

Simon C Drew

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/3094379/publications.pdf>

Version: 2024-02-01

64
papers

2,281
citations

236833

25
h-index

214721

47
g-index

67
all docs

67
docs citations

67
times ranked

2520
citing authors

#	ARTICLE	IF	CITATIONS
1	Ternary Cu ²⁺ Complexes of Human Serum Albumin and Glycyl-histidyl-lysine. <i>Inorganic Chemistry</i> , 2021, 60, 16927-16931.	1.9	9
2	Intermediate Cu(II)-Thiolate Species in the Reduction of Cu(II)GHK by Glutathione: A Handy Chelate for Biological Cu(II) Reduction. <i>Inorganic Chemistry</i> , 2021, 60, 18048-18057.	1.9	13
3	The Subpicomolar Cu ²⁺ Dissociation Constant of Human Serum Albumin. <i>ChemBioChem</i> , 2020, 21, 331-334.	1.3	36
4	Ternary Cu(II) Complex with GHK Peptide and Cis-Urocanic Acid as a Potential Physiologically Functional Copper Chelate. <i>International Journal of Molecular Sciences</i> , 2020, 21, 6190.	1.8	16
5	The Palladium(II) Complex of A β 16 as Suitable Model for Structural Studies of Biorelevant Copper(II) Complexes of N-Truncated Beta-Amyloids. <i>International Journal of Molecular Sciences</i> , 2020, 21, 9200.	1.8	4
6	Aldehyde Production as a Calibrant of Ultrasonic Power Delivery During Protein Misfolding Cyclic Amplification. <i>Protein Journal</i> , 2020, 39, 501-508.	0.7	0
7	Oligopeptides Generated by Neprilysin Degradation of A β 2-Amyloid Have the Highest Cu(II) Affinity in the Whole A β Family. <i>Inorganic Chemistry</i> , 2019, 58, 932-943.	1.9	22
8	Identification of the Binding Site of Apical Membrane Antigen-1 (AMA1) Inhibitors Using a Paramagnetic Probe. <i>ChemMedChem</i> , 2019, 14, 603-612.	1.6	9
9	Prion protein cleavage fragments regulate adult neural stem cell quiescence through redox modulation of mitochondrial fission and SOD2 expression. <i>Cellular and Molecular Life Sciences</i> , 2018, 75, 3231-3249.	2.4	20
10	The Cu(II) affinity of the N-terminus of human copper transporter CTR1: Comparison of human and mouse sequences. <i>Journal of Inorganic Biochemistry</i> , 2018, 182, 230-237.	1.5	27
11	The N-terminal 14-mer model peptide of human Ctr1 can collect Cu(II) from albumin. Implications for copper uptake by Ctr1. <i>Metallomics</i> , 2018, 10, 1723-1727.	1.0	37
12	Structural Insight into Redox Dynamics of Copper Bound N-Truncated Amyloid-A β Peptides from <i>in Situ</i> X-ray Absorption Spectroscopy. <i>Inorganic Chemistry</i> , 2018, 57, 11422-11435.	1.9	25
13	Interplay between Copper, Neprilysin, and N-Truncation of A β -Amyloid. <i>Inorganic Chemistry</i> , 2018, 57, 6193-6197.	1.9	29
14	In Vivo-Near Infrared Imaging of Neurodegeneration. <i>Methods in Molecular Biology</i> , 2017, 1658, 253-262.	0.4	0
15	A 2-Substituted 8-Hydroxyquinoline Stimulates Neural Stem Cell Proliferation by Modulating ROS Signalling. <i>Cell Biochemistry and Biophysics</i> , 2016, 74, 297-306.	0.9	14
16	Resistance of Cu(A β 16) to Copper Capture by Metallothionein-3 Supports a Function for the A β 42 Peptide as a Synaptic Cu(II) Scavenger. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 8235-8238.	7.2	51
17	On the ability of CuA β 1-x peptides to form ternary complexes: Neurotransmitter glutamate is a competitor while not a ternary partner. <i>Journal of Inorganic Biochemistry</i> , 2016, 158, 5-10.	1.5	8
18	Interactions of A β -Factor-1, a Yeast Pheromone, and Its Analogue with Copper(II) Ions and Low-Molecular-Weight Ligands Yield Very Stable Complexes. <i>Inorganic Chemistry</i> , 2016, 55, 7829-7831.	1.9	19

#	ARTICLE	IF	CITATIONS
19	Tuning the Redox Properties of Copper(II) Complexes with Amyloid- β Peptides. <i>Journal of the Electrochemical Society</i> , 2016, 163, G196-G199.	1.3	28
20	Copper Exchange and Redox Activity of a Prototypical 8-Hydroxyquinoline: Implications for Therapeutic Chelation. <i>Inorganic Chemistry</i> , 2016, 55, 7317-7319.	1.9	23
21	Probing the quaternary structure of metal-bridged peptide oligomers. <i>Journal of Inorganic Biochemistry</i> , 2016, 158, 30-34.	1.5	9
22	A Functional Role for Al^{β} in Metal Homeostasis? N-Termination and High-Affinity Copper Binding. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 10460-10464.	7.2	102
23	The Prion Protein N1 and N2 Cleavage Fragments Bind to Phosphatidylserine and Phosphatidic Acid; Relevance to Stress-Protection Responses. <i>PLoS ONE</i> , 2015, 10, e0134680.	1.1	18
24	The N-Terminus of β -Synuclein Forms Cu-Bridged Oligomers. <i>Chemistry - A European Journal</i> , 2015, 21, 7111-7118.	1.7	21
25	Cavitation during the protein misfolding cyclic amplification (PMCA) method – The trigger for de novo prion generation?. <i>Biochemical and Biophysical Research Communications</i> , 2015, 461, 494-500.	1.0	4
26	β -Synuclein and β -Amyloid form a Bridged Copper Complex. <i>Applied Magnetic Resonance</i> , 2015, 46, 1041-1052.	0.6	7
27	The prion protein regulates beta-amyloid-mediated self-renewal of neural stem cells in vitro. <i>Stem Cell Research and Therapy</i> , 2015, 6, 60.	2.4	13
28	Stable Radical Content and Anti-Radical Activity of Roasted Arabica Coffee: From In-Tact Bean to Coffee Brew. <i>PLoS ONE</i> , 2015, 10, e0122834.	1.1	14
29	Blood vessel cell death during prion disease: Implications for disease management and infection control. <i>Experimental Hematology</i> , 2014, 42, 939-940.	0.2	5
30	Neutron Reflectometry Studies Define Prion Protein N-terminal Peptide Membrane Binding. <i>Biophysical Journal</i> , 2014, 107, 2313-2324.	0.2	27
31	Cu ²⁺ Coordination of Covalently Cross-linked β -Amyloid Dimers. <i>Applied Magnetic Resonance</i> , 2013, 44, 927-939.	0.6	6
32	Tuning Radical Species in Graphene Oxide in Aqueous Solution by Photoirradiation. <i>Journal of Physical Chemistry C</i> , 2013, 117, 6788-6793.	1.5	55
33	Mixed Ligand Cu ²⁺ -Complexes of a Model Therapeutic with Alzheimer's Amyloid- β Peptide and Monoamine Neurotransmitters. <i>Inorganic Chemistry</i> , 2013, 52, 4303-4318.	1.9	54
34	Redox Activity and Two-Step Valence Tautomerism in a Family of Dinuclear Cobalt Complexes with a Spiroconjugated Bis(dioxolene) Ligand. <i>Journal of the American Chemical Society</i> , 2013, 135, 8304-8323.	6.6	102
35	Copper complexes of a novel non-innocent quadridentate ligand. <i>Chemical Communications</i> , 2012, 48, 2570.	2.2	10
36	Spectroscopic Characterization of the Molybdenum Cofactor of the Sulfane Dehydrogenase SoxCD from <i>Paracoccus pantotrophus</i> . <i>Inorganic Chemistry</i> , 2011, 50, 409-411.	1.9	3

#	ARTICLE	IF	CITATIONS
37	The Heterogeneous Nature of Cu ²⁺ Interactions with Alzheimer's Amyloid- β Peptide. <i>Accounts of Chemical Research</i> , 2011, 44, 1146-1155.	7.6	160
38	Stereospecific interactions are necessary for Alzheimer disease amyloid- β toxicity. <i>Neurobiology of Aging</i> , 2011, 32, 235-248.	1.5	49
39	Optical Imaging Detects Apoptosis in the Brain and Peripheral Organs of Prion-Infected Mice. <i>Journal of Neuropathology and Experimental Neurology</i> , 2011, 70, 143-150.	0.9	17
40	The Unusual Magnetic Resonance Properties of Trigonal Prismatic Tc and Re Complexes. <i>Applied Magnetic Resonance</i> , 2011, 40, 427-440.	0.6	1
41	The structure of dopamine induced β -synuclein oligomers. <i>European Biophysics Journal</i> , 2010, 39, 1407-1419.	1.2	87
42	Theoretical Calculation of the Magnetic Resonance Parameters of Trigonal-Prismatic Tris(<i>o</i> -aminobenzenethiol)technetium and -rhenium Complexes. <i>Inorganic Chemistry</i> , 2010, 49, 6799-6801.	1.9	3
43	Near-Infrared Fluorescence Imaging of Apoptotic Neuronal Cell Death in a Live Animal Model of Prion Disease. <i>ACS Chemical Neuroscience</i> , 2010, 1, 720-727.	1.7	25
44	Alzheimer's β Peptides with Disease-Associated N-Terminal Modifications: Influence of Isomerisation, Truncation and Mutation on Cu ²⁺ Coordination. <i>PLoS ONE</i> , 2010, 5, e15875.	1.1	40
45	Dominant roles of the polybasic proline motif and copper in the PrP ²³⁻⁸⁹ -mediated stress protection response. <i>Journal of Cell Science</i> , 2009, 122, 1518-1528.	1.2	39
46	Copper Coordination by Familial Mutants of Parkinson's Disease-Associated β -Synuclein. <i>Applied Magnetic Resonance</i> , 2009, 36, 223-229.	0.6	10
47	Determination of the Metal-Dithiolate Fold Angle in Mononuclear Molybdenum(V) Centers by EPR Spectroscopy. <i>Inorganic Chemistry</i> , 2009, 48, 2224-2232.	1.9	21
48	Alanine-2 Carbonyl is an Oxygen Ligand in Cu ²⁺ Coordination of Alzheimer's Disease Amyloid- β Peptide - Relevance to N-Terminally Truncated Forms. <i>Journal of the American Chemical Society</i> , 2009, 131, 8760-8761.	6.6	163
49	Pleomorphic Copper Coordination by Alzheimer's Disease Amyloid- β Peptide. <i>Journal of the American Chemical Society</i> , 2009, 131, 1195-1207.	6.6	228
50	Applications of electron paramagnetic resonance to studies of neurological disease. <i>European Biophysics Journal</i> , 2008, 37, 281-294.	1.2	7
51	Electron paramagnetic resonance characterization of the copper-resistance protein PcoC from <i>Escherichia coli</i> . <i>Journal of Biological Inorganic Chemistry</i> , 2008, 13, 899-907.	1.1	6
52	Cu ²⁺ Binding Modes of Recombinant β -Synuclein - Insights from EPR Spectroscopy. <i>Journal of the American Chemical Society</i> , 2008, 130, 7766-7773.	6.6	100
53	Synthesis, Structural Characterization, and Multifrequency Electron Paramagnetic Resonance Studies of Mononuclear Thiomolybdenyl Complexes. <i>Inorganic Chemistry</i> , 2007, 46, 2373-2387.	1.9	31
54	Differential modulation of Alzheimer's disease amyloid β -peptide accumulation by diverse classes of metal ligands. <i>Biochemical Journal</i> , 2007, 407, 435-450.	1.7	58

#	ARTICLE	IF	CITATIONS
55	A Density Functional Study of the Electronic Structure and Spin Hamiltonian Parameters of Mononuclear Thiomolybdenyl Complexes. <i>Inorganic Chemistry</i> , 2007, 46, 2388-2397.	1.9	31
56	Copper-mediated Amyloid- β^2 Toxicity Is Associated with an Intermolecular Histidine Bridge*. <i>Journal of Biological Chemistry</i> , 2006, 281, 15145-15154.	1.6	170
57	Synthetic, EPR spectroscopic, magnetic and X-ray crystallographic structural studies on copper(II) complexes of the tridentate N2S donor ligand formed from 6-methyl-2-formylpyridine and S-methyldithiocarbamate (Hmpsme). <i>Inorganica Chimica Acta</i> , 2005, 358, 3937-3948.	1.2	56
58	A new heterobinuclear FeIII/CuII complex with a single terminal FeIII-O(phenolate) bond. Relevance to purple acid phosphatases and nucleases. <i>Journal of Biological Inorganic Chemistry</i> , 2005, 10, 319-332.	1.1	74
59	A diffusion and T2 relaxation MRI study of the ovine lumbar intervertebral disc under compression in vitro. <i>Physics in Medicine and Biology</i> , 2004, 49, 3585-3592.	1.6	24
60	Spin States of C6O3- and C12O6- (n= 2, 3, 4) Anions Using Electron Spin Transient Nutation Spectroscopy. <i>Journal of Physical Chemistry B</i> , 2003, 107, 11353-11359.	1.2	11
61	Superhyperfine interactions in inhomogeneously broadened paramagnetic centers observed via a hole-burned free induction decay. <i>Journal of Chemical Physics</i> , 2003, 118, 3148-3153.	1.2	0
62	On the theory of mixing-frequency electron spin-echo envelope modulation spectroscopy. <i>Applied Magnetic Resonance</i> , 2002, 22, 561.	0.6	0
63	Removal of a cysteine ligand from rubredoxin: assembly of Fe2S2 and Fe(S-Cys)3(OH) centres. <i>Journal of Biological Inorganic Chemistry</i> , 2002, 7, 781-790.	1.1	19
64	Field-swept pulsed electron paramagnetic resonance of Cr3+-doped ZBLAN fluoride glass. <i>Journal Physics D: Applied Physics</i> , 2001, 34, 2987-2994.	1.3	11