

# Carlos Marcuello AnglÃ©s

## List of Publications by Year in descending order

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Version: 2024-02-01

20  
papers

421  
citations

567281

15  
h-index

752698

20  
g-index

21  
all docs

21  
docs citations

21  
times ranked

390  
citing authors

#	ARTICLE	IF	CITATIONS
1	Structural Insights into the Coenzyme Mediated Monomer→Dimer Transition of the Pro-Apoptotic Apoptosis Inducing Factor. <i>Biochemistry</i> , 2014, 53, 4204-4215.	2.5	52
2	An efficient method for enzyme immobilization evidenced by atomic force microscopy. <i>Protein Engineering, Design and Selection</i> , 2012, 25, 715-723.	2.1	27
3	Atomic force microscopy reveals how relative humidity impacts the Young's modulus of lignocellulosic polymers and their adhesion with cellulose nanocrystals at the nanoscale. <i>International Journal of Biological Macromolecules</i> , 2020, 147, 1064-1075.	7.5	27
4	Langmuir-Blodgett Procedure to Precisely Control the Coverage of Functionalized AFM Cantilevers for SMFS Measurements: Application with Cellulose Nanocrystals. <i>Langmuir</i> , 2018, 34, 9376-9386.	3.5	26
5	Key Residues Regulating the Reductase Activity of the Human Mitochondrial Apoptosis Inducing Factor. <i>Biochemistry</i> , 2015, 54, 5175-5184.	2.5	25
6	Detection of a quaternary organization into dimer of trimers of <i>Corynebacterium ammoniagenes</i> FAD synthetase at the single-molecule level and at the in cell level. <i>Biochimica Et Biophysica Acta - Proteins and Proteomics</i> , 2013, 1834, 665-676.	2.3	24
7	Microcystin-LR Binds Iron, and Iron Promotes Self-Assembly. <i>Environmental Science &amp; Technology</i> , 2017, 51, 4841-4850.	10.0	24
8	Molecular Recognition of Proteins through Quantitative Force Maps at Single Molecule Level. <i>Biomolecules</i> , 2022, 12, 594.	4.0	23
9	Atomic Force Microscopy to Elicit Conformational Transitions of Ferredoxin-Dependent Flavin Thioredoxin Reductases. <i>Antioxidants</i> , 2021, 10, 1437.	5.1	22
10	Magnetotactic Bacteria: Magnetism Beyond Magnetosomes. <i>IEEE Transactions on Nanobioscience</i> , 2018, 17, 555-559.	3.3	20
11	Tuning the functional properties of lignocellulosic films by controlling the molecular and supramolecular structure of lignin. <i>International Journal of Biological Macromolecules</i> , 2021, 181, 136-149.	7.5	20
12	The FAD synthetase from the human pathogen <i>Streptococcus pneumoniae</i> : a bifunctional enzyme exhibiting activity-dependent redox requirements. <i>Scientific Reports</i> , 2017, 7, 7609.	3.3	19
13	Dual Antioxidant Properties and Organic Radical Stabilization in Cellulose Nanocomposite Films Functionalized by In Situ Polymerization of Coniferyl Alcohol. <i>Biomacromolecules</i> , 2020, 21, 3163-3175.	5.4	19
14	Influence of the polarity of the matrix on the breakage mechanisms of lignocellulosic fibers during twin-screw extrusion. <i>Polymer Composites</i> , 2020, 41, 1106-1117.	4.6	18
15	Nanomechanical Study of Enzyme: Coenzyme Complexes: Bipartite Sites in Plastidic Ferredoxin-NADP+ Reductase for the Interaction with NADP+. <i>Antioxidants</i> , 2022, 11, 537.	5.1	18
16	NS3 Protease from Hepatitis C Virus: Biophysical Studies on an Intrinsically Disordered Protein Domain. <i>International Journal of Molecular Sciences</i> , 2013, 14, 13282-13306.	4.1	16
17	Mechanostability of the Single-Electron-Transfer Complexes of <i>Anabaena</i> Ferredoxin-NADP+ Reductase. <i>ChemPhysChem</i> , 2015, 16, 3161-3169.	2.1	15
18	Sequential binding of FurA from <i>Anabaena</i> sp. PCC 7120 to iron boxes: Exploring regulation at the nanoscale. <i>Biochimica Et Biophysica Acta - Proteins and Proteomics</i> , 2014, 1844, 623-631.	2.3	14

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19	A physical picture for mechanical dissociation of biological complexes: from forces to free energies. Physical Chemistry Chemical Physics, 2017, 19, 4567-4575.	2.8	10
20	10th EBSA European Biophysics Congress. European Biophysics Journal, 2015, 44, 1-2.	2.2	0