

# David G Fernig

## List of Publications by Year in descending order

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210  
papers

12,774  
citations

36303

51  
h-index

27406

106  
g-index

234  
all docs

234  
docs citations

234  
times ranked

17007  
citing authors

#	ARTICLE	IF	CITATIONS
1	Anion binding to a cationic europium( <sup>iii</sup> ) probe enables the first real-time assay of heparan sulfotransferase activity. <i>Organic and Biomolecular Chemistry</i> , 2022, 20, 596-605.	2.8	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.	3.7	17
3	A pipeline to evaluate inhibitors of the <i>Pseudomonas aeruginosa</i> exotoxin U. <i>Biochemical Journal</i> , 2021, 478, 647-668.	3.7	13
4	Glycosaminoglycans from <i>Litopenaeus vannamei</i> Inhibit the Alzheimer's Disease $\beta$ Secretase, BACE1. <i>Marine Drugs</i> , 2021, 19, 203.	4.6	8
5	Endocytosis and the Participation of Glycosaminoglycans Are Important to the Mechanism of Cell Death Induced by $\beta$ -Hairpin Antimicrobial Peptides. <i>ACS Applied Bio Materials</i> , 2021, 4, 6488-6501.	4.6	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.	4.8	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, .	0.8	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.	7.6	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.	3.4	228
10	Inhibition of BACE1, the $\beta$ -secretase implicated in Alzheimer's disease, by a chondroitin sulfate extract from <i>Sardina pilchardus</i> . <i>Neural Regeneration Research</i> , 2020, 15, 1546.	3.0	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.	5.9	19
12	Sulfated polysaccharides interact with fibroblast growth factors and protect from denaturation. <i>FEBS Open Bio</i> , 2019, 9, 1477-1487.	2.3	25
13	The heparin-binding proteome in normal pancreas and murine experimental acute pancreatitis. <i>PLoS ONE</i> , 2019, 14, e0217633.	2.5	27
14	Enhanced inhibition of influenza virus infection by peptide-noble-metal nanoparticle conjugates. <i>Beilstein Journal of Nanotechnology</i> , 2019, 10, 1038-1047.	2.8	47
15	A Glycosaminoglycan Extract from <i>Portunus pelagicus</i> Inhibits BACE1, the $\beta$ Secretase Implicated in Alzheimer's Disease. <i>Marine Drugs</i> , 2019, 17, 293.	4.6	6
16	<i>Pseudomonas aeruginosa</i> Toxin ExoU as a Therapeutic Target in the Treatment of Bacterial Infections. <i>Microorganisms</i> , 2019, 7, 707.	3.6	39
17	Structure-based design of nucleoside-derived analogues as sulfotransferase inhibitors. <i>RSC Advances</i> , 2019, 9, 32165-32173.	3.6	5
18	Highly efficient production of functional recombinant human fibroblast growth factor 22 in <i>E. coli</i> and its protective effects on H <sub>2</sub> O <sub>2</sub> -lesioned L02 cells. <i>Protein Expression and Purification</i> , 2018, 152, 114-121.	1.3	2

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19	Large-Scale Expression, Purification of Bioactive Recombinant Human FGF6 in <i>E. coli</i> and the Mechanisms of Its Myocardial Protection. <i>International Journal of Peptide Research and Therapeutics</i> , 2018, 24, 105-115.	1.9	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.	3.7	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.	14.6	76
22	Functional examination of novel kisspeptin phosphinic peptides. <i>PLoS ONE</i> , 2018, 13, e0195089.	2.5	3
23	Expression and purification of an FGF9 fusion protein in <i>E. coli</i> , 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.	3.6	21
24	Specific Internalisation of Gold Nanoparticles into Engineered Porous Protein Cages via Affinity Binding. <i>PLoS ONE</i> , 2016, 11, e0162848.	2.5	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.	3.6	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.	5.0	2
27	Heparin binding preference and structures in the fibroblast growth factor family parallel their evolutionary diversification. <i>Open Biology</i> , 2016, 6, 150275.	3.6	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.	3.6	22
29	In silico analyses of heparin binding proteins expression in human periodontal tissues. <i>BMC Research Notes</i> , 2016, 9, 53.	1.4	4
30	High production in <i>E. coli</i> of biologically active recombinant human fibroblast growth factor 20 and its neuroprotective effects. <i>Applied Microbiology and Biotechnology</i> , 2016, 100, 3023-3034.	3.6	12
31	Fibroblast growth factors as tissue repair and regeneration therapeutics. <i>PeerJ</i> , 2016, 4, e1535.	2.0	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.	0.6	1
33	Cytokines and growth factors cross-link heparan sulfate. <i>Open Biology</i> , 2015, 5, 150046.	3.6	55
34	Structural determinants of heparin-transforming growth factor- $\beta$ 1 interactions and their effects on signaling. <i>Glycobiology</i> , 2015, 25, 1491-1504.	2.5	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.	2.7	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.	7.6	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.	2.4	21
38	HaloTag is an effective expression and solubilisation fusion partner for a range of fibroblast growth factors. <i>PeerJ</i> , 2015, 3, e1060.	2.0	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.	2.6	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.	3.5	548
41	Monovalent maleimide functionalization of gold nanoparticles via copper-free click chemistry. <i>Chemical Communications</i> , 2014, 50, 13157-13160.	4.1	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.	3.3	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.	2.0	14
44	Network based meta-analysis prediction of microenvironmental relays involved in stemness of human embryonic stem cells. <i>PeerJ</i> , 2014, 2, e618.	2.0	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.	4.7	24
46	The heparin-binding protein interactome in pancreatic diseases. <i>Pancreatology</i> , 2013, 13, 598-604.	1.1	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.	5.6	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.	0.9	16
50	Diversification of the Structural Determinants of Fibroblast Growth Factor-Heparin Interactions. <i>Journal of Biological Chemistry</i> , 2012, 287, 40061-40073.	3.4	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.	3.4	64
52	Fundamental differences in model cell-surface polysaccharides revealed by complementary optical and spectroscopic techniques. <i>Soft Matter</i> , 2012, 8, 6521.	2.7	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.	38.1	157
54	Single Molecule Imaging with Stable 6 NM Quantum Dots. <i>Biophysical Journal</i> , 2012, 102, 182a.	0.5	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.	5.7	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.	0.9	4
58	Synthesis of Silver Nanoparticles with Monovalently Functionalized Self-Assembled Monolayers. <i>Australian Journal of Chemistry</i> , 2012, 65, 275.	0.9	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.	2.5	6
60	Array-Based Functional Screening of Heparin Glycans. <i>Chemistry and Biology</i> , 2012, 19, 553-558.	6.0	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.	3.1	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.	3.4	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.	3.4	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.	3.4	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.	6.5	33
69	Self-association of Calcium-binding Protein S100A4 and Metastasis. <i>Journal of Biological Chemistry</i> , 2010, 285, 914-922.	3.4	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.	3.0	13
71	Intracellular Delivery and Fate of Peptide-Capped Gold Nanoparticles. <i>Biophysical Journal</i> , 2010, 98, 203a.	0.5	1
72	Bipartite Design of a Self-Fibrillating Protein Copolymer with Nanopatterned Peptide Display Capabilities. <i>Nano Letters</i> , 2010, 10, 4533-4537.	9.1	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.	2.8	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.	6.5	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.	3.4	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.	3.0	31
77	Detection of DNA hybridisation on a functionalised diamond surface using reflection anisotropy spectroscopy. <i>Europhysics Letters</i> , 2009, 85, 18006.	2.0	9
78	Glycosaminoglycan origin and structure revealed by multivariate analysis of NMR and CD spectra. <i>Glycobiology</i> , 2009, 19, 52-67.	2.5	50
79	Detection of Antimycotic Acid Antibodies by Liposomal Biosensors. <i>Methods in Enzymology</i> , 2009, 464, 79-104.	1.0	17
80	Heparan Sulfate Phage Display Antibodies Identify Distinct Epitopes with Complex Binding Characteristics. <i>Journal of Biological Chemistry</i> , 2009, 284, 35621-35631.	3.4	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.	2.6	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.	1.8	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.	2.3	25
84	Evaluation of biosensor surfaces for the detection of microtubule perturbation. <i>Biosensors and Bioelectronics</i> , 2009, 25, 136-141.	10.1	5
85	Photothermal Absorption Correlation Spectroscopy. <i>ACS Nano</i> , 2009, 3, 345-350.	14.6	55
86	Molecular Dynamics and Electrochemical Investigations of a pH-Responsive Peptide Monolayer. <i>Journal of Physical Chemistry C</i> , 2009, 113, 6792-6799.	3.1	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.	2.5	16
88	Cathepsin L Digestion of Nanobioconjugates upon Endocytosis. <i>ACS Nano</i> , 2009, 3, 2461-2468.	14.6	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.	3.8	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.	3.4	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	2.3	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.	2.6	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.	0.8	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.	4.1	28
98	RAN GTPase is an effector of the invasive/metastatic phenotype induced by osteopontin. <i>Oncogene</i> , 2008, 27, 7139-7149.	5.9	75
99	Robust Ligand Shells for Biological Applications of Gold Nanoparticles. <i>Langmuir</i> , 2008, 24, 13572-13580.	3.5	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.	2.3	38
102	The basic C-terminal amino acids of calcium-binding protein S100A4 promote metastasis. <i>Carcinogenesis</i> , 2008, 29, 2259-2266.	2.8	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.	3.4	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.	3.4	52
108	Influence of substitution pattern and cation binding on conformation and activity in heparin derivatives. <i>Glycobiology</i> , 2007, 17, 983-993.	2.5	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.	3.5	20
110	One-step synthesis of monodisperse water-soluble "dual-responsive"™ magnetic nanoparticles. <i>Chemical Communications</i> , 2007, , 4602-4.	4.1	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.	2.4	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.	2.6	17
113	Determination of Size and Concentration of Gold Nanoparticles from UV-Vis Spectra. <i>Analytical Chemistry</i> , 2007, 79, 4215-4221.	6.5	3,008
114	Novel "phage display antibodies identify distinct heparan sulfate domains in developing mammalian lung. <i>Pediatric Surgery International</i> , 2007, 23, 411-417.	1.4	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.	10.1	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.	13.7	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.	3.5	43
118	Protein-GAG interactions: new surface-based techniques, spectroscopies and nanotechnology probes. <i>Biochemical Society Transactions</i> , 2006, 34, 427-430.	3.4	38
119	Characterisation of membrane mimetics on a dual polarisation interferometer. <i>Biosensors and Bioelectronics</i> , 2006, 22, 627-632.	10.1	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.	2.6	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.	2.9	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.	2.9	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.	3.4	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.	7.8	49
125	Mutually antagonistic actions of S100A4 and S100A1 on normal and metastatic phenotypes. <i>Oncogene</i> , 2005, 24, 1445-1454.	5.9	48
126	The C-terminal region of S100A4 is important for its metastasis-inducing properties. <i>Oncogene</i> , 2005, 24, 4401-4411.	5.9	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.	2.2	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.	2.9	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.	2.9	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.	3.4	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.	0.4	18
132	Extremely Stable Water-Soluble Ag Nanoparticles. <i>Chemistry of Materials</i> , 2005, 17, 4630-4635.	6.7	245
133	The Peptide Route to Multifunctional Gold Nanoparticles. <i>Bioconjugate Chemistry</i> , 2005, 16, 497-500.	3.6	102
134	Interactions of heparin/heparan sulfate with proteins: Appraisal of structural factors and experimental approaches. <i>Glycobiology</i> , 2004, 14, 17R-30R.	2.5	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.	1.3	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.	5.4	15
137	Attachment of glycosaminoglycan oligosaccharides to thiol-derivatised gold surfaces. <i>Chemical Communications</i> , 2004, , 2700.	4.1	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.	13.7	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.	1.8	13
140	Heterodimeric interaction and interfaces of S100A1 and S100P. <i>Biochemical Journal</i> , 2004, 382, 375-383.	3.7	31
141	The Crystal Structure at 2Å... Resolution of the Ca <sup>2+</sup> -binding Protein S100P. <i>Journal of Molecular Biology</i> , 2003, 325, 785-794.	4.2	58
142	A gravimetric analysis of protein-oligosaccharide interactions. <i>Biochemical Society Transactions</i> , 2003, 31, 349-351.	3.4	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.	3.4	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.	3.4	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.	3.4	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.	3.4	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.	3.7	110
148	Proteoglycans in Inflammation. <i>Current Medicinal Chemistry Anti-inflammatory &amp; Anti-allergy Agents</i> , 2002, 1, 89-102.	0.4	3
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