

Timothy P Cleland

List of Publications by Year in descending order

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Version: 2024-02-01

39
papers

1,095
citations

430874

18
h-index

414414

32
g-index

40
all docs

40
docs citations

40
times ranked

1216
citing authors

#	ARTICLE	IF	CITATIONS
1	Molecular analyses of dinosaur osteocytes support the presence of endogenous molecules. <i>Bone</i> , 2013, 52, 414-423.	2.9	80
2	Expansion for the <i>Brachylophosaurus canadensis</i> Collagen I Sequence and Additional Evidence of the Preservation of Cretaceous Protein. <i>Journal of Proteome Research</i> , 2017, 16, 920-932.	3.7	80
3	Glutamine deamidation: an indicator of antiquity, or preservational quality?. <i>Rapid Communications in Mass Spectrometry</i> , 2016, 30, 251-255.	1.5	79
4	A role for iron and oxygen chemistry in preserving soft tissues, cells and molecules from deep time. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2014, 281, 20132741.	2.6	77
5	High-Throughput Analysis of Intact Human Proteins Using LVPD and HCD on an Orbitrap Mass Spectrometer. <i>Journal of Proteome Research</i> , 2017, 16, 2072-2079.	3.7	69
6	Biologically and diagenetically derived peptide modifications in moa collagens. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2015, 282, 20150015.	2.6	67
7	Mass Spectrometry and Antibody-Based Characterization of Blood Vessels from <i>Brachylophosaurus canadensis</i> . <i>Journal of Proteome Research</i> , 2015, 14, 5252-5262.	3.7	59
8	Accumulation of carboxymethyl-lysine (CML) in human cortical bone. <i>Bone</i> , 2018, 110, 128-133.	2.9	58
9	Empirical Evaluation of Bone Extraction Protocols. <i>PLoS ONE</i> , 2012, 7, e31443.	2.5	52
10	A Comparison of Common Mass Spectrometry Approaches for Paleoproteomics. <i>Journal of Proteome Research</i> , 2018, 17, 936-945.	3.7	47
11	Identification and characterization of glycation adducts on osteocalcin. <i>Analytical Biochemistry</i> , 2017, 525, 46-53.	2.4	43
12	Peptide sequences from the first <i>Castoroides ohioensis</i> skull and the utility of old museum collections for palaeoproteomics. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2016, 283, 20160593.	2.6	39
13	Bone protein extraction without demineralization using principles from hydroxyapatite chromatography. <i>Analytical Biochemistry</i> , 2015, 472, 62-66.	2.4	38
14	Human Bone Paleoproteomics Utilizing the Single-Pot, Solid-Phase-Enhanced Sample Preparation Method to Maximize Detected Proteins and Reduce Humics. <i>Journal of Proteome Research</i> , 2018, 17, 3976-3983.	3.7	30
15	Paleoproteomics of Mesozoic Dinosaurs and Other Mesozoic Fossils. <i>Proteomics</i> , 2019, 19, e1800251.	2.2	28
16	Solid Digestion of Demineralized Bone as a Method To Access Potentially Insoluble Proteins and Post-Translational Modifications. <i>Journal of Proteome Research</i> , 2018, 17, 536-542.	3.7	26
17	Exploring the effects of phylogenetic uncertainty and consensus trees on stratigraphic consistency scores: a new program and a standardized method. <i>Cladistics</i> , 2011, 27, 52-60.	3.3	19
18	Rapid Evaluation of the Debromination Mechanism of Eosin in Oil Paint by Direct Analysis in Real Time and Direct Infusion-Electrospray Ionization Mass Spectrometry. <i>Analytical Chemistry</i> , 2019, 91, 10856-10863.	6.5	19

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19	Characterization of membrane metal threads by proteomics and analysis of a 14th c. thread from an Italian textile. <i>Journal of Cultural Heritage</i> , 2018, 33, 10-17.	3.3	18
20	Diagenetiforms: A new term to explain protein changes as a result of diagenesis in paleoproteomics. <i>Journal of Proteomics</i> , 2021, 230, 103992.	2.4	18
21	Chemical effects of diceCT staining protocols on fluid-preserved avian specimens. <i>PLoS ONE</i> , 2020, 15, e0238783.	2.5	17
22	Long-read HiFi sequencing correctly assembles repetitive heavy fibroin silk genes in new moth and caddisfly genomes. <i>GigaByte</i> , 0, 2022, 1-14.	0.0	17
23	Osteogenesis, homology, and function of the intercostal plates in ornithischian dinosaurs (Tetrapoda, Sauropsida). <i>Zoomorphology</i> , 2011, 130, 305-313.	0.8	16
24	Histological, chemical, and morphological reexamination of the "heart" of a small Late Cretaceous <i>Thescelosaurus</i> . <i>Die Naturwissenschaften</i> , 2011, 98, 203-211.	1.6	15
25	Proteomic and direct analysis in real time mass spectrometry analysis of a Native American ceremonial hat. <i>Analyst</i> , 2019, 144, 7437-7446.	3.5	12
26	Novel Proteomic Profiling of Epididymal Extracellular Vesicles in the Domestic Cat Reveals Proteins Related to Sequential Sperm Maturation with Differences Observed between Normospermic and Teratospermic Individuals. <i>Molecular and Cellular Proteomics</i> , 2020, 19, 2090-2104.	3.8	12
27	Deep Time Paleoproteomics: Looking Forward. <i>Journal of Proteome Research</i> , 2022, 21, 9-19.	3.7	12
28	Altered protein levels in bone marrow lesions of hip osteoarthritis: Analysis by proteomics and multiplex immunoassays. <i>International Journal of Rheumatic Diseases</i> , 2020, 23, 788-799.	1.9	11
29	Influence of carboxylation on osteocalcin detection by mass spectrometry. <i>Rapid Communications in Mass Spectrometry</i> , 2016, 30, 2109-2115.	1.5	7
30	Creation of a peptide database of corneous beta-proteins of marine turtles for the identification of tortoiseshell: archaeological combs as case study. <i>Royal Society Open Science</i> , 2021, 8, 201857.	2.4	7
31	First Annotated Genome of a Mandibulate Moth, <i>Neomicropteryx cornuta</i> , Generated Using PacBio HiFi Sequencing. <i>Genome Biology and Evolution</i> , 2021, 13, .	2.5	7
32	Microwave-assisted acid hydrolysis for whole bone proteomics and paleoproteomics. <i>Rapid Communications in Mass Spectrometry</i> , 2020, 34, e8568.	1.5	6
33	Proteomic profile of bone collagen extracted for stable isotopes: Implications for bulk and single amino acid analyses. <i>Rapid Communications in Mass Spectrometry</i> , 2021, 35, e9025.	1.5	6
34	In-Line Dopant Generation for Atmospheric Pressure Ionization Mass Spectrometry. <i>Analytical Chemistry</i> , 2021, 93, 13527-13533.	6.5	2
35	Mechano-chemical regulation of bat wing bones for flight. <i>Journal of the Mechanical Behavior of Biomedical Materials</i> , 2021, 124, 104809.	3.1	0
36	Chemical effects of diceCT staining protocols on fluid-preserved avian specimens. , 2020, 15, e0238783.		0

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37	Chemical effects of diceCT staining protocols on fluid-preserved avian specimens. , 2020, 15, e0238783.		0
38	Chemical effects of diceCT staining protocols on fluid-preserved avian specimens. , 2020, 15, e0238783.		0
39	Chemical effects of diceCT staining protocols on fluid-preserved avian specimens. , 2020, 15, e0238783.		0