

# Damian Alvarez-Paggi

## List of Publications by Year in descending order

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Version: 2024-02-01

30  
papers

1,569  
citations

623734

14  
h-index

395702

33  
g-index

35  
all docs

35  
docs citations

35  
times ranked

3472  
citing authors

#	ARTICLE	IF	CITATIONS
1	Early High-Titer Plasma Therapy to Prevent Severe Covid-19 in Older Adults. <i>New England Journal of Medicine</i> , 2021, 384, 610-618.	27.0	748
2	Multifunctional Cytochrome <i>c</i> : Learning New Tricks from an Old Dog. <i>Chemical Reviews</i> , 2017, 117, 13382-13460.	47.7	189
3	Alternative Conformations of Cytochrome <i>c</i> : Structure, Function, and Detection. <i>Biochemistry</i> , 2016, 55, 407-428.	2.5	110
4	Molecular Basis for the Electric Field Modulation of Cytochrome <i>c</i> Structure and Function. <i>Journal of the American Chemical Society</i> , 2009, 131, 16248-16256.	13.7	66
5	Molecular Basis of Coupled Protein and Electron Transfer Dynamics of Cytochrome <i>c</i> in Biomimetic Complexes. <i>Journal of the American Chemical Society</i> , 2010, 132, 5769-5778.	13.7	64
6	Electrostatically Driven Second-Sphere Ligand Switch between High and Low Reorganization Energy Forms of Native Cytochrome <i>c</i> . <i>Journal of the American Chemical Society</i> , 2013, 135, 4389-4397.	13.7	39
7	Thermal Fluctuations Determine the Electron Transfer Rates of Cytochrome <i>c</i> in Electrostatic and Covalent Complexes. <i>ChemPhysChem</i> , 2010, 11, 1225-1235.	2.1	36
8	Computer simulation and SERR detection of cytochrome <i>c</i> dynamics at SAM-coated electrodes. <i>Electrochimica Acta</i> , 2009, 54, 4963-4970.	5.2	32
9	Alternative ground states enable pathway switching in biological electron transfer. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012, 109, 17348-17353.	7.1	31
10	Disentangling Electron Tunneling and Protein Dynamics of Cytochrome <i>c</i> through a Rationally Designed Surface Mutation. <i>Journal of Physical Chemistry B</i> , 2013, 117, 6061-6068.	2.6	26
11	The role of protein dynamics and thermal fluctuations in regulating cytochrome <i>c</i> /cytochrome <i>c</i> oxidase electron transfer. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 2014, 1837, 1196-1207.	1.0	22
12	Coupling of tyrosine deprotonation and axial ligand exchange in nitrocytochrome <i>c</i> . <i>Chemical Communications</i> , 2014, 50, 2592-2594.	4.1	21
13	Native CuA redox sites are largely resilient to pH variations within a physiological range. <i>Chemical Communications</i> , 2013, 49, 5381.	4.1	18
14	Control of the Electronic Ground State on an Electron Transfer Copper Site by Second-Sphere Perturbations. <i>Angewandte Chemie - International Edition</i> , 2014, 53, 6188-6192.	13.8	18
15	Mounting evidence for immunizing previously infected subjects with a single dose of SARS-CoV-2 vaccine. <i>Journal of Clinical Investigation</i> , 2021, 131, .	8.2	16
16	Tuning of Enthalpic/Entropic Parameters of a Protein Redox Center through Manipulation of the Electronic Partition Function. <i>Journal of the American Chemical Society</i> , 2017, 139, 9803-9806.	13.7	15
17	Community Mortality Due to Respiratory Syncytial Virus in Argentina: Population-based Surveillance Study. <i>Clinical Infectious Diseases</i> , 2021, 73, S210-S217.	5.8	15
18	The alkaline transition of cytochrome <i>c</i> revisited: Effects of electrostatic interactions and tyrosine nitration on the reaction dynamics. <i>Archives of Biochemistry and Biophysics</i> , 2019, 665, 96-106.	3.0	12

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19	Reversible Switching of Redox-Active Molecular Orbitals and Electron Transfer Pathways in Cu <sup>A</sup> Sites of Cytochrome <i>c</i> Oxidase. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 9555-9559.	13.8	11
20	Toward Personalized Medicine in Bronchiolitis. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2019, 199, 1456-1458.	5.6	11
21	Manganese porphyrin redox state in endothelial cells: Resonance Raman studies and implications for antioxidant protection towards peroxynitrite. <i>Free Radical Biology and Medicine</i> , 2018, 126, 379-392.	2.9	10
22	Fatal enhanced respiratory syncytial virus disease in toddlers. <i>Science Translational Medicine</i> , 2021, 13, eabj7843.	12.4	10
23	Engineering a bifunctional copper site in the cupredoxin fold by loop-directed mutagenesis. <i>Chemical Science</i> , 2018, 9, 6692-6702.	7.4	8
24	Identifying pathophysiological bases of disease in COVID-19. <i>Translational Medicine Communications</i> , 2020, 5, 15.	1.4	8
25	A conformational switch balances viral RNA accessibility and protection in a nucleocapsid ring model. <i>Archives of Biochemistry and Biophysics</i> , 2019, 671, 77-86.	3.0	7
26	Topology Dictates Evolution of Regulatory Cysteines in a Family of Viral Oncoproteins. <i>Molecular Biology and Evolution</i> , 2019, 36, 1521-1532.	8.9	6
27	The discovery BPD (D-BPD) program: study protocol of a prospective translational multicenter collaborative study to investigate determinants of chronic lung disease in very low birth weight infants. <i>BMC Pediatrics</i> , 2019, 19, 227.	1.7	5
28	Mechanism of Tetramer Dissociation, Unfolding, and Oligomer Assembly of <i>Pneumovirus</i> M2-1 Transcription Antiterminators. <i>ACS Omega</i> , 2018, 3, 14732-14745.	3.5	4
29	Conformational Isomerization Involving Conserved Proline Residues Modulates Oligomerization of the NS1 Interferon Response Inhibitor from the Syncytial Respiratory Virus. <i>Biochemistry</i> , 2019, 58, 2883-2892.	2.5	2
30	pH-Induced Binding of the Axial Ligand in an Engineered Cu <sup>A</sup> Site Favors the $\text{Cu}^{\text{u}}$ State. <i>Inorganic Chemistry</i> , 2019, 58, 15687-15691.	4.0	0