Deirdre R Coombe

List of Publications by Year
in descending order

57 papers	2,038 citations	218381 26 h-index	243296 44 g-index
59 all docs	59 docs citations	59 times ranked	2644 citing authors

#	Article	IF	Citations
1	Heparin and Related Drugs. , 2021, , 1-8.		0
2	Evidence of a putative glycosaminoglycan binding site on the glycosylated SARS-CoV-2 spike protein N-terminal domain. Computational and Structural Biotechnology Journal, 2021, 19, 2806-2818.	1.9	33
3	Heparin and Related Drugs. , 2021, , 779-786.		0
4	Cross-Species Analysis of Glycosaminoglycan Binding Proteins Reveals Some Animal Models Are â€œMore Equalâ€•than Others. Molecules, 2019, 24, 924.	1.7	9
5	Heparanase: A Challenging Cancer Drug Target. Frontiers in Oncology, 2019, 9, 1316.	1.3	53
6	In Vitro Expansion of Keratinocytes on Human Dermal Fibroblast-Derived Matrix Retains Their Stem-Like Characteristics. Scientific Reports, 2019, 9, 18561.	1.6	27
7	Interaction Between Skeletal Muscle Cells and Extracellular Matrix Proteins Using a Serum Free Culture System. Methods in Molecular Biology, 2019, 1889, 185-212.	0.4	0
8	Transdifferentiation of pancreatic progenitor cells to hepatocyte-like cells is not serum-dependent when facilitated by extracellular matrix proteins. Scientific Reports, 2018, 8, 4385.	1.6	7
9	Silk fibroin scaffolds with muscle-like elasticity support in vitro differentiation of human skeletal muscle cells. Journal of Tissue Engineering and Regenerative Medicine, 2017, 11, 3178-3192.	1.3	31
10	Cover Image, Volume 11, Issue 11. Journal of Tissue Engineering and Regenerative Medicine, 2017, 11, i-i.	1.3	0
11	Heparin Mimetics: Their Therapeutic Potential. Pharmaceuticals, 2017, 10, 78.	1.7	84
12	Airway epithelial repair in health and disease: Orchestrator or simply a player?. Respirology, 2016, 21, 438-448.	1.3	24
13	Editorial: Carbohydrates: The Yet to be Tasted Sweet Spot of Immunity. Frontiers in Immunology, 2015, 6, 314.	2.2	5
14	The Interaction of Heparin Tetrasaccharides with Chemokine CCL5 Is Modulated by Sulfation Pattern and pH. Journal of Biological Chemistry, 2015, 290, 15421-15436.	1.6	52
15	Interactions between Skeletal Muscle Myoblasts and their Extracellular Matrix Revealed by a Serum Free Culture System. PLoS ONE, 2015, 10, e0127675.	1.1	63
16	Letter to the Glycoforum Transforming Glycoscience: An Australian Perspective. Glycobiology, 2014, 24, 1-3.	1.3	1
17	Melanoma Biomolecules: Independently Identified but Functionally Intertwined. Frontiers in Oncology, 2013, 3, 252.	1.3	35
18	The Role of Immunoglobulin Superfamily Cell Adhesion Molecules in Cancer Metastasis. International Journal of Cell Biology, 2012, 2012, 1-9.	1.0	140

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19	ILâ€2 repositioned. Immunology and Cell Biology, 2012, 90, 135-136.	1.0	0
20	Heparin Mimetics. Handbook of Experimental Pharmacology, 2012, , 361-383.	0.9	21
21	Liver progenitor cell interactions with the extracellular matrix. Journal of Tissue Engineering and Regenerative Medicine, 2012, 7, n/a-n/a.	1.3	14
22	Kinetics of Chemokineâ€“Glycosaminoglycan Interactions Control Neutrophil Migration into the Airspaces of the Lungs. Journal of Immunology, 2010, 184, 2677-2685.	0.4	92
23	Feature, Structure and Classification of Adhesion Molecules. , 2010, , 1-19.		2
24	hShroom1 links a membrane bound protein to the actin cytoskeleton. Cellular and Molecular Life Sciences, 2009, 66, 681-696.	2.4	15
25	Biological implications of glycosaminoglycan interactions with haemopoietic cytokines. Immunology and Cell Biology, 2008, 86, 598-607.	1.0	62
26	Platelet Endothelial Cell Adhesion Molecule 1 (PECAM-1) and Its Interactions with Glycosaminoglycans: 1. Molecular Modeling Studies. Biochemistry, 2008, 47, 4851-4862.	1.2	37
27	Platelet Endothelial Cell Adhesion Molecule 1 (PECAM-1) and Its Interactions with Glycosaminoglycans: 2. Biochemical Analyses. Biochemistry, 2008, 47, 4863-4875.	1.2	29
28	Direct detection of the binding of avidin and lactoferrin fluorescent probes to heparinized surfaces. Analytical Biochemistry, 2005, 339, 206-215.	1.1	5
29	A Structural Analysis of Heparin-like Glycosaminoglycans Using MALDI-TOF Mass Spectrometry. ChemInform, 2005, 36, no.	0.1	0
30	A structural analysis of heparinâ€'like glycosaminoglycans using MALDIâ€'TOF mass spectrometry. Spectroscopy, 2004, 18, 185-201.	0.8	8
31	Probing the Interactions of Phosphosulfomannans with Angiogenic Growth Factors by Surface Plasmon Resonance. Journal of Medicinal Chemistry, 2003, 46, 4601-4608.	2.9	77
32	Avidin is a heparin-binding protein. Affinity, specificity and structural analysis. Biochimica Et Biophysica Acta - General Subjects, 2003, 1620, 225-234.	1.1	45
33	Proteinâ€“heparin interactions measured by BIAcore 2000 are affected by the method of heparin immobilization. Analytical Biochemistry, 2002, 310, 199-207.	1.1	113
34	Cell-surface heparan sulfate facilitates human immunodeficiency virus Type 1 entry into some cell lines but not primary lymphocytes. Virus Research, 1999, 60, 159-169.	1.1	42
35	Expressed luciferase viability assay (ELVA) for the measurement of cell growth and viability. Journal of Immunological Methods, 1998, 215, 145-150.	0.6	28
36	Interleukin-5 binds to heparin/heparan sulfate. A model for an interaction with extracellular matrix. Journal of Leukocyte Biology, 1998, 63, 342-350.	1.5	75

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37	Hepatitis B virus binding to leucocyte plasma membranes utilizes a different region of the preS1 domain to the hepatocyte receptor binding site and does not require receptors for opsonins. Immunology and Cell Biology, 1997, 75, 259-266.	1.0	2
38	Beta-1 Integrins mediate tumour cell adhesion to quiescent endothelial cells in vitro. British Journal of Cancer, 1996, 74, 1762-1766.	2.9	21
39	Endothelial CD44H mediates adhesion of a melanoma cell line to quiescent human endothelial cellsin vitro. , 1996, 65, 513-518.		19
40	The Role of Stromal Cell Heparan Sulphate in Regulating Haemopoiesis. Leukemia and Lymphoma, 1996, 21, 399-406.	0.6	16
41	A simple fluorometric assay for quantifying the adhesion of tumour cells to endothelial monolayers. Clinical and Experimental Metastasis, 1995, 13, 155-164.	1.7	12
42	Low Anticoagulant Heparin Retains Anti-HIV Type 1 Activityin Vitro. AIDS Research and Human Retroviruses, 1995, 11, 1393-1396.	0.5	9
43	MHC proteins and heparan sulphate proteoglycans regulate murine cytomegalovirus infection. Immunology and Cell Biology, 1995, 73, 308-315.	1.0	8
44	Anti-HIV-1 Activity of Chemically Modified Heparins: Correlation between Binding to the V3 Loop of gp120 and Inhibition of Cellular HIV-1 Infection in vitro. Biochemistry, 1994, 33, 6974-6980.	1.2	71
45	Heparin specifically inhibits binding of V3 loop antibodies to HIV-1 gp120, an effect potentiated by CD4 binding. Aids, 1994, 8, 183-192.	1.0	71
46	Serum Amyloid P Component (SAP)-Like Protein From Botryllid Ascidians Provides a Clue to Amyloid Function. Autoimmunity, 1992, 3, 67-84.	0.6	7
47	A basement-membrane permeability assay which correlates with the metastatic potential of tumour cells. International Journal of Cancer, 1992, 52, 378-383.	2.3	35
48	Isolation and characterization of cell adhesion molecules from the marine sponge, Ophlitaspongia tenuis. Biochimica Et Biophysica Acta - General Subjects, 1991, 1073, 56-64.	1.1	16
49	Lymphocyte homing receptors cloned â€" a role for anionic polysaccharides in lymphocyte adhesion. Trends in Immunology, 1989, 10, 289-291.	7.5	43
50	Sulfated Polysaccharide-Mediated Sponge Cell Aggregation: The Clue to Invertebrate Self/Nonself-Recognition?. , 1988, , 31-54.		4
51	A role for sulfated polysaccharide recognition in sponge cell aggregation. Experimental Cell Research, 1987, 170, 381-401.	1.2	27
52	Analysis of the inhibition of tumour metastasis by sulphated polysaccharides. International Journal of Cancer, 1987, 39, 82-88.	2.3	161
53	Evidence that sulphated polysaccharides inhibit tumour metastasis by blocking tumour-cell-derived heparanases. International Journal of Cancer, 1987, 40, 511-518.	2.3	158
54	Particle recognition by haemocytes from the colonial ascidianBotrylloides leachii: Evidence that theB. leachii HA-2 agglutinin is opsonic. Journal of Comparative Physiology B: Biochemical, Systemic, and Environmental Physiology, 1984, 154, 509-521.	0.7	38

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55	Self/Non-Self Recognition in Invertebrates. Quarterly Review of Biology, 1984, 59, 231-255.	0.0	67
56	Identification of the HA-2 agglutinin in the haemolymph of the ascidian Botrylloidesleachii as the factor promoting adhesion of sheep erythrocytes to mouse macrophages. Developmental and Comparative Immunology, 1982, 6, 65-73.	1.0	10
57	HAEMAGGLUTININ LEVELS IN HAEMOLYMPH FROM THE COLONIAL ASCIDIAN BOTRYLLOIDES LEACHII FOLLOWING INJECTION WITH SHEEP OR CHICKEN ERYTHROCYTES. The Australian Journal of Experimental Biology and Medical Science, 1982, 60, 359-368.	0.7	10