

# Celia V Romao

## List of Publications by Year in descending order

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45  
papers

1,120  
citations

361296

20  
h-index

414303

32  
g-index

47  
all docs

47  
docs citations

47  
times ranked

1230  
citing authors

#	ARTICLE	IF	CITATIONS
1	Repair of Iron Center Proteins—A Different Class of Hemerythrin-like Proteins. <i>Molecules</i> , 2022, 27, 4051.	1.7	2
2	Phosphorylation status of BolA affects its role in transcription and biofilm development. <i>FEBS Journal</i> , 2021, 288, 961-979.	2.2	6
3	Structural Basis of RICs Iron Donation for Iron-Sulfur Cluster Biogenesis. <i>Frontiers in Microbiology</i> , 2021, 12, 670681.	1.5	4
4	An Internal Promoter Drives the Expression of a Truncated Form of CCC1 Capable of Protecting Yeast from Iron Toxicity. <i>Microorganisms</i> , 2021, 9, 1337.	1.6	1
5	The Amino Acids Motif -32GSSYN36- in the Catalytic Domain of E. coli Flavorubredoxin NO Reductase Is Essential for Its Activity. <i>Catalysts</i> , 2021, 11, 926.	1.6	1
6	How superoxide reductases and flavodiiron proteins combat oxidative stress in anaerobes. <i>Free Radical Biology and Medicine</i> , 2019, 140, 36-60.	1.3	43
7	The interplay between Mn and Fe in <i>Deinococcus radiodurans</i> triggers cellular protection during paraquat-induced oxidative stress. <i>Scientific Reports</i> , 2019, 9, 17217.	1.6	18
8	Analysis of a new flavodiiron core structural arrangement in Flv1-1 <sup>+</sup> FIR protein from <i>Synechocystis</i> sp. PCC6803. <i>Journal of Structural Biology</i> , 2019, 205, 91-102.	1.3	12
9	The rice cold-responsive calcium-dependent protein kinase OsCPK17 is regulated by alternative splicing and post-translational modifications. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 2018, 1865, 231-246.	1.9	38
10	Insights into the Structures of Superoxide Reductases from the Symbionts <i>Ignicoccus hospitalis</i> and <i>Nanoarchaeum equitans</i> . <i>Biochemistry</i> , 2018, 57, 5271-5281.	1.2	5
11	SAXS Structural Studies of Dps from <i>Deinococcus radiodurans</i> Highlights the Conformation of the Mobile N-Terminal Extensions. <i>Journal of Molecular Biology</i> , 2017, 429, 667-687.	2.0	13
12	<i>Desulfovibrio vulgaris</i> CbiK P cobaltochelatase: evolution of a haem binding protein orchestrated by the incorporation of two histidine residues. <i>Environmental Microbiology</i> , 2017, 19, 106-118.	1.8	9
13	Structure of <i>Escherichia coli</i> Flavodiiron Nitric Oxide Reductase. <i>Journal of Molecular Biology</i> , 2016, 428, 4686-4707.	2.0	30
14	The dual function of flavodiiron proteins: oxygen and/or nitric oxide reductases. <i>Journal of Biological Inorganic Chemistry</i> , 2016, 21, 39-52.	1.1	55
15	Activity of antioxidant enzymes in response to atmospheric pressure induced physiological stress in deep-sea hydrothermal vent mussel <i>Bathymodiolus azoricus</i> . <i>Marine Environmental Research</i> , 2016, 114, 65-73.	1.1	14
16	Superoxide reductase from <i>Giardia intestinalis</i> : structural characterization of the first SOR from a eukaryotic organism shows an iron centre that is highly sensitive to photoreduction. <i>Acta Crystallographica Section D: Biological Crystallography</i> , 2015, 71, 2236-2247.	2.5	6
17	Dps from <i>Deinococcus radiodurans</i> : oligomeric forms of Dps1 with distinct cellular functions and Dps2 involved in metal storage. <i>FEBS Journal</i> , 2015, 282, 4307-4327.	2.2	30
18	Superoxide reduction by a superoxide reductase lacking the highly conserved lysine residue. <i>Journal of Biological Inorganic Chemistry</i> , 2015, 20, 155-164.	1.1	6

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19	Structure of the monofunctional heme catalase <sc>DR</sc>1998 from <i>Deinococcus radiodurans</i>. FEBS Journal, 2014, 281, 4138-4150.	2.2	16
20	Purification, crystallization and phase determination of the DR1998 haem <i>b</i> catalase from <i>Deinococcus radiodurans</i>. Acta Crystallographica Section F, Structural Biology Communications, 2014, 70, 659-662.	0.4	1
21	Expression, purification and crystallization of MnSOD from <i>Arabidopsis thaliana</i> . Acta Crystallographica Section F, Structural Biology Communications, 2014, 70, 669-672.	0.4	4
22	Flavodiiron Oxygen Reductase from <i>Entamoeba histolytica</i> . Journal of Biological Chemistry, 2014, 289, 28260-28270.	1.6	22
23	Characterisation of <i>Desulfovibrio vulgaris</i> haem b synthase, a radical SAM family member. Biochimica Et Biophysica Acta - Proteins and Proteomics, 2014, 1844, 1238-1247.	1.1	23
24	Reductive activation and structural rearrangement in superoxide reductase: a combined infrared spectroscopic and computational study. Physical Chemistry Chemical Physics, 2014, 16, 14220-14230.	1.3	10
25	Thermofluor-based optimization strategy for the stabilization and crystallization of <i>Campylobacter jejuni</i> desulforubrythrin. Protein Expression and Purification, 2012, 81, 193-200.	0.6	15
26	Desulforubrythrin from <i>Campylobacter jejuni</i> , a novel multidomain protein. Journal of Biological Inorganic Chemistry, 2011, 16, 501-510.	1.1	15
27	Superoxide reductase from <i>Nanoarchaeum equitans</i>: expression, purification, crystallization and preliminary X-ray crystallographic analysis. Acta Crystallographica Section F: Structural Biology Communications, 2011, 67, 591-595.	0.7	3
28	Evolution in a family of chelatascs facilitated by the introduction of active site asymmetry and protein oligomerization. Proceedings of the National Academy of Sciences of the United States of America, 2011, 108, 97-102.	3.3	43
29	Purification, crystallization and X-ray crystallographic analysis of <i>Archaeoglobus fulgidus</i> neelaredoxin. Acta Crystallographica Section F: Structural Biology Communications, 2010, 66, 316-319.	0.7	2
30	Cloning, purification, crystallization and X-ray crystallographic analysis of <i>Ignicoccus hospitalis</i> neelaredoxin. Acta Crystallographica Section F: Structural Biology Communications, 2010, 66, 605-607.	0.7	7
31	Comparative Fe and Zn K-edge X-ray absorption spectroscopic study of the ferroxidase centres of human H-chain ferritin and bacterioferritin from <i>Desulfovibrio desulfuricans</i> . Journal of Biological Inorganic Chemistry, 2009, 14, 35-49.	1.1	9
32	Two Distinct Roles for Two Functional Cobaltochelatascs (CbiK) in <i>Desulfovibrio vulgaris</i> Hildenborough. Biochemistry, 2008, 47, 5851-5857.	1.2	23
33	The Crystal Structure of the Dps2 from <i>Deinococcus radiodurans</i> Reveals an Unusual Pore Profile with a Non-specific Metal Binding Site. Journal of Molecular Biology, 2007, 371, 787-799.	2.0	44
34	Expression, purification, crystallization and preliminary diffraction data characterization of <i>Escherichia coli</i> ribonuclease II (RNase II). Acta Crystallographica Section F: Structural Biology Communications, 2006, 62, 684-687.	0.7	10
35	The crystal structure of <i>Deinococcus radiodurans</i> Dps protein (DR2263) reveals the presence of a novel metal centre in the N terminus. Journal of Biological Inorganic Chemistry, 2006, 11, 891-902.	1.1	51
36	The Role of the Hybrid Cluster Protein in Oxidative Stress Defense. Journal of Biological Chemistry, 2006, 281, 32445-32450.	1.6	97

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37	The nature of the di-iron site in the bacterioferritin from <i>Desulfovibrio desulfuricans</i> . <i>Nature Structural and Molecular Biology</i> , 2003, 10, 285-290.	3.6	106
38	Reduced hybrid cluster proteins (HCP) from <i>Desulfovibrio desulfuricans</i> ATCC 27774 and <i>Desulfovibrio vulgaris</i> (Hildenborough): X-ray structures at high resolution using synchrotron radiation. <i>Journal of Biological Inorganic Chemistry</i> , 2003, 8, 540-548.	1.1	41
39	Hybrid cluster proteins (HCPs) from <i>Desulfovibrio desulfuricans</i> ATCC 27774 and <i>Desulfovibrio vulgaris</i> (Hildenborough): X-ray structures at 1.25Å... resolution using synchrotron radiation. <i>Journal of Biological Inorganic Chemistry</i> , 2002, 7, 514-525.	1.1	32
40	The genetic organization of <i>Desulfovibrio desulphuricans</i> ATCC 27774 bacterioferritin and rubredoxin-2 genes: involvement of rubredoxin in iron metabolism. <i>Molecular Microbiology</i> , 2001, 41, 217-227.	1.2	24
41	Iron-coproporphyrin III is a natural cofactor in bacterioferritin from the anaerobic bacterium <i>Desulfovibrio desulfuricans</i> . <i>FEBS Letters</i> , 2000, 480, 213-216.	1.3	35
42	A Bacterioferritin from the Strict Anaerobe <i>Desulfovibrio desulfuricans</i> ATCC 27774. <i>Biochemistry</i> , 2000, 39, 6841-6849.	1.2	30
43	The superoxide dismutase activity of desulfoferrodoxin from <i>Desulfovibrio desulfuricans</i> ATCC 27774. <i>FEBS Journal</i> , 1999, 261, 438-443.	0.2	54
44	Electron transfer between hydrogenases and mono- and multiheme cytochromes in <i>Desulfovibrio</i> ssp. <i>Journal of Biological Inorganic Chemistry</i> , 1998, 3, 494-498.	1.1	83
45	Characterization of the [NiFe] Hydrogenase from the Sulfate Reducer <i>Desulfovibrio vulgaris</i> Hildenborough. <i>Biochemical and Biophysical Research Communications</i> , 1997, 240, 75-79.	1.0	23