(ethylmethacrylate-co-diethylaminoethyl acrylate) coating improves endothelial re-population, bio-mechanical and anti-thrombogenic properties of decellularized carotid arteries for blood vessel replacement. *Scientific Reports*, **2017**, 7, 407	4.9	12
107	A formulation of pancreatic pro-enzymes provides potent anti-tumour efficacy: a pilot study focused on pancreatic and ovarian cancer. *Scientific Reports*, **2017**, 7, 13998	4.9	4
106	What's new in the diagnosis of pancreatic cancer: a patent review (2011-present). *Expert Opinion on Therapeutic Patents*, **2017**, 27, 1319-1328	6.8	12
105	Clinical and therapeutic potential of protein kinase PKR in cancer and metabolism. *Expert Reviews in Molecular Medicine*, **2017**, 19, e9	6.7	20
104	1-(Benzenesulfonyl)-1,5-dihydro-4,1-benzoxazepine as a new scaffold for the design of antitumor compounds. *Future Medicinal Chemistry*, **2017**, 9, 1129-1140	4.1	1
103	What's new in treatment of pancreatic cancer: a patent review (2010-2017). *Expert Opinion on Therapeutic Patents*, **2017**, 27, 1251-1266	6.8	12
102	Knee Viscosupplementation: Cost-Effectiveness Analysis between Stabilized Hyaluronic Acid in a Single Injection versus Five Injections of Standard Hyaluronic Acid. *International Journal of Molecular Sciences*, **2017**, 18,	6.3	13
101	Biofunctional Ionic-Doped Calcium Phosphates: Silk Fibroin Composites for Bone Tissue Engineering Scaffolding. *Cells Tissues Organs*, **2017**, 204, 150-163	2.1	28
100	Immune cell impact of three differently coated lipid nanocapsules: pluronic, chitosan and polyethylene glycol. *Scientific Reports*, **2016**, 6, 18423	4.9	53
99	Influence of metals on rhinosinusal polyposis in Sardinian population (Italy). *Environmental Science and Pollution Research*, **2016**, 23, 21726-21732	5.1	2
98	Cancer suicide gene therapy: a patent review. *Expert Opinion on Therapeutic Patents*, **2016**, 26, 1095-104	6.8	31
97	Polymers, scaffolds and bioactive molecules with therapeutic properties in osteochondral pathologies: what's new?. *Expert Opinion on Therapeutic Patents*, **2016**, 26, 877-90	6.8	9
96	Interactions between Adipocytes and Breast Cancer Cells Stimulate Cytokine Production and Drive Src/Sox2/miR-302b-Mediated Malignant Progression. *Cancer Research*, **2016**, 76, 491-504	10.1	103
95	Brown Adipose Tissue and Obesity **2016**, 13-28		
94	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. *International Journal of Molecular Sciences*, **2016**, 17,	6.3	69
93	Low adherent cancer cell subpopulations are enriched in tumorigenic and metastatic epithelial-to-mesenchymal transition-induced cancer stem-like cells. *Scientific Reports*, **2016**, 6, 18772	4.9	74

92	5-Fluorouracil derivatives: a patent review (2012 - 2014). *Expert Opinion on Therapeutic Patents*, **2015**, 25, 1131-44	6.8	26
91	Balancing the effect of corona on therapeutic efficacy and macrophage uptake of lipid nanocapsules. *Biomaterials*, **2015**, 61, 266-78	15.6	36
90	Data supporting the physico-chemical characterization, cellular uptake and cytotoxicity of lipid nanocapsules. *Data in Brief*, **2015**, 4, 279-84	1.2	1
89	p-Nitrobenzenesulfonamides and their fluorescent dansylsulfonamides derived from N-alkylated o-(purine-methyl)anilines as novel antitumour agents. *RSC Advances*, **2015**, 5, 76615-76619	3.7	2
88	Brown adipose tissue and novel therapeutic approaches to treat metabolic disorders. *Translational Research*, **2015**, 165, 464-79	11	33
87	Cardiomyogenic differentiation potential of human endothelial progenitor cells isolated from patients with myocardial infarction. *Cytotherapy*, **2014**, 16, 1229-37	4.8	7
86	Anti-proliferative activity of 2,6-dichloro-9- or 7-(ethoxycarbonylmethyl)-9H- or 7H-purines against several human solid tumour cell lines. *European Journal of Medicinal Chemistry*, **2014**, 76, 118-24	6.8	19
85	The impact of PKR activation: from neurodegeneration to cancer. *FASEB Journal*, **2014**, 28, 1965-74	0.9	77
84	HER2-signaling pathway, JNK and ERKs kinases, and cancer stem-like cells are targets of Bozepinib small compound. *Oncotarget*, **2014**, 5, 3590-606	3.3	20
83	EMT and EGFR in CTCs cytokeratin negative non-metastatic breast cancer. *Oncotarget*, **2014**, 5, 7486-97	3.3	57
82	Generation of Autologous Multipotent Endothelial-Like Cells from Lipoaspirates of Human Adipose-Derived Stem Cells and Polymer Microarrays Technology: Potential Cardiovascular Regeneration. *Stem Cells and Cancer Stem Cells*, **2014**, 151-164		
81	In vitro treatment of carcinoma cell lines with pancreatic (pro)enzymes suppresses the EMT programme and promotes cell differentiation. *Cellular Oncology (Dordrecht)*, **2013**, 36, 289-301	7.2	7
80	Chondrocytes extract from patients with osteoarthritis induces chondrogenesis in infrapatellar fat pad-derived stem cells. *Osteoarthritis and Cartilage*, **2013**, 21, 246-58	6.2	41
79	Studies on RNA integrity and gene expression in human myocardial tissue, pericardial fluid and blood, and its postmortem stability. *Forensic Science International*, **2013**, 232, 218-28	2.6	38
78	Cellular extracts from post-mortem human cardiac tissue direct cardiomyogenic differentiation of human adipose tissue-derived stem cells. *Cytotherapy*, **2013**, 15, 1541-8	4.8	4
77	Activin/BMP2 chimeric ligands direct adipose-derived stem cells to chondrogenic differentiation. *Stem Cell Research*, **2013**, 10, 464-76	1.6	17
76	How Can Nanotechnology Help to Repair the Body? Advances in Cardiac, Skin, Bone, Cartilage and Nerve Tissue Regeneration. *Materials*, **2013**, 6, 1333-1359	3.5	44
75	Melatonin ameliorates low-grade inflammation and oxidative stress in young Zucker diabetic fatty rats. *Journal of Pineal Research*, **2013**, 54, 381-8	10.4	100

74	Synthesis and characterization of lipid immuno-nanocapsules for directed drug delivery: selective antitumor activity against HER2 positive breast-cancer cells. *Biomacromolecules*, **2013**, 14, 4248-59	6.9	11
73	In vitro nanoparticle-mediated intracellular delivery into human adipose-derived stem cells. *Methods in Molecular Biology*, **2013**, 1058, 41-7	1.4	3
72	Cadmium modifies the cell cycle and apoptotic profiles of human breast cancer cells treated with 5-fluorouracil. *International Journal of Molecular Sciences*, **2013**, 14, 16600-16	6.3	45
71	Bozepinib, a novel small antitumor agent, induces PKR-mediated apoptosis and synergizes with IFN triggering apoptosis, autophagy and senescence. *Drug Design, Development and Therapy*, **2013**, 7, 1301-13	4.4	10
70	Enantiospecific synthesis of heterocycles linked to purines: different apoptosis modulation of enantiomers in breast cancer cells. *Current Medicinal Chemistry*, **2013**, 20, 4924-34	4.3	8
69	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. *European Journal of Medicinal Chemistry*, **2012**, 50, 376-82	6.8	11
68	Colloidal stability and in vitro antitumor targeting ability of lipid nanocapsules coated by folate chitosan conjugates. *Journal of Bioactive and Compatible Polymers*, **2012**, 27, 388-404	2	14
67	Functionalized nanostructures with application in regenerative medicine. *International Journal of Molecular Sciences*, **2012**, 13, 3847-86	6.3	68
66	Purification and long-term expansion of multipotent endothelial-like cells with potential cardiovascular regeneration. *Stem Cells and Development*, **2012**, 21, 562-74	4.4	36
65	Cadmium influences the 5-Fluorouracil cytotoxic effects on breast cancer cells. *European Journal of Histochemistry*, **2012**, 56, e1	2.1	18
64	5-Fluorouracil derivatives: a patent review. *Expert Opinion on Therapeutic Patents*, **2012**, 22, 107-23	6.8	56
63	Characterization of different functionalized lipidic nanocapsules as potential drug carriers. *International Journal of Molecular Sciences*, **2012**, 13, 2405-24	6.3	27
62	How is gene transfection able to improve current chemotherapy? The role of combined therapy in cancer treatment. *Current Medicinal Chemistry*, **2012**, 19, 1870-88	4.3	9
61	Treatment of Heart Disease: Use of Transdifferentiation Methodology for Reprogramming Adult Stem Cells **2012**, 169-183		
60	Ultrastructural and molecular analyzes of insulin-producing cells induced from human hepatoma cells. *Cytotherapy*, **2011**, 13, 193-200	4.8	7
59	Nanomedicine: application areas and development prospects. *International Journal of Molecular Sciences*, **2011**, 12, 3303-21	6.3	101
58	Coronary Disease Extension Determines Mobilization of Endothelial Progenitor Cells and Cytokines After a First Myocardial Infarction With ST Elevation. *Revista Espanola De Cardiologia (English Ed)*, **2011**, 64, 1123-1129	0.7	1
57	Influence of preinfarction angina on the release kinetics of endothelial progenitor cells and cytokines during the week after infarction. *European Journal of Clinical Investigation*, **2011**, 41, 1220-6	4.6	5

56	Synthesis and anticancer activity of (RS)-9-(2,3-dihydro-1,4-benzoxaheteroin-2-ylmethyl)-9H-purines. *European Journal of Medicinal Chemistry*, **2011**, 46, 3795-801	6.8	36
55	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. *European Journal of Medicinal Chemistry*, **2011**, 46, 3802-9	6.8	12
54	Reference intervals for blood Cd and Pb in the general population of Sardinia (Italy). *International Journal of Hygiene and Environmental Health*, **2011**, 214, 102-9	6.9	46
53	Transdifferentiation: why and how?. *Cell Biology International*, **2011**, 35, 373-9	4.5	12
52	Assessment of reference ranges for blood Cu, Mn, Se and Zn in a selected Italian population. *Journal of Trace Elements in Medicine and Biology*, **2011**, 25, 19-26	4.1	72
51	Synthesis and anticancer activity of the (R,S)-benzofused 1,5-oxathiepine moiety tethered to purines through alkylidenoxy linkers. *ChemMedChem*, **2011**, 6, 1854-9	3.7	5
50	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. *European Journal of Medicinal Chemistry*, **2011**, 46, 249-58	6.8	34
49	Epigenetic control of retrotransposon expression in human embryonic stem cells. *Molecular and Cellular Biology*, **2011**, 31, 300-16	4.8	110
48	Heavy Metals and Multiple Sclerosis in Sardinian Population (Italy). *Analytical Letters*, **2011**, 44, 1699-1712	2.2	5
47	gef gene expression in MCF-7 breast cancer cells is associated with a better prognosis and induction of apoptosis by p53-mediated signaling pathway. *International Journal of Molecular Sciences*, **2011**, 12, 7445-58	6.3	5
46	The chemotherapeutic drug 5-fluorouracil promotes PKR-mediated apoptosis in a p53-independent manner in colon and breast cancer cells. *PLoS ONE*, **2011**, 6, e23887	3.7	41
45	Differentiation of intestinal epithelial cells mediated by cell confluence and/or exogenous nucleoside supplementation. *Cells Tissues Organs*, **2010**, 191, 478-88	2.1	9
44	Human cardiac tissue induces transdifferentiation of adult stem cells towards cardiomyocytes. *Cytotherapy*, **2010**, 12, 332-7	4.8	43
43	Promotion of human adipose-derived stem cell proliferation mediated by exogenous nucleosides. *Cell Biology International*, **2010**, 34, 917-24	4.5	13
42	Resident and non-resident stem cells in acute myocardial infarction. *Cardiovascular & Hematological Disorders Drug Targets*, **2010**, 10, 202-15	1.1	2
41	Cell surface immobilization of GABAA Rs in cerebellar granule cells depends on the M3/M4 cytoplasmatic loop of the alpha 1 subunit. *Cells Tissues Organs*, **2009**, 189, 420-4	2.1	
40	Acyclonucleosides, modified seco-nucleosides, and salicyl- or catechol-derived acyclic 5-fluorouracil O,N-acetals: antiproliferative activities, cellular differentiation and apoptosis. *Current Medicinal Chemistry*, **2009**, 16, 1166-83	4.3	4
39	Tumour malignancy loss and cell differentiation are associated with induction of gef gene in human melanoma cells. *British Journal of Dermatology*, **2008**, 159, 370-8	4	6

38	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
37	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
36	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
35	Exogenous nucleosides modulate proliferation of rat intestinal epithelial IEC-6 cells. *Journal of Nutrition*, **2007**, 137, 879-84	4.1	11
34	Antiproliferative activity, cell-cycle dysregulation, and cellular differentiation: salicyl- and catechol-derived acyclic 5-fluorouracil O,N-acetals against breast cancer cells. *ChemMedChem*, **2007** , 2, 1814-21	3.7	4
33	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
32	A synthetic uracil derivative with antitumor activity through decreasing cyclin D1 and Cdk1, and increasing p21 and p27 in MCF-7 cells. *Breast Cancer Research and Treatment*, **2007**, 105, 237-46	4.4	18
31	Role of alpha-actin in muscle damage of injured athletes in comparison with traditional markers. *British Journal of Sports Medicine*, **2007**, 41, 442-6	10.3	20
30	5-fluorouracil derivatives induce differentiation mediated by tubulin and HLA class I modulation. *Medicinal Chemistry*, **2007**, 3, 233-9	1.8	10
29	The M3/M4 cytoplasmic loop of the alpha1 subunit restricts GABAARs lateral mobility: a study using fluorescence recovery after photobleaching. *Cytoskeleton*, **2006**, 63, 747-57		7
28	Prognostic value of RT-PCR tyrosinase detection in peripheral blood of melanoma patients. *Disease Markers*, **2006**, 22, 175-81	3.2	15
27	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
26	Synthesis of novel 1-(2,3-dihydro-5H-4,1-benzoxathiepin-3-yl)-uracil and -thymine, and their corresponding S-oxidized derivatives. *Tetrahedron*, **2005**, 61, 10363-10369	2.4	11
25	Antitumoural properties of benzannelated seven-membered 5-fluorouracil derivatives and related open analogues. Molecular markers for apoptosis and cell cycle dysregulation. *Il Farmaco*, **2005**, 60, 91-7		7
24	New medium oxacyclic O,N-acetals and related open analogues: biological activities. *Current Medicinal Chemistry*, **2005**, 12, 1423-38	4.3	10
23	Release of alpha-actin into serum after skeletal muscle damage. *British Journal of Sports Medicine*, **2005**, 39, 830-4	10.3	23
22	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
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20	Actual targets in cytodifferentiation cancer therapy. *Current Topics in Medicinal Chemistry*, **2004**, 4, 175-202	3	12
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