

David G Fernig

List of Publications by Year in descending order

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208
papers

12,774
citations

41627

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31191

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all docs

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docs citations

234
times ranked

18932
citing authors

#	ARTICLE	IF	CITATIONS
1	Anion binding to a cationic europium(ⁱⁱⁱ) probe enables the first real-time assay of heparan sulfotransferase activity. <i>Organic and Biomolecular Chemistry</i> , 2022, 20, 596-605.	1.5	5
2	New tools for carbohydrate sulfation analysis: heparan sulfate 2-O-sulfotransferase (HS2ST) is a target for small-molecule protein kinase inhibitors. <i>Biochemical Journal</i> , 2021, 475, 2417-2433.	1.7	17
3	A pipeline to evaluate inhibitors of the <i>Pseudomonas aeruginosa</i> exotoxin U. <i>Biochemical Journal</i> , 2021, 478, 647-668.	1.7	13
4	Glycosaminoglycans from <i>Litopenaeus vannamei</i> Inhibit the Alzheimer's Disease β Secretase, BACE1. <i>Marine Drugs</i> , 2021, 19, 203.	2.2	8
5	Endocytosis and the Participation of Glycosaminoglycans Are Important to the Mechanism of Cell Death Induced by β -Hairpin Antimicrobial Peptides. <i>ACS Applied Bio Materials</i> , 2021, 4, 6488-6501.	2.3	2
6	Assessment of changes in autophagic vesicles in human immune cell lines exposed to nano particles. <i>Cell and Bioscience</i> , 2021, 11, 133.	2.1	3
7	Heparan sulfate: <i>in vitro</i> and <i>in vivo</i> proof of efficacy of this new therapeutic strategy for halting Alzheimer disease-related tauopathy development. <i>Alzheimer's and Dementia</i> , 2021, 17, .	0.4	0
8	SimpleDSFviewer: A tool to analyze and view differential scanning fluorimetry data for characterizing protein thermal stability and interactions. <i>Protein Science</i> , 2020, 29, 19-27.	3.1	23
9	Heparin Inhibits Cellular Invasion by SARS-CoV-2: Structural Dependence of the Interaction of the Spike S1 Receptor-Binding Domain with Heparin. <i>Thrombosis and Haemostasis</i> , 2020, 120, 1700-1715.	1.8	228
10	Inhibition of BACE1, the β -secretase implicated in Alzheimer's disease, by a chondroitin sulfate extract from <i>Sardina pilchardus</i> . <i>Neural Regeneration Research</i> , 2020, 15, 1546.	1.6	16
11	Enhanced cell-cell contact stability and decreased N-cadherin-mediated migration upon fibroblast growth factor receptor-N-cadherin cross talk. <i>Oncogene</i> , 2019, 38, 6283-6300.	2.6	19
12	Sulfated polysaccharides interact with fibroblast growth factors and protect from denaturation. <i>FEBS Open Bio</i> , 2019, 9, 1477-1487.	1.0	25
13	The heparin-binding proteome in normal pancreas and murine experimental acute pancreatitis. <i>PLoS ONE</i> , 2019, 14, e0217633.	1.1	27
14	Enhanced inhibition of influenza virus infection by peptide-noble-metal nanoparticle conjugates. <i>Beilstein Journal of Nanotechnology</i> , 2019, 10, 1038-1047.	1.5	47
15	A Glycosaminoglycan Extract from <i>Portunus pelagicus</i> Inhibits BACE1, the β Secretase Implicated in Alzheimer's Disease. <i>Marine Drugs</i> , 2019, 17, 293.	2.2	6
16	<i>Pseudomonas aeruginosa</i> Toxin ExoU as a Therapeutic Target in the Treatment of Bacterial Infections. <i>Microorganisms</i> , 2019, 7, 707.	1.6	39
17	Structure-based design of nucleoside-derived analogues as sulfotransferase inhibitors. <i>RSC Advances</i> , 2019, 9, 32165-32173.	1.7	5
18	Highly efficient production of functional recombinant human fibroblast growth factor 22 in <i>E. coli</i> and its protective effects on H ₂ O ₂ -lesioned L02 cells. <i>Protein Expression and Purification</i> , 2018, 152, 114-121.	0.6	2

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19	Large-Scale Expression, Purification of Bioactive Recombinant Human FGF6 in E. coli and the Mechanisms of Its Myocardial Protection. <i>International Journal of Peptide Research and Therapeutics</i> , 2018, 24, 105-115.	0.9	1
20	New tools for evaluating protein tyrosine sulfation: tyrosylprotein sulfotransferases (TPSTs) are novel targets for RAF protein kinase inhibitors. <i>Biochemical Journal</i> , 2018, 475, 2435-2455.	1.7	33
21	Biocompatible Peptide-Coated Ultrasmall Superparamagnetic Iron Oxide Nanoparticles for <i>In Vivo</i> Contrast-Enhanced Magnetic Resonance Imaging. <i>ACS Nano</i> , 2018, 12, 6480-6491.	7.3	76
22	Functional examination of novel kisspeptin phosphinic peptides. <i>PLoS ONE</i> , 2018, 13, e0195089.	1.1	3
23	Expression and purification of an FGF9 fusion protein in E. coli, and the effects of the FGF9 subfamily on human hepatocellular carcinoma cell proliferation and migration. <i>Applied Microbiology and Biotechnology</i> , 2017, 101, 7823-7835.	1.7	21
24	Specific Internalisation of Gold Nanoparticles into Engineered Porous Protein Cages via Affinity Binding. <i>PLoS ONE</i> , 2016, 11, e0162848.	1.1	3
25	Differential sub-nuclear distribution of hypoxia-inducible factors (HIF)-1 and -2 alpha impacts on their stability and mobility. <i>Open Biology</i> , 2016, 6, 160195.	1.5	24
26	High colloidal stability of gold nanorods coated with a peptide-ethylene glycol: Analysis by cyanide-mediated etching and nanoparticle tracking analysis. <i>Colloids and Surfaces B: Biointerfaces</i> , 2016, 146, 871-878.	2.5	2
27	Heparin binding preference and structures in the fibroblast growth factor family parallel their evolutionary diversification. <i>Open Biology</i> , 2016, 6, 150275.	1.5	50
28	Selectivity in glycosaminoglycan binding dictates the distribution and diffusion of fibroblast growth factors in the pericellular matrix. <i>Open Biology</i> , 2016, 6, 150277.	1.5	22
29	In silico analyses of heparin binding proteins expression in human periodontal tissues. <i>BMC Research Notes</i> , 2016, 9, 53.	0.6	4
30	High production in E. coli of biologically active recombinant human fibroblast growth factor 20 and its neuroprotective effects. <i>Applied Microbiology and Biotechnology</i> , 2016, 100, 3023-3034.	1.7	12
31	Fibroblast growth factors as tissue repair and regeneration therapeutics. <i>PeerJ</i> , 2016, 4, e1535.	0.9	77
32	A descriptive guide for absolute quantification of produced shRNA pseudotyped lentiviral particles by real-time PCR. <i>Journal of Biological Methods</i> , 2016, 3, e55.	1.0	1
33	Cytokines and growth factors cross-link heparan sulfate. <i>Open Biology</i> , 2015, 5, 150046.	1.5	55
34	Structural determinants of heparin-transforming growth factor- β 1 interactions and their effects on signaling. <i>Glycobiology</i> , 2015, 25, 1491-1504.	1.3	38
35	Detection of interaction between protein tryptophan residues and small or macromolecular ligands by synchrotron radiation magnetic circular dichroism. <i>Analytical Methods</i> , 2015, 7, 1667-1671.	1.3	1
36	Targeting Cell Membrane Lipid Rafts by Stoichiometric Functionalization of Gold Nanoparticles with a Sphingolipid-Binding Domain Peptide. <i>Advanced Healthcare Materials</i> , 2015, 4, 911-917.	3.9	11

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37	Photothermal raster image correlation spectroscopy of gold nanoparticles in solution and on live cells. <i>Royal Society Open Science</i> , 2015, 2, 140454.	1.1	21
38	HaloTag is an effective expression and solubilisation fusion partner for a range of fibroblast growth factors. <i>PeerJ</i> , 2015, 3, e1060.	0.9	32
39	Proliferation and migration activities of fibroblast growth factor-2 in endothelial cells are modulated by its direct interaction with heparin affini regulatory peptide. <i>Biochimie</i> , 2014, 107, 350-357.	1.3	8
40	A rapid method to estimate the concentration of citrate capped silver nanoparticles from UV-visible light spectra. <i>Analyst</i> , 2014, 139, 4855.	1.7	548
41	Monovalent maleimide functionalization of gold nanoparticles via copper-free click chemistry. <i>Chemical Communications</i> , 2014, 50, 13157-13160.	2.2	22
42	Partial mitigation of gold nanoparticle interactions with human lymphocytes by surface functionalization with a "mixed matrix"™. <i>Nanomedicine</i> , 2014, 9, 2467-2479.	1.7	16
43	Characterisation of the interaction of neuropilin-1 with heparin and a heparan sulfate mimetic library of heparin-derived sugars. <i>PeerJ</i> , 2014, 2, e461.	0.9	14
44	Network based meta-analysis prediction of microenvironmental relays involved in stemness of human embryonic stem cells. <i>PeerJ</i> , 2014, 2, e618.	0.9	2
45	Analysis of the fibroblast growth factor receptor (FGFR) signalling network with heparin as coreceptor: evidence for the expansion of the core FGFR signalling network. <i>FEBS Journal</i> , 2013, 280, 2260-2270.	2.2	24
46	The heparin-binding protein interactome in pancreatic diseases. <i>Pancreatology</i> , 2013, 13, 598-604.	0.5	16
47	S-Layer Proteins. , 2013, , 540-602.		1
48	Transport of Fibroblast Growth Factor 2 in the Pericellular Matrix Is Controlled by the Spatial Distribution of Its Binding Sites in Heparan Sulfate. <i>PLoS Biology</i> , 2012, 10, e1001361.	2.6	103
49	Features of Thiolated Ligands Promoting Resistance to Ligand Exchange in Self-Assembled Monolayers on Gold Nanoparticles. <i>Australian Journal of Chemistry</i> , 2012, 65, 266.	0.5	16
50	Diversification of the Structural Determinants of Fibroblast Growth Factor-Heparin Interactions. <i>Journal of Biological Chemistry</i> , 2012, 287, 40061-40073.	1.6	69
51	S100P Dissociates Myosin IIA Filaments and Focal Adhesion Sites to Reduce Cell Adhesion and Enhance Cell Migration. <i>Journal of Biological Chemistry</i> , 2012, 287, 15330-15344.	1.6	64
52	Fundamental differences in model cell-surface polysaccharides revealed by complementary optical and spectroscopic techniques. <i>Soft Matter</i> , 2012, 8, 6521.	1.2	7
53	Long-term tracking of cells using inorganic nanoparticles as contrast agents: are we there yet?. <i>Chemical Society Reviews</i> , 2012, 41, 2707.	18.7	157
54	Single Molecule Imaging with Stable 6 NM Quantum Dots. <i>Biophysical Journal</i> , 2012, 102, 182a.	0.2	0

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55	Glycans: pervasive regulators of protein and cellular function. <i>Current Opinion in Structural Biology</i> , 2012, 22, 537-539.	2.6	0
56	Photothermal Laser Material Interactions - From the Sledgehammer to Nano-GPS. <i>Advances in Intelligent and Soft Computing</i> , 2012, , 85-111.	0.2	0
57	Following Protein-Glycosaminoglycan Polysaccharide Interactions with Differential Scanning Fluorimetry. <i>Methods in Molecular Biology</i> , 2012, 836, 171-182.	0.4	4
58	Synthesis of Silver Nanoparticles with Monovalently Functionalized Self-Assembled Monolayers. <i>Australian Journal of Chemistry</i> , 2012, 65, 275.	0.5	13
59	ANG-1 TIE-2 and BMPR Signalling Defects Are Not Seen in the Nitrofen Model of Pulmonary Hypertension and Congenital Diaphragmatic Hernia. <i>PLoS ONE</i> , 2012, 7, e35364.	1.1	6
60	Array-Based Functional Screening of Heparin Glycans. <i>Chemistry and Biology</i> , 2012, 19, 553-558.	6.2	22
61	Gold nanoparticles as advanced building blocks for nanoscale self-assembled systems. <i>Journal of Materials Chemistry</i> , 2011, 21, 12181.	6.7	44
62	Large Conductance Changes in Peptide Single Molecule Junctions Controlled by pH. <i>Journal of Physical Chemistry C</i> , 2011, 115, 8361-8368.	1.5	60
63	Structure and epitope distribution of heparan sulfate is disrupted in experimental lung hypoplasia: a glycobiological epigenetic cause for malformation?. <i>BMC Developmental Biology</i> , 2011, 11, 38.	2.1	11
64	Exogenous Recombinant Dimeric Neuropilin-1 Is Sufficient to Drive Angiogenesis. <i>Journal of Biological Chemistry</i> , 2011, 286, 12-23.	1.6	19
65	A Systems Biology Approach for the Investigation of the Heparin/Heparan Sulfate Interactome. <i>Journal of Biological Chemistry</i> , 2011, 286, 19892-19904.	1.6	203
66	The Cooperation of FGF Receptor and Klotho Is Involved in Excretory Canal Development and Regulation of Metabolic Homeostasis in <i>Caenorhabditis elegans</i> *. <i>Journal of Biological Chemistry</i> , 2011, 286, 5657-5666.	1.6	23
67	Heparan sulfate in lung morphogenesis: The elephant in the room. <i>Birth Defects Research Part C: Embryo Today Reviews</i> , 2010, 90, 32-44.	3.6	18
68	The heparan sulfate co-receptor and the concentration of fibroblast growth factor-2 independently elicit different signalling patterns from the fibroblast growth factor receptor. <i>Cell Communication and Signaling</i> , 2010, 8, 14.	2.7	33
69	Self-association of Calcium-binding Protein S100A4 and Metastasis. <i>Journal of Biological Chemistry</i> , 2010, 285, 914-922.	1.6	37
70	Prevention of surface reconstruction at the Au(110)/electrolyte interface by the adsorption of cytosine. <i>Journal of Chemical Physics</i> , 2010, 132, 214708.	1.2	13
71	Intracellular Delivery and Fate of Peptide-Capped Gold Nanoparticles. <i>Biophysical Journal</i> , 2010, 98, 203a.	0.2	1
72	Bipartite Design of a Self-Fibrillating Protein Copolymer with Nanopatterned Peptide Display Capabilities. <i>Nano Letters</i> , 2010, 10, 4533-4537.	4.5	14

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73	Comparable stabilisation, structural changes and activities can be induced in FGF by a variety of HS and non-GAG analogues: implications for sequence-activity relationships. <i>Organic and Biomolecular Chemistry</i> , 2010, 8, 5390.	1.5	29
74	Differential Scanning Fluorimetry Measurement of Protein Stability Changes upon Binding to Glycosaminoglycans: A Screening Test for Binding Specificity. <i>Analytical Chemistry</i> , 2010, 82, 3796-3802.	3.2	53
75	N-Glycosylation Regulates Fibroblast Growth Factor Receptor/EGL-15 Activity in <i>Caenorhabditis elegans</i> in Vivo. <i>Journal of Biological Chemistry</i> , 2009, 284, 33030-33039.	1.6	21
76	Determination of the structure of adenine monolayers adsorbed at Au(110)/electrolyte interfaces using reflection anisotropy spectroscopy. <i>Journal of Chemical Physics</i> , 2009, 130, 044702.	1.2	31
77	Detection of DNA hybridisation on a functionalised diamond surface using reflection anisotropy spectroscopy. <i>Europhysics Letters</i> , 2009, 85, 18006.	0.7	9
78	Glycosaminoglycan origin and structure revealed by multivariate analysis of NMR and CD spectra. <i>Glycobiology</i> , 2009, 19, 52-67.	1.3	50
79	Detection of Antimycotic Acid Antibodies by Liposomal Biosensors. <i>Methods in Enzymology</i> , 2009, 464, 79-104.	0.4	17
80	Heparan Sulfate Phage Display Antibodies Identify Distinct Epitopes with Complex Binding Characteristics. <i>Journal of Biological Chemistry</i> , 2009, 284, 35621-35631.	1.6	38
81	Fabrication of Carbohydrate Surfaces by Using Nonderivatised Oligosaccharides, and their Application to Measuring the Assembly of Sugar-Protein Complexes. <i>ChemBioChem</i> , 2009, 10, 1218-1226.	1.3	22
82	Extracellular interactome of the FGF receptor-ligand system: Complexities and the relative simplicity of the worm. <i>Developmental Dynamics</i> , 2009, 238, 277-293.	0.8	42
83	Fabrication of water-soluble magnetic nanoparticles by ligand-exchange with thermo-responsive polymers. <i>Journal of Magnetism and Magnetic Materials</i> , 2009, 321, 1421-1423.	1.0	25
84	Evaluation of biosensor surfaces for the detection of microtubule perturbation. <i>Biosensors and Bioelectronics</i> , 2009, 25, 136-141.	5.3	5
85	Photothermal Absorption Correlation Spectroscopy. <i>ACS Nano</i> , 2009, 3, 345-350.	7.3	55
86	Molecular Dynamics and Electrochemical Investigations of a pH-Responsive Peptide Monolayer. <i>Journal of Physical Chemistry C</i> , 2009, 113, 6792-6799.	1.5	13
87	Cations Modulate Polysaccharide Structure To Determine FGF-FGFR Signaling: A Comparison of Signaling and Inhibitory Polysaccharide Interactions with FGF-1 in Solution. <i>Biochemistry</i> , 2009, 48, 4772-4779.	1.2	16
88	Cathepsin L Digestion of Nanobioconjugates upon Endocytosis. <i>ACS Nano</i> , 2009, 3, 2461-2468.	7.3	110
89	Facile synthesis of stable, water-soluble magnetic CoPt hollow nanostructures assisted by multi-thiol ligands. <i>Journal of Materials Chemistry</i> , 2009, 19, 6023.	6.7	37
90	Identification of Heparin-binding Sites in Proteins by Selective Labeling. <i>Molecular and Cellular Proteomics</i> , 2009, 8, 2256-2265.	2.5	65

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91	The potential for circular dichroism as an additional facile and sensitive method of monitoring low-molecular-weight heparins and heparinoids. <i>Thrombosis and Haemostasis</i> , 2009, 102, 874-878.	1.8	25
92	Site-specific interactions of copper(II) ions with heparin revealed with complementary (SRCD, NMR,) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5	1.1	32
93	Ordered structures of DNA on Au(110). <i>Physica Status Solidi C: Current Topics in Solid State Physics</i> , 2008, 5, 2582-2586.	0.8	8
94	Reflection anisotropy spectroscopy of decanethiol adsorbed at Au(110)/liquid interfaces. <i>Physica Status Solidi C: Current Topics in Solid State Physics</i> , 2008, 5, 2600-2603.	0.8	4
95	Supramolecular Domains in Mixed Peptide Self-Assembled Monolayers on Gold Nanoparticles. <i>ChemBioChem</i> , 2008, 9, 2127-2134.	1.3	42
96	Cobalt nanoparticles as a novel magnetic resonance contrast agent—relaxivities at 1.5 and 3 Tesla. <i>Contrast Media and Molecular Imaging</i> , 2008, 3, 150-156.	0.4	92
97	Inhibition of the mitogenic, angiogenic and tumorigenic activities of pleiotrophin by a synthetic peptide corresponding to its C-terminal thrombospondin repeat domain. <i>Journal of Cellular Physiology</i> , 2008, 214, 250-259.	2.0	28
98	RAN GTPase is an effector of the invasive/metastatic phenotype induced by osteopontin. <i>Oncogene</i> , 2008, 27, 7139-7149.	2.6	75
99	Robust Ligand Shells for Biological Applications of Gold Nanoparticles. <i>Langmuir</i> , 2008, 24, 13572-13580.	1.6	108
100	Size and shape control for water-soluble magnetic cobalt nanoparticles using polymer ligands. <i>Journal of Materials Chemistry</i> , 2008, 18, 2453.	6.7	63
101	The Activities of Heparan Sulfate and its Analogue Heparin are Dictated by Biosynthesis, Sequence, and Conformation. <i>Connective Tissue Research</i> , 2008, 49, 140-144.	1.1	38
102	The basic C-terminal amino acids of calcium-binding protein S100A4 promote metastasis. <i>Carcinogenesis</i> , 2008, 29, 2259-2266.	1.3	43
103	Interactions of Hepatocyte Growth Factor/Scatter Factor with Various Glycosaminoglycans Reveal an Important Interplay between the Presence of Iduronate and Sulfate Density. <i>Journal of Biological Chemistry</i> , 2008, 283, 5235-5248.	1.6	80
104	Neuropilins: a versatile partner of extracellular molecules that regulate development and disease. <i>Frontiers in Bioscience - Landmark</i> , 2008, Volume, 4339.	3.0	50
105	In Situ Stm Studies Of Immobilized Biomolecules At The Electrode/electrolyte Interface. , 2008, , 207-247.		5
106	The heparanome and regulation of cell function: structures, functions and challenges. <i>Frontiers in Bioscience - Landmark</i> , 2008, Volume, 4309.	3.0	143
107	The Heparin/Heparan Sulfate Sequence That Interacts with Cyclophilin B Contains a 3-O-Sulfated N-Unsubstituted Glucosamine Residue. <i>Journal of Biological Chemistry</i> , 2007, 282, 24416-24429.	1.6	52
108	Influence of substitution pattern and cation binding on conformation and activity in heparin derivatives. <i>Glycobiology</i> , 2007, 17, 983-993.	1.3	66

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109	Adsorption of Calf Thymus DNA on Au(110) Studied by Reflection Anisotropy Spectroscopy. <i>Langmuir</i> , 2007, 23, 2078-2082.	1.6	20
110	One-step synthesis of monodisperse water-soluble α -dual-responsive TM magnetic nanoparticles. <i>Chemical Communications</i> , 2007, , 4602-4.	2.2	4
111	Silver and gold nanoparticle-coated membranes for femtomole detection of small proteins and peptides by Dot and Western blot. <i>Analytical Biochemistry</i> , 2007, 362, 287-289.	1.1	23
112	A basic peptide derived from the HARP C-terminus inhibits anchorage-independent growth of DU145 prostate cancer cells. <i>Experimental Cell Research</i> , 2007, 313, 4041-4050.	1.2	17
113	Determination of Size and Concentration of Gold Nanoparticles from UV-Vis Spectra. <i>Analytical Chemistry</i> , 2007, 79, 4215-4221.	3.2	3,008
114	Novel α -phage display antibodies identify distinct heparan sulfate domains in developing mammalian lung. <i>Pediatric Surgery International</i> , 2007, 23, 411-417.	0.6	18
115	Real-time monitoring of the development and stability of biofilms of <i>Streptococcus mutans</i> using the quartz crystal microbalance with dissipation monitoring. <i>Biosensors and Bioelectronics</i> , 2007, 23, 407-413.	5.3	66
116	Kinase-Catalyzed Modification of Gold Nanoparticles: A New Approach to Colorimetric Kinase Activity Screening. <i>Journal of the American Chemical Society</i> , 2006, 128, 2214-2215.	6.6	269
117	Reflection Anisotropy Spectroscopy Study of the Adsorption of Sulfur-Containing Amino Acids at the Au(110)/Electrolyte Interface. <i>Langmuir</i> , 2006, 22, 3413-3420.	1.6	43
118	Protein-GAG interactions: new surface-based techniques, spectroscopies and nanotechnology probes. <i>Biochemical Society Transactions</i> , 2006, 34, 427-430.	1.6	38
119	Characterisation of membrane mimetics on a dual polarisation interferometer. <i>Biosensors and Bioelectronics</i> , 2006, 22, 627-632.	5.3	32
120	A Generic Approach to Monofunctionalized Protein-Like Gold Nanoparticles Based on Immobilized Metal Ion Affinity Chromatography. <i>ChemBioChem</i> , 2006, 7, 592-594.	1.3	64
121	Airway Smooth Muscle Dysfunction Precedes Teratogenic Congenital Diaphragmatic Hernia and May Contribute to Hypoplastic Lung Morphogenesis. <i>American Journal of Respiratory Cell and Molecular Biology</i> , 2006, 35, 571-578.	1.4	21
122	Peristalsis of airway smooth muscle is developmentally regulated and uncoupled from hypoplastic lung growth. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , 2006, 291, L559-L565.	1.3	49
123	N-Glycosylation of Fibroblast Growth Factor Receptor 1 Regulates Ligand and Heparan Sulfate Co-receptor Binding. <i>Journal of Biological Chemistry</i> , 2006, 281, 27178-27189.	1.6	101
124	Orientation of Ordered Structures of Cytosine and Cytidine ⁵ -Monophosphate Adsorbed at Au(110)/Liquid Interfaces. <i>Physical Review Letters</i> , 2006, 96, 086102.	2.9	49
125	Mutually antagonistic actions of S100A4 and S100A1 on normal and metastatic phenotypes. <i>Oncogene</i> , 2005, 24, 1445-1454.	2.6	48
126	The C-terminal region of S100A4 is important for its metastasis-inducing properties. <i>Oncogene</i> , 2005, 24, 4401-4411.	2.6	41

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127	Interaction of metastasis-inducing S100A4 protein in vivo by fluorescence lifetime imaging microscopy. <i>European Biophysics Journal</i> , 2005, 34, 19-27.	1.2	25
128	Spontaneous Propagating Calcium Waves Underpin Airway Peristalsis in Embryonic Rat Lung. <i>American Journal of Respiratory Cell and Molecular Biology</i> , 2005, 33, 153-160.	1.4	38
129	Developing Rat Lung Has a Sided Pacemaker Region for Morphogenesis-Related Airway Peristalsis. <i>American Journal of Respiratory Cell and Molecular Biology</i> , 2005, 32, 118-127.	1.4	68
130	Interactions of Multiple Heparin Binding Growth Factors with Neuropilin-1 and Potentiation of the Activity of Fibroblast Growth Factor-2. <i>Journal of Biological Chemistry</i> , 2005, 280, 13457-13464.	1.6	141
131	Peptides as capping ligands for in situ synthesis of water soluble Co nanoparticles for bioapplications. <i>Journal of Physics: Conference Series</i> , 2005, 17, 70-76.	0.3	18
132	Extremely Stable Water-Soluble Ag Nanoparticles. <i>Chemistry of Materials</i> , 2005, 17, 4630-4635.	3.2	245
133	The Peptide Route to Multifunctional Gold Nanoparticles. <i>Bioconjugate Chemistry</i> , 2005, 16, 497-500.	1.8	102
134	Interactions of heparin/heparan sulfate with proteins: Appraisal of structural factors and experimental approaches. <i>Glycobiology</i> , 2004, 14, 17R-30R.	1.3	231
135	Molecular recognition and modulation of hepatocyte growth factor activity by heparan and dermatan sulfates. <i>International Journal of Experimental Pathology</i> , 2004, 85, A58-A58.	0.6	0
136	Nanoscale science: a big step towards the Holy Grail of single molecule biochemistry and molecular biology. <i>Cellular and Molecular Life Sciences</i> , 2004, 61, 1843-1849.	2.4	15
137	Attachment of glycosaminoglycan oligosaccharides to thiol-derivatised gold surfaces. <i>Chemical Communications</i> , 2004, , 2700.	2.2	18
138	Rational and Combinatorial Design of Peptide Capping Ligands for Gold Nanoparticles. <i>Journal of the American Chemical Society</i> , 2004, 126, 10076-10084.	6.6	670
139	The adsorption of bipyridine molecules on Au(110) as measured by reflection anisotropy spectroscopy. <i>Journal of Physics Condensed Matter</i> , 2004, 16, S4385-S4392.	0.7	13
140	Heterodimeric interaction and interfaces of S100A1 and S100P. <i>Biochemical Journal</i> , 2004, 382, 375-383.	1.7	31
141	The Crystal Structure at 2Å... Resolution of the Ca ²⁺ -binding Protein S100P. <i>Journal of Molecular Biology</i> , 2003, 325, 785-794.	2.0	58
142	A gravimetric analysis of protein-oligosaccharide interactions. <i>Biochemical Society Transactions</i> , 2003, 31, 349-351.	1.6	5
143	Hepatocyte growth factor/scatter factor and its interaction with heparan sulphate and dermatan sulphate. <i>Biochemical Society Transactions</i> , 2003, 31, 352-353.	1.6	33
144	Hepatocyte Growth Factor/Scatter Factor Binds to Small Heparin-derived Oligosaccharides and Stimulates the Proliferation of Human HaCaT Keratinocytes. <i>Journal of Biological Chemistry</i> , 2002, 277, 12456-12462.	1.6	46

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145	Differential Effects of Heparin Saccharides on the Formation of Specific Fibroblast Growth Factor (FGF) and FGF Receptor Complexes. <i>Journal of Biological Chemistry</i> , 2002, 277, 2444-2453.	1.6	130
146	Fibroblast Growth Factor Receptors 1 and 2 Interact Differently with Heparin/Heparan Sulfate. <i>Journal of Biological Chemistry</i> , 2002, 277, 28554-28563.	1.6	89
147	Fibroblast growth factor-2 binds to small heparin-derived oligosaccharides and stimulates a sustained phosphorylation of p42/44 mitogen-activated protein kinase and proliferation of rat mammary fibroblasts. <i>Biochemical Journal</i> , 2002, 366, 235-244.	1.7	110
148	Proteoglycans in Inflammation. <i>Current Medicinal Chemistry Anti-inflammatory & Anti-allergy Agents</i> , 2002, 1, 89-102.	0.4	3
149	Binding to Intracellular Targets of the Metastasis-Inducing Protein, S100A4 (p9Ka). <i>Biochemical and Biophysical Research Communications</i> , 2001, 286, 1212-1217.	1.0	77
150	Optical Biosensor Techniques to Analyze Protein-Polysaccharide Interactions. , 2001, 171, 505-518.		14
151	Endocan Is a Novel Chondroitin Sulfate/Dermatan Sulfate Proteoglycan That Promotes Hepatocyte Growth Factor/Scatter Factor Mitogenic Activity. <i>Journal of Biological Chemistry</i> , 2001, 276, 48341-48349.	1.6	195
152	Does the developing liver inhibit early lung growth in congenital diaphragmatic hernia?. <i>Pediatric Surgery International</i> , 2001, 17, 288-293.	0.6	2
153	Hepatocyte growth factor/scatter factor stimulates migration of rat mammary fibroblasts through both mitogen-activated protein kinase and phosphatidylinositol 3-kinase/Akt pathways. <i>FEBS Journal</i> , 2001, 268, 4423-4429.	0.2	42
154	Opposite effects on human colon cancer cell proliferation of two dietary Thomsen-Friedenreich antigen-binding lectins. <i>Journal of Cellular Physiology</i> , 2001, 186, 282-287.	2.0	67
155	Use of a biosensor to determine the binding kinetics of five lectins for Galactosyl-N-acetylgalactosamine. <i>Glycoconjugate Journal</i> , 2001, 18, 565-569.	1.4	8
156	Proteoglycans: pericellular and cell surface multireceptors that integrate external stimuli in the mammary gland. <i>Journal of Mammary Gland Biology and Neoplasia</i> , 2001, 6, 253-273.	1.0	67
157	Differential Modulation of Transcriptional Activity of Estrogen Receptors by Direct Protein-Protein Interactions with the T Cell Factor Family of Transcription Factors. <i>Journal of Biological Chemistry</i> , 2001, 276, 41675-41682.	1.6	59
158	Cell surface-expressed Thomsen-Friedenreich antigen in colon cancer is predominantly carried on high molecular weight splice variants of CD44. <i>Glycobiology</i> , 2001, 11, 587-592.	1.3	68
159	Intracellular trafficking and release of intact edible mushroom lectin from HT29 human colon cancer cells. <i>FEBS Journal</i> , 2000, 267, 2122-2126.	0.2	13
160	Heparin and in-vitro experimental lung hypoplasia. <i>Pediatric Surgery International</i> , 2000, 16, 247-251.	0.6	13
161	Stimulation of DNA Synthesis and Cell Proliferation of Human Mammary Myoepithelial-like Cells by Hepatocyte Growth Factor/Scatter Factor Depends on Heparan Sulfate Proteoglycans and Sustained Phosphorylation of Mitogen-activated Protein Kinases p42/44. <i>Journal of Biological Chemistry</i> , 2000, 275, 17094-17099.	1.6	36
162	Fibroblast Growth Factor-2 Stimulation of p42/44MAPK Phosphorylation and I κ B Degradation Is Regulated by Heparan Sulfate/Heparin in Rat Mammary Fibroblasts. <i>Journal of Biological Chemistry</i> , 2000, 275, 33905-33910.	1.6	65

#	ARTICLE	IF	CITATIONS
163	Presentation of IFN- γ to Nitric Oxide-Producing Cells: A Novel Function for Mast Cells. <i>Journal of Immunology</i> , 2000, 164, 573-579.	0.4	30
164	Human Lactoferrin Interacts with Soluble CD14 and Inhibits Expression of Endothelial Adhesion Molecules, E-Selectin and ICAM-1, Induced by the CD14-Lipopolysaccharide Complex. <i>Infection and Immunity</i> , 2000, 68, 6519-6525.	1.0	136
165	Differential Regulation of FGF-1 and -2 Mitogenic Activity Is Related to Their Kinetics of Binding to Heparan Sulfate in MDA-MB-231 Human Breast Cancer Cells. <i>Biochemical and Biophysical Research Communications</i> , 2000, 267, 770-776.	1.0	29
166	In vitro effects of growth factors on lung hypoplasia in a model of congenital diaphragmatic hernia. <i>Journal of Pediatric Surgery</i> , 2000, 35, 914-922.	0.8	56
167	Early lung malformations in congenital diaphragmatic hernia. <i>Journal of Pediatric Surgery</i> , 2000, 35, 124-128.	0.8	102
168	Cell proliferation and apoptosis in experimental lung hypoplasia. <i>Journal of Pediatric Surgery</i> , 2000, 35, 129-133.	0.8	48
169	Peanut lectin-induced proliferation of HT29 human colon cancer cells is mediated by activation of mitogen-activated protein kinase (MAPK). <i>Gastroenterology</i> , 2000, 118, A614.	0.6	0
170	Heparan Sulphate. , 2000, 480, 65-69.		2
171	Glycosaminoglycans Differentially Bind HARP and Modulate Its Biological Activity. <i>Journal of Biological Chemistry</i> , 1999, 274, 7741-7747.	1.6	48
172	Edible Mushroom (<i>Agaricus bisporus</i>) Lectin, Which Reversibly Inhibits Epithelial Cell Proliferation, Blocks Nuclear Localization Sequence-dependent Nuclear Protein Import. <i>Journal of Biological Chemistry</i> , 1999, 274, 4890-4899.	1.6	97
173	Modulation of mammary development and programmed cell death by the frequency of milk removal in lactating goats. <i>Journal of Physiology</i> , 1999, 519, 885-900.	1.3	50
174	Identification of cell types in the developing goat mammary gland. <i>The Histochemical Journal</i> , 1999, 31, 379-393.	0.6	44
175	Interactions of putative heparin-binding domains of basic fibroblast growth factor and its receptor, FGFR-1, with heparin using synthetic peptides. <i>Glycoconjugate Journal</i> , 1998, 15, 419-422.	1.4	29
176	Ferritin and hemoglobin in pituitary gland extracts are mitogenic for rat mammary epithelial cells in culture. <i>In Vitro Cellular and Developmental Biology - Animal</i> , 1998, 34, 518-519.	0.7	1
177	Hepatocyte Growth Factor/Scatter Factor Has Distinct Classes of Binding Site in Heparan Sulfate from Mammary Cells. <i>Biochemistry</i> , 1998, 37, 6003-6008.	1.2	56
178	Interaction of Heparan Sulfate from Mammary Cells with Acidic Fibroblast Growth Factor (FGF) and Basic FGF. <i>Journal of Biological Chemistry</i> , 1998, 273, 7303-7310.	1.6	113
179	Hepatocyte Growth Factor/Scatter Factor Binds with High Affinity to Dermatan Sulfate. <i>Journal of Biological Chemistry</i> , 1998, 273, 271-278.	1.6	142
180	Stem cells in breast epithelia. <i>International Journal of Experimental Pathology</i> , 1998, 79, 193-206.	0.6	25

#	ARTICLE	IF	CITATIONS
181	Programmed cell death in bovine mammary tissue during lactation and involution. <i>Experimental Physiology</i> , 1997, 82, 943-953.	0.9	112
182	Invasion of human colorectal carcinoma cells is promoted by endogenous basic fibroblast growth factor. , 1997, 71, 390-395.		30
183	Stimulation of proliferation in human colon cancer cells by human monoclonal antibodies against the TF antigen (galactose β 1-3 N-acetyl-galactosamine). , 1997, 73, 424-431.		30
184	Mammary stem cells in normal development and cancer. , 1997, , 147-232.		22
185	Identification of cell types in the developing goat mammary gland. <i>Biochemical Society Transactions</i> , 1996, 24, 357S-357S.	1.6	1
186	Potential of the growth-stimulatory effects of aFGF by heparin in Rama 27 fibroblasts. <i>Biochemical Society Transactions</i> , 1996, 24, 358S-358S.	1.6	2
187	Basic fibroblast growth factor and colorectal carcinoma invasion. <i>Biochemical Society Transactions</i> , 1996, 24, 501S-501S.	1.6	2
188	HEPARAN SULPHATE IN BREAST CANCER CELLS. <i>Biochemical Society Transactions</i> , 1996, 24, 355S-355S.	1.6	6
189	Late signals are required for the stimulation of DNA synthesis in rat mammary fibroblasts by growth factors. <i>Bioscience Reports</i> , 1996, 16, 249-263.	1.1	4
190	Effect on tumorigenicity and metastasis of transfection of a diploid benign rat mammary epithelial cell line with DNA corresponding to the mRNA for basic fibroblast growth factor. , 1996, 65, 104-111.		6
191	Growth factors and their receptors in neoplastic mammary glands. <i>Biomedicine and Pharmacotherapy</i> , 1995, 49, 389-399.	2.5	30
192	Activation of Basic Fibroblast Growth Factor (bFGF) by Heparan Sulphate (HS). , 1995, , 73-74.		1
193	Secretion of Transforming Growth Factor Alpha and Expression of its Receptor in Human Mammary Cell Lines. <i>Growth Factors</i> , 1994, 10, 281-287.	0.5	6
194	A novel tyrosine kinase activity in the cotton leafworm, <i>Spodoptera littoralis</i> . <i>Comparative Biochemistry and Physiology Part B: Comparative Biochemistry</i> , 1994, 109, 253-259.	0.2	0
195	Fibroblast growth factors and their receptors: An information network controlling tissue growth, morphogenesis and repair. <i>Progress in Growth Factor Research</i> , 1994, 5, 353-377.	1.7	173
196	Ectopic production of heparin-binding growth factors and receptors for basic fibroblast growth factor by rat mammary epithelial cell lines derived from malignant metastatic tumours. <i>International Journal of Cancer</i> , 1993, 54, 629-635.	2.3	20
197	NORMAL AND MALIGNANT HUMAN COLONIC MUCOSA CONTAIN ACIDIC AND BASIC FIBROBLAST GROWTH-FACTORS. <i>International Journal of Oncology</i> , 1993, 3, 933-6.	1.4	1
198	Immunocytochemical identification of basic fibroblast growth factor in the developing rat mammary gland: variations in location are dependent on glandular structure and differentiation.. <i>Journal of Histochemistry and Cytochemistry</i> , 1993, 41, 887-898.	1.3	38

#	ARTICLE	IF	CITATIONS
199	Rat Mammary Myoepithelial-Like Cells in Culture Possess Kinetically Distinct Low-Affinity Receptors for Fibroblast Growth Factor That Modulate Growth Stimulatory Responses. <i>Growth Factors</i> , 1992, 7, 27-39.	0.5	15
200	A rapid procedure for production of human basic fibroblast growth factor in <i>Escherichia coli</i> cells. <i>Biochimica Et Biophysica Acta Gene Regulatory Mechanisms</i> , 1992, 1131, 307-310.	2.4	34
201	Relationship of growth factors and differentiation in normal and neoplastic development of the mammary gland. <i>Cancer Treatment and Research</i> , 1991, 53, 47-78.	0.2	11
202	Appearance of basic fibroblast growth factor receptors upon differentiation of rat mammary epithelial to myoepithelial-like cells in culture. <i>Journal of Cellular Physiology</i> , 1990, 142, 108-116.	2.0	39
203	Synthesis of basic fibroblast growth factor upon differentiation of rat mammary epithelial to myoepithelial-like cells in culture. <i>Journal of Cellular Physiology</i> , 1990, 144, 333-344.	2.0	42
204	High-level production of human acidic fibroblast growth factor in <i>E. coli</i> cells: Inhibition of DNA synthesis in rat mammary fibroblasts at high concentrations of growth factor. <i>Biochemical and Biophysical Research Communications</i> , 1990, 171, 963-971.	1.0	18
205	Identification of alpha transforming growth factor as a possible local trophic agent for the mammary gland. <i>Journal of Cellular Physiology</i> , 1989, 141, 362-370.	2.0	35
206	Insulin processing in primary endosomes is not responsible for insulin resistance observed in parametrial adipocytes from lactating rats. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 1989, 1010, 237-245.	1.9	5
207	Degradation of nuclear proteins: studies on transplanted B82 cell karyoplast proteins. <i>FEBS Letters</i> , 1987, 210, 165-168.	1.3	2
208	Analysis of protein-heparin interactions using a portable SPR instrument. , 0, 4, e15.		1