

# Deirdre R Coombe

## List of Publications by Year in descending order

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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	Analysis of the inhibition of tumour metastasis by sulphated polysaccharides. <i>International Journal of Cancer</i> , 1987, 39, 82-88.	2.3	161
2	Evidence that sulphated polysaccharides inhibit tumour metastasis by blocking tumour-cell-derived heparanases. <i>International Journal of Cancer</i> , 1987, 40, 511-518.	2.3	158
3	The Role of Immunoglobulin Superfamily Cell Adhesion Molecules in Cancer Metastasis. <i>International Journal of Cell Biology</i> , 2012, 2012, 1-9.	1.0	140
4	Protein-heparin interactions measured by BIAcore 2000 are affected by the method of heparin immobilization. <i>Analytical Biochemistry</i> , 2002, 310, 199-207.	1.1	113
5	Kinetics of Chemokine-Glycosaminoglycan Interactions Control Neutrophil Migration into the Airspaces of the Lungs. <i>Journal of Immunology</i> , 2010, 184, 2677-2685.	0.4	92
6	Heparin Mimetics: Their Therapeutic Potential. <i>Pharmaceuticals</i> , 2017, 10, 78.	1.7	84
7	Probing the Interactions of Phosphosulfomannans with Angiogenic Growth Factors by Surface Plasmon Resonance. <i>Journal of Medicinal Chemistry</i> , 2003, 46, 4601-4608.	2.9	77
8	Interleukin-5 binds to heparin/heparan sulfate. A model for an interaction with extracellular matrix. <i>Journal of Leukocyte Biology</i> , 1998, 63, 342-350.	1.5	75
9	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. <i>Biochemistry</i> , 1994, 33, 6974-6980.	1.2	71
10	Heparin specifically inhibits binding of V3 loop antibodies to HIV-1 gp120, an effect potentiated by CD4 binding. <i>Aids</i> , 1994, 8, 183-192.	1.0	71
11	Self/Non-Self Recognition in Invertebrates. <i>Quarterly Review of Biology</i> , 1984, 59, 231-255.	0.0	67
12	Interactions between Skeletal Muscle Myoblasts and their Extracellular Matrix Revealed by a Serum Free Culture System. <i>PLoS ONE</i> , 2015, 10, e0127675.	1.1	63
13	Biological implications of glycosaminoglycan interactions with haemopoietic cytokines. <i>Immunology and Cell Biology</i> , 2008, 86, 598-607.	1.0	62
14	Heparanase: A Challenging Cancer Drug Target. <i>Frontiers in Oncology</i> , 2019, 9, 1316.	1.3	53
15	The Interaction of Heparin Tetrasaccharides with Chemokine CCL5 Is Modulated by Sulfation Pattern and pH. <i>Journal of Biological Chemistry</i> , 2015, 290, 15421-15436.	1.6	52
16	Avidin is a heparin-binding protein. Affinity, specificity and structural analysis. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2003, 1620, 225-234.	1.1	45
17	Lymphocyte homing receptors cloned - a role for anionic polysaccharides in lymphocyte adhesion. <i>Trends in Immunology</i> , 1989, 10, 289-291.	7.5	43
18	Cell-surface heparan sulfate facilitates human immunodeficiency virus Type 1 entry into some cell lines but not primary lymphocytes. <i>Virus Research</i> , 1999, 60, 159-169.	1.1	42

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19	Particle recognition by haemocytes from the colonial ascidian <i>Botrylloides leachii</i> : Evidence that the B. leachii HA-2 agglutinin is opsonic. <i>Journal of Comparative Physiology B: Biochemical, Systemic, and Environmental Physiology</i> , 1984, 154, 509-521.	0.7	38
20	Platelet Endothelial Cell Adhesion Molecule 1 (PECAM-1) and Its Interactions with Glycosaminoglycans: 1. Molecular Modeling Studies. <i>Biochemistry</i> , 2008, 47, 4851-4862.	1.2	37
21	A basement-membrane permeability assay which correlates with the metastatic potential of tumour cells. <i>International Journal of Cancer</i> , 1992, 52, 378-383.	2.3	35
22	Melanoma Biomolecules: Independently Identified but Functionally Intertwined. <i>Frontiers in Oncology</i> , 2013, 3, 252.	1.3	35
23	Evidence of a putative glycosaminoglycan binding site on the glycosylated SARS-CoV-2 spike protein N-terminal domain. <i>Computational and Structural Biotechnology Journal</i> , 2021, 19, 2806-2818.	1.9	33
24	Silk fibroin scaffolds with muscle-like elasticity support in vitro differentiation of human skeletal muscle cells. <i>Journal of Tissue Engineering and Regenerative Medicine</i> , 2017, 11, 3178-3192.	1.3	31
25	Platelet Endothelial Cell Adhesion Molecule 1 (PECAM-1) and Its Interactions with Glycosaminoglycans: 2. Biochemical Analyses. <i>Biochemistry</i> , 2008, 47, 4863-4875.	1.2	29
26	Expressed luciferase viability assay (ELVA) for the measurement of cell growth and viability. <i>Journal of Immunological Methods</i> , 1998, 215, 145-150.	0.6	28
27	A role for sulfated polysaccharide recognition in sponge cell aggregation. <i>Experimental Cell Research</i> , 1987, 170, 381-401.	1.2	27
28	In Vitro Expansion of Keratinocytes on Human Dermal Fibroblast-Derived Matrix Retains Their Stem-Like Characteristics. <i>Scientific Reports</i> , 2019, 9, 18561.	1.6	27
29	Airway epithelial repair in health and disease: Orchestrator or simply a player?. <i>Respirology</i> , 2016, 21, 438-448.	1.3	24
30	Beta-1 Integrins mediate tumour cell adhesion to quiescent endothelial cells in vitro. <i>British Journal of Cancer</i> , 1996, 74, 1762-1766.	2.9	21
31	Heparin Mimetics. <i>Handbook of Experimental Pharmacology</i> , 2012, , 361-383.	0.9	21
32	Endothelial CD44H mediates adhesion of a melanoma cell line to quiescent human endothelial cells in vitro. , 1996, 65, 513-518.		19
33	Isolation and characterization of cell adhesion molecules from the marine sponge, <i>Ophlitaspongia tenuis</i> . <i>Biochimica Et Biophysica Acta - General Subjects</i> , 1991, 1073, 56-64.	1.1	16
34	The Role of Stromal Cell Heparan Sulphate in Regulating Haemopoiesis. <i>Leukemia and Lymphoma</i> , 1996, 21, 399-406.	0.6	16
35	hShroom1 links a membrane bound protein to the actin cytoskeleton. <i>Cellular and Molecular Life Sciences</i> , 2009, 66, 681-696.	2.4	15
36	Liver progenitor cell interactions with the extracellular matrix. <i>Journal of Tissue Engineering and Regenerative Medicine</i> , 2012, 7, n/a-n/a.	1.3	14

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37	A simple fluorometric assay for quantifying the adhesion of tumour cells to endothelial monolayers. <i>Clinical and Experimental Metastasis</i> , 1995, 13, 155-164.	1.7	12
38	Identification of the HA-2 agglutinin in the haemolymph of the ascidian <i>Botrylloides leachii</i> as the factor promoting adhesion of sheep erythrocytes to mouse macrophages. <i>Developmental and Comparative Immunology</i> , 1982, 6, 65-73.	1.0	10
39	HAEMAGGLUTININ LEVELS IN HAEMOLYMPH FROM THE COLONIAL ASCIDIAN <i>BOTRYLLOIDES LEACHII</i> FOLLOWING INJECTION WITH SHEEP OR CHICKEN ERYTHROCYTES. <i>The Australian Journal of Experimental Biology and Medical Science</i> , 1982, 60, 359-368.	0.7	10
40	Low Anticoagulant Heparin Retains Anti-HIV Type 1 Activity <i>in Vitro</i> . <i>AIDS Research and Human Retroviruses</i> , 1995, 11, 1393-1396.	0.5	9
41	Cross-Species Analysis of Glycosaminoglycan Binding Proteins Reveals Some Animal Models Are "More Equal" than Others. <i>Molecules</i> , 2019, 24, 924.	1.7	9
42	MHC proteins and heparan sulphate proteoglycans regulate murine cytomegalovirus infection. <i>Immunology and Cell Biology</i> , 1995, 73, 308-315.	1.0	8
43	A structural analysis of heparin-like glycosaminoglycans using MALDI-TOF mass spectrometry. <i>Spectroscopy</i> , 2004, 18, 185-201.	0.8	8
44	Serum Amyloid P Component (SAP)-Like Protein From Botryllid Ascidians Provides a Clue to Amyloid Function. <i>Autoimmunity</i> , 1992, 3, 67-84.	0.6	7
45	Transdifferentiation of pancreatic progenitor cells to hepatocyte-like cells is not serum-dependent when facilitated by extracellular matrix proteins. <i>Scientific Reports</i> , 2018, 8, 4385.	1.6	7
46	Direct detection of the binding of avidin and lactoferrin fluorescent probes to heparinized surfaces. <i>Analytical Biochemistry</i> , 2005, 339, 206-215.	1.1	5
47	Editorial: Carbohydrates: The Yet to be Tasted Sweet Spot of Immunity. <i>Frontiers in Immunology</i> , 2015, 6, 314.	2.2	5
48	Sulfated Polysaccharide-Mediated Sponge Cell Aggregation: The Clue to Invertebrate Self/Nonself-Recognition?. , 1988, , 31-54.		4
49	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. <i>Immunology and Cell Biology</i> , 1997, 75, 259-266.	1.0	2
50	Feature, Structure and Classification of Adhesion Molecules. , 2010, , 1-19.		2
51	Letter to the Glycoforum Transforming Glycoscience: An Australian Perspective. <i>Glycobiology</i> , 2014, 24, 1-3.	1.3	1
52	A Structural Analysis of Heparin-like Glycosaminoglycans Using MALDI-TOF Mass Spectrometry. <i>ChemInform</i> , 2005, 36, no.	0.1	0
53	IL-2 repositioned. <i>Immunology and Cell Biology</i> , 2012, 90, 135-136.	1.0	0
54	Cover Image, Volume 11, Issue 11. <i>Journal of Tissue Engineering and Regenerative Medicine</i> , 2017, 11, i-i.	1.3	0

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55	Interaction Between Skeletal Muscle Cells and Extracellular Matrix Proteins Using a Serum Free Culture System. <i>Methods in Molecular Biology</i> , 2019, 1889, 185-212.	0.4	0
56	Heparin and Related Drugs. , 2021, , 1-8.		0
57	Heparin and Related Drugs. , 2021, , 779-786.		0