

Mary C Farach-Carson

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.

187
papers

9,815
citations

55
h-index

95
g-index

217
ext. papers

11,362
ext. citations

6.1
avg, IF

6.01
L-index

#	Paper	IF	Citations
187	MUC1 and Polarity Markers INADL and SCRIB Identify Salivary Ductal Cells.. <i>Journal of Dental Research</i> , 2022 , 220345221076122	8.1	0
186	Osteocytic Pericellular Matrix (PCM): Accelerated Degradation under In Vivo Loading and Unloading Conditions Using a Novel Imaging Approach.. <i>Genes</i> , 2021 , 13,	4.2	1
185	Bringing hydrogel-based craniofacial therapies to the clinic. <i>Acta Biomaterialia</i> , 2021 , 138, 1-1	10.8	1
184	NMR Spectroscopy-Based Metabolomics of Platelets to Analyze Brain Tumors. <i>Reports</i> , 2021 , 4, 32	0.4	0
183	All bone metastases are not created equal: Revisiting treatment resistance in renal cell carcinoma. <i>Journal of Bone Oncology</i> , 2021 , 31, 100399	4.5	3
182	Skeletal Functions of Voltage Sensitive Calcium Channels. <i>Current Osteoporosis Reports</i> , 2021 , 19, 206-221	1.4	0
181	Cleavage of the Perlecan-Semaphorin 3A-Plexin A1-Neuropilin-1 (PSPN) Complex by Matrix Metalloproteinase 7/Matrilysin Triggers Prostate Cancer Cell Dyscohesion and Migration. <i>International Journal of Molecular Sciences</i> , 2021 , 22,	6.3	3
180	Discovery of widespread transcription initiation at microsatellites predictable by sequence-based deep neural network. <i>Nature Communications</i> , 2021 , 12, 3297	17.4	3
179	Salivary Gland Tissue Engineering to Relieve Xerostomia 2021 , 348-352		
178	Highly glycosylated MUC1 mediates high affinity L-selectin binding at the human endometrial surface. <i>Journal of Nanobiotechnology</i> , 2021 , 19, 50	9.4	1
177	Beyond Colonoscopy: Exploring New Cell Surface Biomarkers for Detection of Early, Heterogenous Colorectal Lesions. <i>Frontiers in Oncology</i> , 2021 , 11, 657701	5.3	1
176	Immunosuppressed Miniswine as a Model for Testing Cell Therapy Success: Experience With Implants of Human Salivary Stem/Progenitor Cell Constructs. <i>Frontiers in Molecular Biosciences</i> , 2021 , 8, 711602	5.6	0
175	SULF1 suppresses Wnt3A-driven growth of bone metastatic prostate cancer in perlecan-modified 3D cancer-stroma-macrophage triculture models. <i>PLoS ONE</i> , 2020 , 15, e0230354	3.7	5
174	Trabecular Bone Deficit and Enhanced Anabolic Response to Re-Ambulation after Disuse in Perlecan-Deficient Skeleton. <i>Biomolecules</i> , 2020 , 10,	5.9	1
173	Regulation of cranial neural crest cell fate by Irf6 and Twist1 interaction. <i>FASEB Journal</i> , 2020 , 34, 1-1	0.9	
172	Enhanced Viability for Ex vivo 3D Hydrogel Cultures of Patient-Derived Xenografts in a Perfused Microfluidic Platform. <i>Journal of Visualized Experiments</i> , 2020 ,	1.6	2
171	Flipping the Molecular Switch: Influence of Perlecan and Its Modifiers in the Tumor Microenvironment. <i>Advances in Experimental Medicine and Biology</i> , 2020 , 1245, 133-146	3.6	7

170	Perlecan/Hspg2 deficiency impairs bone calcium signaling and associated transcriptome in response to mechanical loading. <i>Bone</i> , 2020 , 131, 115078	4.7	12
169	Building a Functional Salivary Gland for Cell-Based Therapy: More than Secretory Epithelial Acini. <i>Tissue Engineering - Part A</i> , 2020 , 26, 1332-1348	3.9	4
168	Medical and Dental Electronic Health Record Reporting Discrepancies in Integrated Patient Care. <i>JDR Clinical and Translational Research</i> , 2020 , 5, 278-283	2.2	7
167	Cabozantinib Reverses Renal Cell Carcinoma-mediated Osteoblast Inhibition in Three-dimensional Coculture and Reduces Bone Osteolysis. <i>Molecular Cancer Therapeutics</i> , 2020 , 19, 1266-1278	6.1	6
166	SULF1 suppresses Wnt3A-driven growth of bone metastatic prostate cancer in perlecan-modified 3D cancer-stroma-macrophage triculture models 2020 , 15, e0230354		
165	SULF1 suppresses Wnt3A-driven growth of bone metastatic prostate cancer in perlecan-modified 3D cancer-stroma-macrophage triculture models 2020 , 15, e0230354		
164	SULF1 suppresses Wnt3A-driven growth of bone metastatic prostate cancer in perlecan-modified 3D cancer-stroma-macrophage triculture models 2020 , 15, e0230354		
163	SULF1 suppresses Wnt3A-driven growth of bone metastatic prostate cancer in perlecan-modified 3D cancer-stroma-macrophage triculture models 2020 , 15, e0230354		
162	Principles of Regenerative Medicine of the Maxillomandibular Region 2019 , 3-11		
161	Perlecan domain I gradients establish stable biomimetic heparin binding growth factor gradients for cell migration in hydrogels. <i>Acta Biomaterialia</i> , 2019 , 97, 385-398	10.8	13
160	Dynamic Assembly of Human Salivary Stem/Progenitor Microstructures Requires Coordinated Integrin-Mediated Motility. <i>Frontiers in Cell and Developmental Biology</i> , 2019 , 7, 224	5.7	7
159	Reassembly of Functional Human Stem/Progenitor Cells in 3D Culture. <i>Methods in Molecular Biology</i> , 2018 , 1817, 19-32	1.4	6
158	Real-Time Molecular MRI with Hyperpolarized Silicon Particles 2018 , 127-161		1
157	Matrilysin/MMP-7 Cleavage of Perlecan/HSPG2 Complexed with Semaphorin 3A Supports FAK-Mediated Stromal Invasion by Prostate Cancer Cells. <i>Scientific Reports</i> , 2018 , 8, 7262	4.9	17
156	Perlecan/HSPG2: Signaling role of domain IV in chondrocyte clustering with implications for Schwartz-Jampel Syndrome. <i>Journal of Cellular Biochemistry</i> , 2018 , 120, 2138	4.7	12
155	Modular Proteoglycan Perlecan/: Mutations, Phenotypes, and Functions. <i>Genes</i> , 2018 , 9,	4.2	24
154	Matrix Biology of the Salivary Gland: A Guide for Tissue Engineering 2017 , 145-171		0
153	Artificial Induction of Native Aquaporin-1 Expression in Human Salivary Cells. <i>Journal of Dental Research</i> , 2017 , 96, 444-449	8.1	10

152	Retraction of "Tunable Plasmonic Nanoprobes for Theranostics of Prostate Cancer". <i>Theranostics</i> , 2017 , 7, 561	12.1	
151	FANTOM5 CAGE profiles of human and mouse samples. <i>Scientific Data</i> , 2017 , 4, 170112	8.2	88
150	Bottom-up assembly of salivary gland microtissues for assessing myoepithelial cell function. <i>Biomaterials</i> , 2017 , 142, 124-135	15.6	19
149	Inflammatory breast cancer: a model for investigating cluster-based dissemination. <i>Npj Breast Cancer</i> , 2017 , 3, 21	7.8	81
148	Primary Salivary Human Stem/Progenitor Cells Undergo Microenvironment-Driven Acinar-Like Differentiation in Hyaluronate Hydrogel Culture. <i>Stem Cells Translational Medicine</i> , 2017 , 6, 110-120	6.9	38
147	Sex Differences and Bone Metastases of Breast, Lung, and Prostate Cancers: Do Bone Homing Cancers Favor Feminized Bone Marrow?. <i>Frontiers in Oncology</i> , 2017 , 7, 163	5.3	15
146	Heralding a new paradigm in 3D tumor modeling. <i>Biomaterials</i> , 2016 , 108, 197-213	15.6	98
145	Neuronal Trans-Differentiation in Prostate Cancer Cells. <i>Prostate</i> , 2016 , 76, 1312-25	4.2	16
144	Tuning Hydrogel Properties to Promote the Assembly of Salivary Gland Spheroids in 3D. <i>ACS Biomaterials Science and Engineering</i> , 2016 , 2, 2217-2230	5.5	23
143	Single molecule force measurements of perlecan/HSPG2: A key component of the osteocyte pericellular matrix. <i>Matrix Biology</i> , 2016 , 50, 27-38	11.4	32
142	Ultrahigh-throughput Generation and Characterization of Cellular Aggregates in Laser-ablated Microwells of Poly(dimethylsiloxane). <i>RSC Advances</i> , 2016 , 6, 8980-8991	3.7	18
141	Biomaterials-based strategies for salivary gland tissue regeneration. <i>Biomaterials Science</i> , 2016 , 4, 592-604	6.4	27
140	A 3D in vitro model of patient-derived prostate cancer xenograft for controlled interrogation of in vivo tumor-stromal interactions. <i>Biomaterials</i> , 2016 , 77, 164-72	15.6	74
139	Perlecan/HSPG2 and matrilysin/MMP-7 as indices of tissue invasion: tissue localization and circulating perlecan fragments in a cohort of 288 radical prostatectomy patients. <i>Oncotarget</i> , 2016 , 7, 10433-47	3.3	21
138	Tumor Budding: The Name is EMT. Partial EMT. <i>Journal of Clinical Medicine</i> , 2016 , 5,	5.1	258
137	Sustained delivery of recombinant human bone morphogenetic protein-2 from perlecan domain I - functionalized electrospun poly (ε-caprolactone) scaffolds for bone regeneration. <i>Journal of Experimental Orthopaedics</i> , 2016 , 3, 25	2.3	10
136	Three-dimensional (3D) culture of bone-derived human 786-O renal cell carcinoma retains relevant clinical characteristics of bone metastases. <i>Cancer Letters</i> , 2015 , 365, 89-95	9.9	22
135	Salivary Gland Tissue Engineering and Repair 2015 , 613-623		1

134	The role of combined radiation and immunotherapy in breast cancer treatment. <i>Journal of Radiation Oncology</i> , 2015 , 4, 347-354	0.7	2
133	Multilayered, Hyaluronic Acid-Based Hydrogel Formulations Suitable for Automated 3D High Throughput Drug Screening of Cancer-Stromal Cell Cocultures. <i>Advanced Healthcare Materials</i> , 2015 , 4, 1664-74	10.1	36
132	Dissociative and Nondissociative Models for Culture of Human Eccrine Glands for Toxicology Testing and Tissue Engineering Applications. <i>Applied in Vitro Toxicology</i> , 2015 , 1, 187-197	1.3	3
131	Evolution of the perlecan/HSPG2 gene and its activation in regenerating <i>Nematostella vectensis</i> . <i>PLoS ONE</i> , 2015 , 10, e0124578	3.7	14
130	Prostate cancer and neuroendocrine differentiation: more neuronal, less endocrine?. <i>Frontiers in Oncology</i> , 2015 , 5, 37	5.3	49
129	Salivary Gland Tissue Engineering and Future Diagnostics 2015 , 157-185		0
128	A promoter-level mammalian expression atlas. <i>Nature</i> , 2014 , 507, 462-70	50.4	1301
127	TISSUE ENGINEERING PERFUSABLE CANCER MODELS. <i>Current Opinion in Chemical Engineering</i> , 2014 , 3, 112-117	5.4	11
126	A hydrogel-based tumor model for the evaluation of nanoparticle-based cancer therapeutics. <i>Biomaterials</i> , 2014 , 35, 3319-30	15.6	90
125	Three-dimensional in vitro tumor models for cancer research and drug evaluation. <i>Biotechnology Advances</i> , 2014 , 32, 1256-1268	17.8	295
124	Hydrogel-based 3D model of patient-derived prostate xenograft tumors suitable for drug screening. <i>Molecular Pharmaceutics</i> , 2014 , 11, 2040-50	5.6	60
123	Deficiency in perlecan/HSPG2 during bone development enhances osteogenesis and decreases quality of adult bone in mice. <i>Calcified Tissue International</i> , 2014 , 95, 29-38	3.9	21
122	A novel in vivo model for evaluating functional restoration of a tissue-engineered salivary gland. <i>Laryngoscope</i> , 2014 , 124, 456-61	3.6	31
121	Perlecan-containing pericellular matrix regulates solute transport and mechanosensing within the osteocyte lacunar-canalicular system. <i>Journal of Bone and Mineral Research</i> , 2014 , 29, 878-91	6.3	68
120	Hyaluronan: a simple polysaccharide with diverse biological functions. <i>Acta Biomaterialia</i> , 2014 , 10, 1558-708	17.0	377
119	Matrilysin/matrix metalloproteinase-7(MMP7) cleavage of perlecan/HSPG2 creates a molecular switch to alter prostate cancer cell behavior. <i>Matrix Biology</i> , 2014 , 36, 64-76	11.4	49
118	Border patrol: insights into the unique role of perlecan/heparan sulfate proteoglycan 2 at cell and tissue borders. <i>Matrix Biology</i> , 2014 , 34, 64-79	11.4	107
117	IL-1 β induces p62/SQSTM1 and represses androgen receptor expression in prostate cancer cells. <i>Journal of Cellular Biochemistry</i> , 2014 , 115, 2188-97	4.7	25

116	p62/SQSTM1 is required for cell survival of apoptosis-resistant bone metastatic prostate cancer cell lines. <i>Prostate</i> , 2014 , 74, 149-63	4.2	17
115	RANK- and c-Met-mediated signal network promotes prostate cancer metastatic colonization. <i>Endocrine-Related Cancer</i> , 2014 , 21, 311-26	5.7	62
114	Transcriptional activation by NFB increases perlecan/HSPG2 expression in the desmoplastic prostate tumor microenvironment. <i>Journal of Cellular Biochemistry</i> , 2014 , 115, 1322-33	4.7	25
113	Chaperone properties of pdia3 participate in rapid membrane actions of 1 α ,25-dihydroxyvitamin d3. <i>Molecular Endocrinology</i> , 2013 , 27, 1065-77		12
112	Modeling Ewing sarcoma tumors in vitro with 3D scaffolds. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013 , 110, 6500-5	11.5	180
111	Implantable three-dimensional salivary spheroid assemblies demonstrate fluid and protein secretory responses to neurotransmitters. <i>Tissue Engineering - Part A</i> , 2013 , 19, 1610-20	3.9	60
110	Recreating the tumor microenvironment in a bilayer, hyaluronic acid hydrogel construct for the growth of prostate cancer spheroids. <i>Biomaterials</i> , 2012 , 33, 9049-60	15.6	103
109	Improved cellular specificity of plasmonic nanobubbles versus nanoparticles in heterogeneous cell systems. <i>PLoS ONE</i> , 2012 , 7, e34537	3.7	32
108	Hyaluronan (HA) interacting proteins RHAMM and hyaluronidase impact prostate cancer cell behavior and invadopodia formation in 3D HA-based hydrogels. <i>PLoS ONE</i> , 2012 , 7, e50075	3.7	49
107	Hyaluronic Acid-Based Hydrogels: from a Natural Polysaccharide to Complex Networks. <i>Soft Matter</i> , 2012 , 8, 3280-3294	3.6	344
106	A control engineering approach to understanding the TGF- β paradox in cancer. <i>Journal of the Royal Society Interface</i> , 2012 , 9, 1389-97	4.1	13
105	Interleukin-6: a bone marrow stromal cell paracrine signal that induces neuroendocrine differentiation and modulates autophagy in bone metastatic PCa cells. <i>Autophagy</i> , 2012 , 8, 650-63	10.2	53
104	Injectable perlecan domain 1-hyaluronan microgels potentiate the cartilage repair effect of BMP2 in a murine model of early osteoarthritis. <i>Biomedical Materials (Bristol)</i> , 2012 , 7, 024109	3.5	51
103	Co-culture of osteocytes and neurons on a unique patterned surface. <i>Biointerphases</i> , 2011 , 6, 200-9	1.8	6
102	Tunable plasmonic nanoprobe for theranostics of prostate cancer. <i>Theranostics</i> , 2011 , 1, 3-17	12.1	64
101	A new assay for functional screening of BRCA2 linker region mutations identifies variants that alter chemoresistance to cisplatin. <i>Experimental Cell Research</i> , 2011 , 317, 2099-109	4.2	
100	Paracrine factors produced by bone marrow stromal cells induce apoptosis and neuroendocrine differentiation in prostate cancer cells. <i>Prostate</i> , 2011 , 71, 157-67	4.2	29
99	Perlecan/Hspg2 deficiency alters the pericellular space of the lacunocanalicular system surrounding osteocytic processes in cortical bone. <i>Journal of Bone and Mineral Research</i> , 2011 , 26, 618-29	6.3	83

98	Association of the α_1 subunit with $\text{Ca}_v3.2$ enhances membrane expression and regulates mechanically induced ATP release in MLO-Y4 osteocytes. <i>Journal of Bone and Mineral Research</i> , 2011 , 26, 2125-39	6.3	61
97	Tumor necrosis factor- α treatment of HepG2 cells mobilizes a cytoplasmic pool of ERp57/1,25D3-MARRS to the nucleus. <i>Journal of Cellular Biochemistry</i> , 2011 , 112, 2606-15	4.7	19
96	Amphiphilic block co-polyesters bearing pendant cyclic ketal groups as nanocarriers for controlled release of camptothecin. <i>Journal of Biomaterials Science, Polymer Edition</i> , 2011 , 22, 1275-98	3.5	10
95	Rainbow Plasmonic Nanobubbles: Synergistic Activation of Gold Nanoparticle Clusters. <i>Journal of Nanomedicine & Nanotechnology</i> , 2011 , 2, 1-8	1.9	7
94	Effects of 1,25-Dihydroxyvitamin D ₃ on Voltage-Sensitive Calcium Channels in Osteoblast Differentiation and Morphology 2011 , 457-467		
93	Effect of HIP/ribosomal protein L29 deficiency on mineral properties of murine bones and teeth. <i>Bone</i> , 2010 , 47, 93-101	4.7	8
92	Lumen formation in three-dimensional cultures of salivary acinar cells. <i>Otolaryngology - Head and Neck Surgery</i> , 2010 , 142, 191-5	5.5	48
91	Hierarchically structured, hyaluronic acid-based hydrogel matrices via the covalent integration of microgels into macroscopic networks. <i>Soft Matter</i> , 2010 , 6, 5045-5055	3.6	51
90	3D Matrices for Anti-Cancer Drug Testing and Development. <i>Oncology Issues</i> , 2010 , 25, 20-25	0.2	73
89	Mining the extracellular matrix for tissue engineering applications. <i>Regenerative Medicine</i> , 2010 , 5, 961-705		48
88	Biofunctionalization of electrospun PCL-based scaffolds with perlecan domain IV peptide to create a 3-D pharmacokinetic cancer model. <i>Biomaterials</i> , 2010 , 31, 5700-18	15.6	107
87	Involvement of 1,25D3-MARRS (membrane associated, rapid response steroid-binding), a novel vitamin D receptor, in growth inhibition of breast cancer cells. <i>Experimental Cell Research</i> , 2010 , 316, 695-703	4.2	36
86	Nuclear translocation of the 1,25D3-MARRS (membrane associated rapid response to steroids) receptor protein and NFkappaB in differentiating NB4 leukemia cells. <i>Experimental Cell Research</i> , 2010 , 316, 1101-8	4.2	48
85	Fiber diameters control osteoblastic cell migration and differentiation in electrospun gelatin. <i>Journal of Biomedical Materials Research - Part A</i> , 2010 , 94, 1312-20	5.4	61
84	The in vivo performance of plasmonic nanobubbles as cell theranostic agents in zebrafish hosting prostate cancer xenografts. <i>Biomaterials</i> , 2010 , 31, 7567-74	15.6	92
83	Ribozyme-mediated reduction of wild-type and mutant cartilage oligomeric matrix protein (COMP) mRNA and protein. <i>Rna</i> , 2009 , 15, 686-95	5.8	4
82	Perlecan domain IV peptide stimulates salivary gland cell assembly in vitro. <i>Tissue Engineering - Part A</i> , 2009 , 15, 3309-20	3.9	36
81	Dynamic interactions between L-type voltage-sensitive calcium channel $\text{Cav}1.2$ subunits and ahnak in osteoblastic cells. <i>American Journal of Physiology - Cell Physiology</i> , 2009 , 296, C1067-78	5.4	25

80	Rapamycin selectively reduces the association of transcripts containing complex 5QTRs with ribosomes in C4-2B prostate cancer cells. <i>Journal of Cellular Biochemistry</i> , 2009 , 107, 473-81	4.7	4
79	Ribosomal protein L29/HIP deficiency delays osteogenesis and increases fragility of adult bone in mice. <i>Journal of Orthopaedic Research</i> , 2009 , 27, 28-35	3.8	19
78	Perlecan domain I-conjugated, hyaluronic acid-based hydrogel particles for enhanced chondrogenic differentiation via BMP-2 release. <i>Biomaterials</i> , 2009 , 30, 6964-75	15.6	90
77	Multifunctionality of extracellular and cell surface heparan sulfate proteoglycans. <i>Cellular and Molecular Life Sciences</i> , 2009 , 66, 3421-34	10.3	75
76	Hyaluronic acid-based hydrogels as 3D matrices for in vitro evaluation of chemotherapeutic drugs using poorly adherent prostate cancer cells. <i>Biomaterials</i> , 2009 , 30, 6076-85	15.6	222
75	Evaluation of cross-linking methods for electrospun gelatin on cell growth and viability. <i>Biomacromolecules</i> , 2009 , 10, 1675-80	6.9	214
74	Microfabricated electrospun collagen membranes for 3-D cancer models and drug screening applications. <i>Biomacromolecules</i> , 2009 , 10, 2019-32	6.9	58
73	Mecp2 deficiency decreases bone formation and reduces bone volume in a rodent model of Rett syndrome. <i>Bone</i> , 2009 , 45, 346-56	4.7	41
72	Quantitative modeling and analysis of the transforming growth factor beta signaling pathway. <i>Biophysical Journal</i> , 2009 , 96, 1733-50	2.9	46
71	A novel peptide sequence in perlecan domain IV supports cell adhesion, spreading and FAK activation. <i>Matrix Biology</i> , 2008 , 27, 150-60	11.4	41
70	Heparanase expression and activity influences chondrogenic and osteogenic processes during endochondral bone formation. <i>Bone</i> , 2008 , 43, 689-99	4.7	33
69	Decidual heparanase activity is increased during pregnancy in the baboon (<i>Papio anubis</i>) and in in vitro decidualization of human stromal cells. <i>Biology of Reproduction</i> , 2008 , 78, 316-23	3.9	6
68	Novel surface expression of reticulocalbin 1 on bone endothelial cells and human prostate cancer cells is regulated by TNF-alpha. <i>Journal of Cellular Biochemistry</i> , 2008 , 104, 2298-309	4.7	27
67	HIP/RPL29 antagonizes VEGF and FGF2 stimulated angiogenesis by interfering with HS-dependent responses. <i>Journal of Cellular Biochemistry</i> , 2008 , 105, 1183-93	4.7	12
66	Potential role for heparan sulfate proteoglycans in regulation of transforming growth factor-beta (TGF-beta) by modulating assembly of latent TGF-beta-binding protein-1. <i>Journal of Biological Chemistry</i> , 2007 , 282, 26418-30	5.4	80
65	Conditional disruption of calcineurin B1 in osteoblasts increases bone formation and reduces bone resorption. <i>Journal of Biological Chemistry</i> , 2007 , 282, 35318-27	5.4	35
64	Coculture with prostate cancer cells alters endoglin expression and attenuates transforming growth factor-beta signaling in reactive bone marrow stromal cells. <i>Molecular Cancer Research</i> , 2007 , 5, 585-603	6.6	27
63	Perlecan--a multifunctional extracellular proteoglycan scaffold. <i>Glycobiology</i> , 2007 , 17, 897-905	5.8	107

62	Heparanase expression and function during early pregnancy in mice. <i>Biology of Reproduction</i> , 2007 , 77, 433-41	3.9	23
61	Regulation of expression of 1,25D3-MARRS/ERp57/PDIA3 in rat IEC-6 cells by TGF beta and 1,25(OH)2D3. <i>Steroids</i> , 2007 , 72, 144-50	2.8	11
60	Coating electrospun collagen and gelatin fibers with perlecan domain I for increased growth factor binding. <i>Biomacromolecules</i> , 2007 , 8, 1116-23	6.9	121
59	Mechanism of 24,25-dihydroxyvitamin D3-mediated inhibition of rapid, 1,25-dihydroxyvitamin D3-induced responses: role of reactive oxygen species. <i>Journal of Cellular Biochemistry</i> , 2006 , 99, 1572-84	4.7	15
58	Osteoblast Ca(2+) permeability and voltage-sensitive Ca(2+) channel expression is temporally regulated by 1,25-dihydroxyvitamin D(3). <i>American Journal of Physiology - Cell Physiology</i> , 2006 , 290, C822-31	5.4	38
57	beta2-microglobulin is a signaling and growth-promoting factor for human prostate cancer bone metastasis. <i>Cancer Research</i> , 2006 , 66, 9108-16	10.1	88
56	Chondrogenic differentiation on perlecan domain I, collagen II, and bone morphogenetic protein-2-based matrices. <i>Tissue Engineering</i> , 2006 , 12, 2009-24		56
55	Ribozyme-mediated perlecan knockdown impairs chondrogenic differentiation of C3H10T1/2 fibroblasts. <i>Differentiation</i> , 2006 , 74, 53-63	3.5	15
54	Hypoxia increases VEGF-A production by prostate cancer and bone marrow stromal cells and initiates paracrine activation of bone marrow endothelial cells. <i>Clinical and Experimental Metastasis</i> , 2006 , 23, 75-86	4.7	23
53	Spatiotemporal distribution of heparan sulfate epitopes during murine cartilage growth plate development. <i>Histochemistry and Cell Biology</i> , 2006 , 126, 713-22	2.4	6
52	Identification and characterization of 1,25D3-membrane-associated rapid response, steroid (1,25D3-MARRS)-binding protein in rat IEC-6 cells. <i>Steroids</i> , 2005 , 70, 458-63	2.8	34
51	Osteogenic differentiation of rat bone marrow stromal cells cultured on Arg-Gly-Asp modified hydrogels without dexamethasone and beta-glycerol phosphate. <i>Biomaterials</i> , 2005 , 26, 3645-54	15.6	103
50	Differentiation-induced loss of heparan sulfate in human exostosis derived chondrocytes. <i>Differentiation</i> , 2005 , 73, 212-21	3.5	43
49	Phosphorylated osteopontin promotes migration of human choriocarcinoma cells via a p70 S6 kinase-dependent pathway. <i>Journal of Cellular Biochemistry</i> , 2005 , 94, 1218-33	4.7	51
48	Expression of voltage sensitive calcium channel (VSCC) L-type Cav1.2 (alpha1C) and T-type Cav3.2 (alpha1H) subunits during mouse bone development. <i>Developmental Dynamics</i> , 2005 , 234, 54-62	2.9	64
47	Perlecan knockdown in metastatic prostate cancer cells reduces heparin-binding growth factor responses in vitro and tumor growth in vivo. <i>Clinical and Experimental Metastasis</i> , 2005 , 22, 377-90	4.7	55
46	Perlecan domain I promotes fibroblast growth factor 2 delivery in collagen I fibril scaffolds. <i>Tissue Engineering</i> , 2005 , 11, 76-89		50
45	Heparan sulfate proteoglycans: key players in cartilage biology. <i>Critical Reviews in Eukaryotic Gene Expression</i> , 2005 , 15, 29-48	1.3	35

44	Effects of 1,25-Dihydroxyvitamin D3 on Voltage-Sensitive Calcium Channels in the Vitamin D Endocrine System 2005 , 751-760		1
43	Perlecan functions in chondrogenesis: insights from in vitro and in vivo models. <i>Cells Tissues Organs</i> , 2004 , 176, 79-86	2.1	28
42	Osteoprotegerin expression and secretion are regulated by calcium influx through the L-type voltage-sensitive calcium channel. <i>Endocrinology</i> , 2004 , 145, 426-36	4.8	47
41	Attachment, proliferation, and migration of marrow stromal osteoblasts cultured on biomimetic hydrogels modified with an osteopontin-derived peptide. <i>Biomaterials</i> , 2004 , 25, 895-906	15.6	135
40	Modulation of differentiation and mineralization of marrow stromal cells cultured on biomimetic hydrogels modified with Arg-Gly-Asp containing peptides. <i>Journal of Biomedical Materials Research Part B</i> , 2004 , 69, 535-43		121
39	Integrating rapid responses to 1,25-dihydroxyvitamin D3 with transcriptional changes in osteoblasts: Ca ²⁺ regulated pathways to the nucleus. <i>Steroids</i> , 2004 , 69, 543-7	2.8	7
38	Identification and characterization of 1,25D3-membrane-associated rapid response, steroid (1,25D3-MARRS) binding protein. <i>Journal of Steroid Biochemistry and Molecular Biology</i> , 2004 , 89-90, 281-5	5.1	74
37	High extracellular calcium attenuates adipogenesis in 3T3-L1 preadipocytes. <i>Experimental Cell Research</i> , 2004 , 301, 280-92	4.2	60
36	HIP/RPL29 down-regulation accompanies terminal chondrocyte differentiation. <i>Differentiation</i> , 2003 , 71, 322-36	3.5	17
35	Steroid hormone interactions with target cells: cross talk between membrane and nuclear pathways. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2003 , 307, 839-45	4.7	73
34	Chondrogenic activity of the heparan sulfate proteoglycan perlecan maps to the N-terminal domain I. <i>Journal of Bone and Mineral Research</i> , 2002 , 17, 48-55	6.3	61
33	A rapid and simple nonradioactive method for in vitro testing of ribozyme activity. <i>Oligonucleotides</i> , 2002 , 12, 283-8		6
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