

Louise J Brown

List of Publications by Year in descending order

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46
papers

1,845
citations

304743

22
h-index

265206

42
g-index

47
all docs

47
docs citations

47
times ranked

2257
citing authors

#	ARTICLE	IF	CITATIONS
1	Synthetic biology for improved hydrogen production in <i>Chlamydomonas reinhardtii</i> . <i>Microbial Biotechnology</i> , 2022, 15, 1946-1965.	4.2	9
2	Phosphorylation of Troponin I finely controls the positioning of Troponin for the optimal regulation of cardiac muscle contraction. <i>Journal of Molecular and Cellular Cardiology</i> , 2021, 150, 44-53.	1.9	12
3	Constructing a structural model of troponin using site-directed spin labeling: EPR and PRE-NMR. <i>Biophysical Reviews</i> , 2019, 11, 621-639.	3.2	6
4	A conserved GXXXG motif in the transmembrane domain of CLIC proteins is essential for their cholesterol-dependant membrane interaction. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2019, 1863, 1243-1253.	2.4	9
5	Influence of surface chemistry on the formation of a protein corona on nanodiamonds. <i>Journal of Materials Chemistry B</i> , 2019, 7, 3383-3389.	5.8	15
6	Characterization of the L29Q Hypertrophic Cardiomyopathy Mutation in Cardiac Troponin C by Paramagnetic Relaxation Enhancement Nuclear Magnetic Resonance. <i>Biochemistry</i> , 2019, 58, 908-917.	2.5	4
7	Influence of surface composition on the colloidal stability of ultra-small detonation nanodiamonds in biological media. <i>Diamond and Related Materials</i> , 2018, 83, 38-45.	3.9	15
8	Reduced background autofluorescence for cell imaging using nanodiamonds and lanthanide chelates. <i>Scientific Reports</i> , 2018, 8, 4521.	3.3	48
9	The concerted movement of the switch region of Troponin I in cardiac muscle thin filaments as tracked by conventional and pulsed (DEER) EPR. <i>Journal of Structural Biology</i> , 2017, 200, 376-387.	2.8	5
10	Nano-assembly of nanodiamonds by conjugation to actin filaments. <i>Journal of Biophotonics</i> , 2016, 9, 296-304.	2.3	12
11	CLIC1 regulates dendritic cell antigen processing and presentation by modulating phagosome acidification and proteolysis. <i>Biology Open</i> , 2016, 5, 620-630.	1.2	33
12	Interaction of Human Chloride Intracellular Channel Protein 1 (CLIC1) with Lipid Bilayers: A Fluorescence Study. <i>Biochemistry</i> , 2016, 55, 3825-3833.	2.5	17
13	Members of the Chloride Intracellular Ion Channel Protein Family Demonstrate Glutaredoxin-Like Enzymatic Activity. <i>PLoS ONE</i> , 2015, 10, e115699.	2.5	78
14	Ca ²⁺ -Induced PRE-NMR Changes in the Troponin Complex Reveal the Possessive Nature of the Cardiac Isoform for Its Regulatory Switch. <i>PLoS ONE</i> , 2014, 9, e112976.	2.5	15
15	CLIC proteins, ezrin, radixin, moesin and the coupling of membranes to the actin cytoskeleton: A smoking gun?. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2014, 1838, 643-657.	2.6	59
16	Three-dimensional optical manipulation of a single electron spin. <i>Nature Nanotechnology</i> , 2013, 8, 175-179.	31.5	127
17	Effect of Labeling with Iron Oxide Particles or Nanodiamonds on the Functionality of Adipose-Derived Mesenchymal Stem Cells. <i>PLoS ONE</i> , 2013, 8, e52997.	2.5	52
18	Effects of Calcium Binding and the Hypertrophic Cardiomyopathy A8V Mutation on the Dynamic Equilibrium between Closed and Open Conformations of the Regulatory N-Domain of Isolated Cardiac Troponin C. <i>Biochemistry</i> , 2013, 52, 1950-1962.	2.5	30

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19	Regulation of the Membrane Insertion and Conductance Activity of the Metamorphic Chloride Intracellular Channel Protein CLIC1 by Cholesterol. PLoS ONE, 2013, 8, e56948.	2.5	37
20	Point Mutations in the Transmembrane Region of the Clic1 Ion Channel Selectively Modify Its Biophysical Properties. PLoS ONE, 2013, 8, e74523.	2.5	21
21	Intracellular chloride channel protein CLIC1 regulates macrophage functions via modulation of phagosomal acidification. Journal of Cell Science, 2012, 125, 5479-88.	2.0	75
22	Processing 15-nm Nanodiamonds Containing Nitrogen-vacancy Centres for Single-molecule FRET. Australian Journal of Chemistry, 2012, 65, 496.	0.9	9
23	Interdomain orientation of cardiac Troponin C characterized by paramagnetic relaxation enhancement NMR reveals a compact state. Protein Science, 2012, 21, 1376-1387.	7.6	15
24	Transmembrane Extension and Oligomerization of the CLIC1 Chloride Intracellular Channel Protein upon Membrane Interaction. Biochemistry, 2011, 50, 10887-10897.	2.5	43
25	Crystal structure of importin β bound to a peptide bearing the nuclear localisation signal from chloride intracellular channel protein 4. FEBS Journal, 2011, 278, 1662-1675.	4.7	23
26	Structural gymnastics of multifunctional metamorphic proteins. Biophysical Reviews, 2011, 3, 143-153.	3.2	37
27	Luminescent nanodiamonds for biomedical applications. Biophysical Reviews, 2011, 3, 171-184.	3.2	67
28	Distance Measurements by Continuous Wave EPR Spectroscopy to Monitor Protein Folding. Methods in Molecular Biology, 2011, 752, 73-96.	0.9	11
29	The enigma of the CLIC proteins: Ion channels, redox proteins, enzymes, scaffolding proteins?. FEBS Letters, 2010, 584, 2093-2101.	2.8	160
30	Generation and characterization of mice with null mutation of the chloride intracellular channel 1 gene. Genesis, 2010, 48, NA-NA.	1.6	23
31	Structure and Dynamics of the Mobile Domain of Troponin I by SDSL-EPR. Biophysical Journal, 2010, 98, 148a.	0.5	2
32	Metamorphic Response of the CLIC1 Chloride Intracellular Ion Channel Protein upon Membrane Interaction. Biochemistry, 2010, 49, 5278-5289.	2.5	34
33	Oxidation promotes insertion of the CLIC1 chloride intracellular channel into the membrane. European Biophysics Journal, 2009, 39, 129-138.	2.2	58
34	Comparison of vertebrate and invertebrate CLIC proteins: The crystal structures of <i>Caenorhabditis elegans</i> EXC4 and <i>Drosophila melanogaster</i> DmCLIC. Proteins: Structure, Function and Bioinformatics, 2008, 71, 364-378.	2.6	56
35	Myosin binding protein β C: Enigmatic regulator of cardiac contraction. International Journal of Biochemistry and Cell Biology, 2007, 39, 2161-2166.	2.8	53
36	Structure of the Janus Protein Human CLIC2. Journal of Molecular Biology, 2007, 374, 719-731.	4.2	64

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37	Practical Pulsed Dipolar ESR (DEER). , 2007, , 95-128.		27
38	Crystal structure of the soluble form of the redox-regulated chloride ion channel protein CLIC4. FEBS Journal, 2005, 272, 4996-5007.	4.7	112
39	The Intracellular Chloride Ion Channel Protein CLIC1 Undergoes a Redox-controlled Structural Transition. Journal of Biological Chemistry, 2004, 279, 9298-9305.	3.4	192
40	Myosin binding protein C: Structural abnormalities in familial hypertrophic cardiomyopathy. Cell Research, 2004, 14, 95-110.	12.0	53
41	Structure of the inhibitory region of troponin by site directed spin labeling electron paramagnetic resonance. Proceedings of the National Academy of Sciences of the United States of America, 2002, 99, 12765-12770.	7.1	61
42	Functional and spectroscopic studies of a familial hypertrophic cardiomyopathy mutation in Motif X of cardiac myosin binding protein-C. European Biophysics Journal, 2002, 31, 400-408.	2.2	11
43	Independent Movement of the Regulatory and Catalytic Domains of Myosin Heads Revealed by Phosphorescence Anisotropy. Biochemistry, 2001, 40, 8283-8291.	2.5	12
44	Intradomain Distances in the Regulatory Domain of the Myosin Head in Prepower and Postpower Stroke States: A Fluorescence Energy Transfer. Biochemistry, 1999, 38, 13026-13034.	2.5	20
45	EPR and CD spectroscopy of fast myosin light chain conformation during binding of trifluoperazine. FEBS Journal, 1998, 257, 457-465.	0.2	16
46	Direct cloning of polymerase chain reaction products into the pinpoint Xa1-T vector protein expression system. Electrophoresis, 1998, 19, 860-866.	2.4	6