Richard G Lebaron

List of Publications by Year
in descending order

39 papers	2,741 citations	257357 24 h-index	395590 33 g-index
41 all docs	41 docs citations	41 times ranked	3209 citing authors

#	Article	IF	Citations
1	Extracellular Matrix Cell Adhesion Peptides: Functional Applications in Orthopedic Materials. Tissue Engineering, 2000, 6, 85-103.	4.9	281
2	Effect of poly(ethylene glycol) molecular weight on tensile and swelling properties of oligo(poly(ethylene glycol) fumarate) hydrogels for cartilage tissue engineering. Journal of Biomedical Materials Research Part B, 2002, 59, 429-437.	3.0	233
3	Î²IG-H3, a Novel Secretory Protein Inducible by Transforming Growth Factor-Î², Is Present in Normal Skin and Promotes the Adhesion and Spreading of Dermal Fibroblasts In Vitro. Journal of Investigative Dermatology, 1995, 104, 844-849.	0.3	199
4	Adhesion of glycosaminoglycan-deficient chinese hamster ovary cell mutants to fibronectin substrata.. Journal of Cell Biology, 1988, 106, 945-952.	2.3	154
5	Cartilage production by rabbit articular chondrocytes on polyglycolic acid scaffolds in a closed bioreactor system. Biotechnology and Bioengineering, 1995, 46, 299-305.	1.7	150
6	Ex vivo synthesis of articular cartilage. Biomaterials, 2000, 21, 2575-2587.	5.7	147
7	Expression of Extracellular Matrix Components Versican, Chondroitin Sulfate, Tenascin, and Hyaluronan, and Their Association with Disease Outcome in Node-Negative Breast Cancer. Clinical Cancer Research, 2004, 10, 2491-2498.	3.2	129
8	In vitro osteogenic differentiation of marrow stromal cells encapsulated in biodegradable hydrogels. Journal of Biomedical Materials Research Part B, 2004, 70A, 235-244.	3.0	122
9	Regulation of stromal versican expression by breast cancer cells and importance to relapse-free survival in patients with node-negative primary breast cancer. Clinical Cancer Research, 2002, 8, 1054-60.	3.2	120
10	Regulated Expression of ADAMTS Family Members in Follicles and Cumulus Oocyte Complexes: Evidence for Specific and Redundant Patterns During Ovulation1. Biology of Reproduction, 2005, 72, 1241-1255.	1.2	114
11	Association of Versican with Dermal Matrices and its Potential Role in Hair Follicle Development and Cycling. Journal of Investigative Dermatology, 1995, 105, 426-431.	0.3	109
12	BASIC SCIENCE OF ARTICULAR CARTILAGE REPAIR. Clinics in Sports Medicine, 2001, 20, 223-247.	0.9	99
13	Regulation of cell substrate adhesion: effects of small galactosaminoglycan-containing proteoglycans.. Journal of Cell Biology, 1992, 118, 1523-1531.	2.3	96
14	Temporal effects of cell adhesion on mechanical characteristics of the single chondrocyte. Journal of Orthopaedic Research, 2003, 21, 88-95.	1.2	76
15	Up-regulation of stromal versican expression in advanced stage serous ovarian cancer. Gynecologic Oncology, 2010, 119, 114-120.	0.6	71
16	Identification of Gal(?1-3)GalNAc bearing glycoproteins at the nodes of ranvier in peripheral nerve. Journal of Neuroscience Research, 1994, 38, 134-141.	1.3	69
17	Up-regulation of a Chondroitin Sulphate Epitope during Regeneration of Mouse Sciatic Nerve: Evidence that the Immunoreactive Molecules are Related to the Chondroitin Sulphate Proteoglycans Decorin and Versican. European Journal of Neuroscience, 1995, 7, 792-804.	1.2	66
18	Modulation of prostate cancer cell attachment to matrix by versican. Cancer Research, 2003, 63, 4786-91.	0.4	65

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19	Development of the cytodetachment technique to quantify mechanical adhesiveness of the single cell. Biomaterials, 1999, 20, 2405-2415.	5.7	58
20	Developmental expression patterns of Beta-ig (Î²IG-H3) and its function as a cell adhesion protein. Mechanisms of Development, 2003, 120, 851-864.	1.7	58
21	Thiol Oxidative Stress Induced by Metabolic Disorders Amplifies Macrophage Chemotactic Responses and Accelerates Atherogenesis and Kidney Injury in LDL Receptor-Deficient Mice. Arteriosclerosis, Thrombosis, and Vascular Biology, 2009, 29, 1779-1786.	1.1	53
22	Interleukin-1Î² selectively decreases the synthesis of versican by arterial smooth muscle cells. Journal of Cellular Biochemistry, 2007, 101, 753-766.	1.2	52
23	The extracellular matrix protein ?IG-H3 is expressed at myotendinous junctions and supports muscle cell adhesion. Cell and Tissue Research, 2003, 313, 93-105.	1.5	41
24	Differences in the magnitude of long-term potentiation produced by theta burst and high frequency stimulation protocols matched in stimulus number. Brain Research Protocols, 2005, 15, 6-13.	1.7	41
25	Quantification of Varying Adhesion Levels in Chondrocytes Using the Cytodetacher. Annals of Biomedical Engineering, 2002, 30, 703-712.	1.3	22
26	C-terminal fragment of transforming growth factor beta-induced protein (TGFBIp) is required for apoptosis in human osteosarcoma cells. Matrix Biology, 2009, 28, 347-353.	1.5	19
27	Proteomic insights into the protective mechanisms of an in vitro oxidative stress model of early stage Parkinson's disease. Neuroscience Letters, 2011, 488, 11-16.	1.0	19
28	An integrin binding peptide reduces rat CA1 hippocampal long-term potentiation during the first few minutes following theta burst stimulation. Neuroscience Letters, 2003, 339, 199-202.	1.0	16
29	Effect of poly(ethylene glycol) molecular weight on tensile and swelling properties of oligo(poly(ethylene glycol) fumarate) hydrogels for cartilage tissue engineering. , 2002, 59, 429.		16
30	BIGH3 protein and macrophages in retinal endothelial cell apoptosis. Apoptosis: an International Journal on Programmed Cell Death, 2015, 20, 29-37.	2.2	12
31	The accumulation of versican in the nodules of benign prostatic hyperplasia. Prostate, 2009, 69, 149-158.	1.2	11
32	Macrophage TGF-<i>Î²</i>1 and the Proapoptotic Extracellular Matrix Protein BIGH3 Induce Renal Cell Apoptosis in Prediabetic and Diabetic Conditions. International Journal of Clinical Medicine, 2016, 07, 496-510.	0.1	8
33	Precision medicine using individualized biosimulations of drug dosing: Alzheimer's disease. , 2014, , .		6
34	In Vivo and In Silico Evidence: Hippocampal Cholesterol Metabolism Decreases with Aging and Increases with Alzheimers Disease -- Modeling Brain Aging and Disease. , 2011, , .		3
35	Transcriptome-To-Metabolomeâ„¢ Biosimulation Reveals Human Hippocampal Hypometabolism with Age and Alzheimerâ€™s Disease. International Journal of Knowledge Discovery in Bioinformatics, 2011, 2, 1-18.	0.8	3
36	Biomarkers from biosimulations: Transcriptome-to-reactome™ Technology for individualized medicine. , 2014, 2014, 3452-5.		2

#	Article	IF	Citations
37	A focal adhesion-like process underlies induction of long-term potentiation in the Schaffer collateral-CA1 region of the hippocampus. Neuron Glia Biology, 2004, 1, 385-393.	2.0	1
38	Extracellular ligands involved in learning and memory. Matrix Biology, 2008, 27, 46.	1.5	0
39	Transcriptome to Reactome Deterministic Modeling: Validation of in Silico Simulations of Transforming Growth Factor-Î²1 Signaling in MG63 Osteosarcoma Cells, TTR Deterministic Modeling. Advances in Intelligent and Soft Computing, 2012, , 451-457.	0.2	0