

Graham E Jackson

List of Publications by Year in descending order

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71
papers

944
citations

516710

16
h-index

526287

27
g-index

71
all docs

71
docs citations

71
times ranked

984
citing authors

#	ARTICLE	IF	CITATIONS
1	Therapeutic action of citrate in urolithiasis explained by chemical speciation: increase in pH is the determinant factor. <i>Nephrology Dialysis Transplantation</i> , 2006, 21, 361-369.	0.7	71
2	Molecular Dynamics and NMR Study of the $\alpha(1\rightarrow4)$ and $\alpha(1\rightarrow6)$ Glycosidic Linkages: Maltose and Isomaltose. <i>Journal of Physical Chemistry B</i> , 2001, 105, 4742-4751.	2.6	61
3	Quercetin encapsulation in modified silica nanoparticles: potential use against Cu(II)-induced oxidative stress in neurodegeneration. <i>Journal of Inorganic Biochemistry</i> , 2015, 145, 51-64.	3.5	55
4	Gadolinium (III) complex equilibria: The implications for Gd(III) MRI contrast agents. <i>Magnetic Resonance in Medicine</i> , 1990, 16, 57-66.	3.0	49
5	Design of copper-based anti-inflammatory drugs. <i>Journal of Inorganic Biochemistry</i> , 2000, 79, 147-152.	3.5	44
6	The cytotoxicity of garlic-related disulphides and thiosulfonates in WHCO1 oesophageal cancer cells is dependent on S-thiolation and not production of ROS. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2016, 1860, 1439-1449.	2.4	39
7	Metal-ligand complexes involved in rheumatoid arthritis. I. <i>Journal of Inorganic and Nuclear Chemistry</i> , 1978, 40, 1189-1194.	0.5	38
8	Metal-ligand complexes involved in rheumatoid arthritis. VI. <i>Journal of Inorganic and Nuclear Chemistry</i> , 1978, 40, 1227-1234.	0.5	38
9	Metal-ion speciation in blood plasma incorporating the bisphosphonate, 1-hydroxy-4-aminopropylidenediphosphonate (APD), in therapeutic radiopharmaceuticals. <i>Journal of Inorganic Biochemistry</i> , 1999, 73, 265-272.	3.5	27
10	A potentiometric and spectroscopic study of copper(II) diaminodioxime complexes. <i>Journal of the Chemical Society Dalton Transactions</i> , 1996, , 1373.	1.1	21
11	Conformational study of insect adipokinetic hormones using NMR constrained molecular dynamics. <i>Journal of Computer-Aided Molecular Design</i> , 2001, 15, 259-270.	2.9	20
12	Capsular polysaccharide conformations in pneumococcal serotypes 19F and 19A. <i>Carbohydrate Research</i> , 2015, 406, 27-33.	2.3	20
13	Modeling the $\alpha(1\rightarrow6)$ Branch Point of Amylopectin in Solution. <i>Journal of Physical Chemistry B</i> , 2002, 106, 5091-5098.	2.6	18
14	Further evidence for a C-terminal structural motif in CCK2 receptor active peptide hormones. <i>Peptides</i> , 2007, 28, 2211-2222.	2.4	17
15	In vitro and in vivo studies of N,N'-bis[2-(2-pyridyl)-methyl]pyridine-2,6-dicarboxamide copper(II) and rheumatoid arthritis. <i>Polyhedron</i> , 2008, 27, 453-464.	2.2	17
16	In vitro and in vivo studies of the dermally absorbed Cu(II) complexes of N5O2 donor ligands. Potential anti-inflammatory drugs. <i>Inorganica Chimica Acta</i> , 2009, 362, 125-135.	2.4	17
17	Anopheles gambiae, Anoga-HrTH hormone, free and bound structure. A nuclear magnetic resonance experiment. <i>Peptides</i> , 2013, 41, 94-100.	2.4	17
18	Evidence for a C-terminal structural motif in gastrin and its bioactive fragments in membrane mimetic media. <i>Peptides</i> , 2007, 28, 1561-1571.	2.4	16

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19	Chemical speciation of copper(ii) diaminediamide derivative of pentacycloundecane—a potential anti-inflammatory agent. <i>Dalton Transactions</i> , 2007, , 1140-1149.	3.3	16
20	Copper chelating anti-inflammatory agents; N1-(2-aminoethyl)-N2-(pyridin-2-ylmethyl)-ethane-1,2-diamine and N-(2-(2-aminoethylamino)ethyl)picolinamide: An in vitro and in vivo study. <i>Journal of Inorganic Biochemistry</i> , 2007, 101, 148-158.	3.5	16
21	Solution conformations of an insect neuropeptide: Crustacean cardioactive peptide (CCAP). <i>Peptides</i> , 2009, 30, 557-564.	2.4	16
22	Interaction of the red pigment-concentrating hormone of the crustacean <i>Daphnia pulex</i> , with its cognate receptor, Dappu-RPCHR: A nuclear magnetic resonance and modeling study. <i>International Journal of Biological Macromolecules</i> , 2018, 106, 969-978.	7.5	16
23	Neurophysiological changes in simulated microgravity: An animal model. <i>Neurology India</i> , 2019, 67, 221.	0.4	16
24	Copper anti-inflammatory drugs in rheumatoid arthritis. Part 2. A potentiometric and spectroscopic study of copper(II) polyaminodicarboxylate complexes. <i>Journal of the Chemical Society Dalton Transactions</i> , 1989, , 2429.	1.1	14
25	In vitro and in vivo stability investigations of Cu(ii), Zn(ii), Ca(ii) and Gd(iii) complexes with N,N-ε-bis(2-hydroxyiminopropionyl) propane-1,3-diamine. <i>Dalton Transactions</i> , 2004, , 1432-1440.	3.3	14
26	Simulating calcium salt precipitation in the nephron using chemical speciation. <i>Urological Research</i> , 2011, 39, 245-251.	1.5	14
27	The adipokinetic hormones and their cognate receptor from the desert locust, <i>Schistocerca gregaria</i> : solution structure of endogenous peptides and models of their binding to the receptor. <i>PeerJ</i> , 2019, 7, e7514.	2.0	14
28	Chemical speciation and biodistribution studies of copper(II) complexes of poly(amine)amide ligands. <i>Inorganic Chemistry Communication</i> , 2003, 6, 335-338.	3.9	13
29	Thermodynamic and spectroscopic study of the interaction of Cu(II), Ni(II), Zn(II) and Ca(II) ions with 2-amino-N-(2-oxo-2-(2-(pyridin-2-yl)ethyl amino)ethyl)acetamide, a pseudo-mimic of human serum albumin. <i>Polyhedron</i> , 2007, 26, 2395-2404.	2.2	13
30	Sulfate but Not Thiosulfate Reduces Calculated and Measured Urinary Ionized Calcium and Supersaturation: Implications for the Treatment of Calcium Renal Stones. <i>PLoS ONE</i> , 2014, 9, e103602.	2.5	13
31	Two Dimensional NMR Study of 8-Methoxyflindersine, Skimmianine and Monocrotaline. <i>Spectroscopy Letters</i> , 1990, 23, 971-982.	1.0	12
32	Open conformation of adipokinetic hormone receptor from the malaria mosquito facilitates hormone binding. <i>Peptides</i> , 2011, 32, 553-559.	2.4	12
33	Thermodynamic and biodistribution studies of Zn(ii), Ca(ii), Gd(iii) and Cu(ii) complexes of 3,3,9,9-tetramethyl-4,8-diazaundecane-2,10-dione dioximeCopper anti-inflammatory drugs in rheumatoid arthritis. Part 6.1. <i>Dalton Transactions</i> , 2004, , 741.	3.3	11
34	Theoretical modeling of the urinary supersaturation of calcium salts in healthy individuals and kidney stone patients: Precursors, speciation and therapeutic protocols for decreasing its value. <i>Journal of Crystal Growth</i> , 2013, 382, 67-74.	1.5	10
35	Shared pathological pathways of Alzheimer's disease with specific comorbidities: current perspectives and interventions. <i>Journal of Neurochemistry</i> , 2018, 144, 360-389.	3.9	10
36	Chitosan encapsulation of essential oil "cocktails" with well-defined binary Zn(II)-Schiff base species targeting antibacterial medicinal nanotechnology. <i>Journal of Inorganic Biochemistry</i> , 2017, 176, 24-37.	3.5	9

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37	Structural studies of adipokinetic hormones in water and DPC micelle solution using NMR distance restrained molecular dynamics. <i>Peptides</i> , 2014, 53, 270-277.	2.4	8
38	Potential thermodynamic and kinetic roles of phytate as an inhibitor of kidney stone formation: theoretical modelling and crystallization experiments. <i>Urolithiasis</i> , 2019, 47, 493-502.	2.0	7
39	Novel quaternary ammonium compounds derived from aromatic and cyclic amino acids: Synthesis, physicochemical studies and biological evaluation. <i>Chemistry and Physics of Lipids</i> , 2021, 235, 105051.	3.2	7
40	Two Dimensional NMR Study of Some Natural Coumarins. <i>Spectroscopy Letters</i> , 1990, 23, 359-367.	1.0	6
41	Solution chemistry of 1,15-bis(N,N-dimethyl)-5,11-dioxo-8-(N-benzyl)-1,4,8,12,15-pentaazapentadecane with metal ions of biological interest—Insights toward active metal ion containing therapeutics and diagnostic agents. <i>Dalton Transactions</i> , 2006, , 4029-4038.	3.3	6
42	Solution equilibria of copper(II) complexation with N,N- ϵ -(2,2-azanediybis(ethane-2,1-diy))dipicolinamide: A bio-distribution and dermal absorption study. <i>Journal of Inorganic Biochemistry</i> , 2007, 101, 1120-1128.	3.5	6
43	Potentiometric and spectroscopic studies of the complex formation between copper(II) and Gly-Leu-Phe or Sar-Leu-Phe tripeptides. <i>Polyhedron</i> , 2019, 170, 553-563.	2.2	6
44	Conformational analysis of a cyclic AKH neuropeptide analog that elicits selective activity on locust versus honeybee receptor. <i>Insect Biochemistry and Molecular Biology</i> , 2020, 125, 103362.	2.7	6
45	Structural Assignment of the Opium Alkaloid, Codeine via 2D NMR Techniques. <i>Spectroscopy Letters</i> , 1997, 30, 497-505.	1.0	5
46	Solution equilibria and the X-ray structure of Cu(II) complexation with 3-amino-N-(pyridin-2-ylmethyl)propanamide, a pseudo-mimic of human serum albumin. <i>Dalton Transactions</i> , 2016, 45, 17010-17019.	3.3	5
47	Determination of thermodynamic parameters for complexation of calcium and magnesium with chondroitin sulfate isomers using isothermal titration calorimetry: Implications for calcium kidney-stone research. <i>Journal of Crystal Growth</i> , 2017, 463, 14-18.	1.5	5
48	Stability, solution structure and X-ray crystallography of a copper (II) diamide complex. <i>Inorganica Chimica Acta</i> , 2019, 498, 119132.	2.4	5
49	Copper anti-inflammatory drugs in rheumatoid arthritis. Part 3. A potentiometric and spectroscopic study of zinc(II), calcium(II), and magnesium(II) polyaminodicarboxylate complexes. <i>Journal of the Chemical Society Dalton Transactions</i> , 1990, , 1889.	1.1	4
50	NMR Study of Insect Adipokinetic Hormones. <i>Spectroscopy Letters</i> , 2000, 33, 875-891.	1.0	4
51	JESS: What Can It Teach Us?. <i>AIP Conference Proceedings</i> , 2007, , .	0.4	4
52	In vitro studies of dermally absorbed Cu(II) tripeptide complexes as potential anti-inflammatory drugs. <i>Polyhedron</i> , 2017, 123, 23-32.	2.2	4
53	Phote-HrTH (Phormia terraenovae Hypertrehalosaemic Hormone), the Metabolic Hormone of the Fruit Fly: Solution Structure and Receptor Binding Model. <i>Australian Journal of Chemistry</i> , 2020, 73, 202.	0.9	4
54	Two Dimensional NMR Study of Aspidospermine. <i>Spectroscopy Letters</i> , 1993, 26, 707-719.	1.0	3

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55	AN NMR INVESTIGATION INTO THE DYNAMICS OF PANOSE, AN α -1,4 AND α -1,6-LINKED TRISACCHARIDE. Spectroscopy Letters, 2002, 35, 625-632.	1.0	3
56	Solid-state isolation of a unique, small-molecule, supra-heterodimer of large hexameric assemblies of C-methylcalix[4]resorcinarene. CrystEngComm, 2016, 18, 3015-3018.	2.6	3
57	Insights into the Activation of a Crustacean G Protein-Coupled Receptor: Evaluation of the Red Pigment-Concentrating Hormone Receptor of the Water Flea <i>Daphnia pulex</i> (Dappu-RPCH R). Biomolecules, 2021, 11, 710.	4.0	3
58	Infrared Spectra of the Square Planar Rhodium(I) Complexes <i>cis</i> -[Rh(CO) ₂ (pyridine)(X)] (X = Cl, Br): Isotopic Labelling Studies and Normal Coordinate Analysis. Spectroscopy Letters, 1993, 26, 1247-1267.	1.0	2
59	NMR EXCHANGE STUDIES ON THE COMPLEXES <i>cis</i> -[Rh(CO) ₂ (pyridine)]	1.0	2
60	Formation and spectral properties of metal ion complexes of tripeptides. Inorganica Chimica Acta, 2016, 453, 29-38.	2.4	2
61	Data for the homology modelling of the red pigment-concentrating hormone receptor (Dappu-RPCHR) of the crustacean <i>Daphnia pulex</i> , and docking of its cognate agonist (Dappu-RPCH). Data in Brief, 2017, 15, 941-947.	1.0	2
62	In Silico Screening for Pesticide Candidates against the Desert Locust <i>Schistocerca gregaria</i> . Life, 2022, 12, 387.	2.4	2
63	The Application of 2D NMR Techniques in the Structural Assignment of the Diterpenoid Alkaloid, Delphinine. Spectroscopy Letters, 1997, 30, 213-222.	1.0	1
64	Potentiometric and Blood Plasma Simulation Studies of Nickel(II) Complexes of Poly(amino)amido Pentadentate Ligands: Computer Aided Metal-Based Drug Design. Bioinorganic Chemistry and Applications, 2014, 2014, 1-7.	4.1	1
65	Successful urinary discrimination between calcium oxalate kidney stone patients and healthy subjects using ¹ H NMR spectroscopy: Suggestion of a possible link to protein content. NMR in Biomedicine, 2019, 32, e4177.	2.8	1
66	In support of hydroxycitrate being clinically investigated as a potential therapy of calcium nephrolithiasis: Theoretical modelling and in vitro investigation of thermodynamic effects. Journal of Crystal Growth, 2021, 558, 125956.	1.5	1
67	Human blood adenosine biomarkers and non-rapid eye movement sleep stage 3 (NREM3) cortical functional connectivity associations during a 30-day head-down tilt bed rest analogue: Potential effectiveness of a reactive sled jump as a countermeasure. Journal of Sleep Research, 2021, 30, e13323.	3.2	1
68	Aqueous Solution Equilibria and Spectral Features of Copper Complexes with Tripeptides Containing Glycine or Sarcosine and Leucine or Phenylalanine. Inorganics, 2022, 10, 8.	2.7	1
69	Structure of sodium perchlorate- β -diethylene glycol. Journal of Chemical Crystallography, 1998, 28, 213-216.	1.1	0
70	Theoretical and laboratory investigations of the effects of hydroxyproline ingestion on the metabolic and physicochemical risk factors for calcium oxalate kidney stone formation in a small group of healthy subjects. International Urology and Nephrology, 2019, 51, 1121-1127.	1.4	0
71	Stability, Structure, and Permeability Studies of Copper Tripeptide Species in Aqueous Solution. Australian Journal of Chemistry, 2021, 74, 613.	0.9	0