

David G Fernig

List of Publications by Year in descending order

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208
papers

12,774
citations

36203

51
h-index

27345

106
g-index

234
all docs

234
docs citations

234
times ranked

17007
citing authors

#	ARTICLE	IF	CITATIONS
1	Determination of Size and Concentration of Gold Nanoparticles from UV-Vis Spectra. <i>Analytical Chemistry</i> , 2007, 79, 4215-4221.	3.2	3,008
2	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
3	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
4	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
5	Extremely Stable Water-Soluble Ag Nanoparticles. <i>Chemistry of Materials</i> , 2005, 17, 4630-4635.	3.2	245
6	Interactions of heparin/heparan sulfate with proteins: Appraisal of structural factors and experimental approaches. <i>Glycobiology</i> , 2004, 14, 17R-30R.	1.3	231
7	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
8	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
9	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
10	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
11	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
12	The heparanome and regulation of cell function: structures, functions and challenges. <i>Frontiers in Bioscience - Landmark</i> , 2008, Volume, 4309.	3.0	143
13	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
14	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
15	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
16	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
17	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
18	Programmed cell death in bovine mammary tissue during lactation and involution. <i>Experimental Physiology</i> , 1997, 82, 943-953.	0.9	112

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19	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
20	Cathepsin L Digestion of Nanobioconjugates upon Endocytosis. <i>ACS Nano</i> , 2009, 3, 2461-2468.	7.3	110
21	Robust Ligand Shells for Biological Applications of Gold Nanoparticles. <i>Langmuir</i> , 2008, 24, 13572-13580.	1.6	108
22	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
23	Early lung malformations in congenital diaphragmatic hernia. <i>Journal of Pediatric Surgery</i> , 2000, 35, 124-128.	0.8	102
24	The Peptide Route to Multifunctional Gold Nanoparticles. <i>Bioconjugate Chemistry</i> , 2005, 16, 497-500.	1.8	102
25	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
26	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
27	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
28	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
29	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
30	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
31	Fibroblast growth factors as tissue repair and regeneration therapeutics. <i>PeerJ</i> , 2016, 4, e1535.	0.9	77
32	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
33	RAN GTPase is an effector of the invasive/metastatic phenotype induced by osteopontin. <i>Oncogene</i> , 2008, 27, 7139-7149.	2.6	75
34	Diversification of the Structural Determinants of Fibroblast Growth Factor-Heparin Interactions. <i>Journal of Biological Chemistry</i> , 2012, 287, 40061-40073.	1.6	69
35	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
36	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

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37	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
38	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
39	Influence of substitution pattern and cation binding on conformation and activity in heparin derivatives. <i>Glycobiology</i> , 2007, 17, 983-993.	1.3	66
40	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
41	Fibroblast Growth Factor-2 Stimulation of p42/44MAPK Phosphorylation and Î²B Degradation Is Regulated by Heparan Sulfate/Heparin in Rat Mammary Fibroblasts. <i>Journal of Biological Chemistry</i> , 2000, 275, 33905-33910.	1.6	65
42	Identification of Heparin-binding Sites in Proteins by Selective Labeling. <i>Molecular and Cellular Proteomics</i> , 2009, 8, 2256-2265.	2.5	65
43	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
44	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
45	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
46	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
47	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
48	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
49	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
50	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
51	Photothermal Absorption Correlation Spectroscopy. <i>ACS Nano</i> , 2009, 3, 345-350.	7.3	55
52	Cytokines and growth factors cross-link heparan sulfate. <i>Open Biology</i> , 2015, 5, 150046.	1.5	55
53	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
54	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

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55	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
56	Neuropilins: a versatile partner of extracellular molecules that regulate development and disease. <i>Frontiers in Bioscience - Landmark</i> , 2008, Volume, 4339.	3.0	50
57	Glycosaminoglycan origin and structure revealed by multivariate analysis of NMR and CD spectra. <i>Glycobiology</i> , 2009, 19, 52-67.	1.3	50
58	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
59	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
60	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
61	Glycosaminoglycans Differentially Bind HARP and Modulate Its Biological Activity. <i>Journal of Biological Chemistry</i> , 1999, 274, 7741-7747.	1.6	48
62	Cell proliferation and apoptosis in experimental lung hypoplasia. <i>Journal of Pediatric Surgery</i> , 2000, 35, 129-133.	0.8	48
63	Mutually antagonistic actions of S100A4 and S100A1 on normal and metastatic phenotypes. <i>Oncogene</i> , 2005, 24, 1445-1454.	2.6	48
64	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
65	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
66	Identification of cell types in the developing goat mammary gland. <i>The Histochemical Journal</i> , 1999, 31, 379-393.	0.6	44
67	Gold nanoparticles as advanced building blocks for nanoscale self-assembled systems. <i>Journal of Materials Chemistry</i> , 2011, 21, 12181.	6.7	44
68	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
69	The basic C-terminal amino acids of calcium-binding protein S100A4 promote metastasis. <i>Carcinogenesis</i> , 2008, 29, 2259-2266.	1.3	43
70	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
71	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
72	Supramolecular Domains in Mixed Peptide Self-Assembled Monolayers on Gold Nanoparticles. <i>ChemBioChem</i> , 2008, 9, 2127-2134.	1.3	42

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73	Extracellular interactome of the FGF receptorâ€“ligand system: Complexities and the relative simplicity of the worm. <i>Developmental Dynamics</i> , 2009, 238, 277-293.	0.8	42
74	The C-terminal region of S100A4 is important for its metastasis-inducing properties. <i>Oncogene</i> , 2005, 24, 4401-4411.	2.6	41
75	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
76	<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
77	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
78	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
79	Proteinâ€“GAG interactions: new surface-based techniques, spectroscopies and nanotechnology probes. <i>Biochemical Society Transactions</i> , 2006, 34, 427-430.	1.6	38
80	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
81	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
82	Structural determinants of heparinâ€“transforming growth factor- β 1 interactions and their effects on signaling. <i>Glycobiology</i> , 2015, 25, 1491-1504.	1.3	38
83	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
84	Self-association of Calcium-binding Protein S100A4 and Metastasis. <i>Journal of Biological Chemistry</i> , 2010, 285, 914-922.	1.6	37
85	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
86	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
87	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
88	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
89	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
90	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

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91	Characterisation of membrane mimetics on a dual polarisation interferometer. <i>Biosensors and Bioelectronics</i> , 2006, 22, 627-632.	5.3	32
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	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
94	Heterodimeric interaction and interfaces of S100A1 and S100P. <i>Biochemical Journal</i> , 2004, 382, 375-383.	1.7	31
95	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
96	Growth factors and their receptors in neoplastic mammary glands. <i>Biomedicine and Pharmacotherapy</i> , 1995, 49, 389-399.	2.5	30
97	Invasion of human colorectal carcinoma cells is promoted by endogenous basic fibroblast growth factor. , 1997, 71, 390-395.		30
98	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
99	Presentation of IFN- β to Nitric Oxide-Producing Cells: A Novel Function for Mast Cells. <i>Journal of Immunology</i> , 2000, 164, 573-579.	0.4	30
100	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
101	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
102	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
103	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
104	The heparin-binding proteome in normal pancreas and murine experimental acute pancreatitis. <i>PLoS ONE</i> , 2019, 14, e0217633.	1.1	27
105	Stem cells in breast epithelia. <i>International Journal of Experimental Pathology</i> , 1998, 79, 193-206.	0.6	25
106	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
107	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
108	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

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109	Sulfated polysaccharides interact with fibroblast growth factors and protect from denaturation. <i>FEBS Open Bio</i> , 2019, 9, 1477-1487.	1.0	25
110	Analysis of the fibroblast growth factor receptor (<sc>FGFR</sc>) signalling network with heparin as coreceptor: evidence for the expansion of the core <sc>FGFR</sc> signalling network. <i>FEBS Journal</i> , 2013, 280, 2260-2270.	2.2	24
111	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
112	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
113	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
114	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
115	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
116	Array-Based Functional Screening of Heparin Glycans. <i>Chemistry and Biology</i> , 2012, 19, 553-558.	6.2	22
117	Monovalent maleimide functionalization of gold nanoparticles via copper-free click chemistry. <i>Chemical Communications</i> , 2014, 50, 13157-13160.	2.2	22
118	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
119	Mammary stem cells in normal development and cancer. , 1997, , 147-232.		22
120	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
121	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
122	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
123	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.	1.7	21
124	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
125	Adsorption of Calf Thymus DNA on Au(110) Studied by Reflection Anisotropy Spectroscopy. <i>Langmuir</i> , 2007, 23, 2078-2082.	1.6	20
126	Exogenous Recombinant Dimeric Neuropilin-1 Is Sufficient to Drive Angiogenesis. <i>Journal of Biological Chemistry</i> , 2011, 286, 12-23.	1.6	19

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127	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
128	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
129	Attachment of glycosaminoglycan oligosaccharides to thiol-derivatised gold surfaces. <i>Chemical Communications</i> , 2004, , 2700.	2.2	18
130	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
131	Novel phage display antibodies identify distinct heparan sulfate domains in developing mammalian lung. <i>Pediatric Surgery International</i> , 2007, 23, 411-417.	0.6	18
132	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
133	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
134	Detection of Antimycolic Acid Antibodies by Liposomal Biosensors. <i>Methods in Enzymology</i> , 2009, 464, 79-104.	0.4	17
135	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
136	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
137	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
138	The heparin-binding protein interactome in pancreatic diseases. <i>Pancreatology</i> , 2013, 13, 598-604.	0.5	16
139	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
140	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
141	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
142	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
143	Optical Biosensor Techniques to Analyze Protein-Polysaccharide Interactions. , 2001, 171, 505-518.		14
144	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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145	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
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