

# Iseli Lourenço Nantes-Cardoso

## List of Publications by Year in descending order

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107  
papers

1,946  
citations

257450

24  
h-index

315739

38  
g-index

119  
all docs

119  
docs citations

119  
times ranked

2451  
citing authors

#	ARTICLE	IF	CITATIONS
1	Virucidal, photocatalytic and chiromagnetic cobalt oxide quantum dots. <i>Applied Surface Science</i> , 2022, 576, 151847.	6.1	8
2	Photodegradation of Ciprofloxacin-Zinc Complexes Produced at the Interface of ZnO and Cu-Doped ZnO Crystals. <i>Materials Research</i> , 2021, 24, .	1.3	2
3	TECNOLOGIA E CULTURA NO ENSINO DE QUÃMICA: UM ENFOQUE MULTIDISCIPLINAR SOBRE O USO DE VÃDEOS EM SALA DE AULA / TECHNOLOGY AND CULTURE IN CHEMISTRY TEACHING: A MULTIDISCIPLINARY FOCUS ON THE USE OF VIDEO IN THE CLASSROOM. <i>Brazilian Journal of Development</i> , 2021, 7, 12454-12474.	0.1	1
4	Antioxidant cytochrome c-like activity of para-Mn(III)TMPyP. <i>Biochimie</i> , 2021, 184, 116-124.	2.6	1
5	Bactericidal activity of cotton fabrics functionalized by ZnO and Cu via microwave. <i>Cellulose</i> , 2021, 28, 8153-8175.	4.9	18
6	Bacterial Photoinactivation Using PLGA Electrospun Scaffolds. <i>ACS Applied Materials &amp; Interfaces</i> , 2021, 13, 31406-31417.	8.0	7
7	Collagenase Activity of Bromelain Immobilized at Gold Nanoparticle Interfaces for Therapeutic Applications. <i>Pharmaceutics</i> , 2021, 13, 1143.	4.5	10
8	Disclosing the hidden presence of Ti <sup>3+</sup> ions in different TiO <sub>2</sub> crystal structures synthesized at low temperature and photocatalytic evaluation by methylene blue photobleaching. <i>Journal of Materials Research</i> , 2021, 36, 3353-3365.	2.6	6
9	Synthesis of bioluminescent gold nanoparticleâ€“luciferase hybrid systems for technological applications. <i>Photochemical and Photobiological Sciences</i> , 2021, 20, 1439-1453.	2.9	6
10	Nanostructured Hematite Decorated with Gold Nanoparticles for Functionalization and Biocompatibility. <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2020, 217, 1900589.	1.8	6
11	Effect of the protein structure and heme iron coordination sphere on the long-range electron transfer from hematite and zinc oxide nanostructures to cytochrome c. <i>International Journal of Nanotechnology</i> , 2020, 17, 42.	0.2	4
12	Oxidative/Nitrative Mechanism of Molsidomine Mitotoxicity Assayed by the Cytochrome c Reaction with SIN-1 in Models of Biological Membranes. <i>Chemical Research in Toxicology</i> , 2020, 33, 2775-2784.	3.3	8
13	Nanostructured Hematite Decorated with Gold Nanoparticles for Functionalization and Biocompatibility. <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2020, 217, 2070021.	1.8	3
14	Charge separation of photosensitized phenothiazines for applications in catalysis and nanotechnology. <i>Dyes and Pigments</i> , 2020, 177, 108314.	3.7	11
15	Increased Stability of Oligopeptidases Immobilized on Gold Nanoparticles. <i>Catalysts</i> , 2020, 10, 78.	3.5	5
16	Cardiolipin Structure and Oxidation Are Affected by Ca <sup>2+</sup> at the Interface of Lipid Bilayers. <i>Frontiers in Chemistry</i> , 2020, 7, 930.	3.6	9
17	Promising Nanostructured Materials against Enveloped Virus. <i>Anais Da Academia Brasileira De Ciencias</i> , 2020, 92, e20200718.	0.8	16
18	Magnetoliposomes as model for signal transmission. <i>Royal Society Open Science</i> , 2019, 6, 181108.	2.4	10

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19	Photo-induced Electron Transfer from Hematite and Zinc Oxide Nanostructures to Cytochrome C: Systems Applicable to Spintronics. , 2019, , .		2
20	Ultrafast fabrication of thermally stable protein-coated silver iodide nanoparticles for solid-state superionic conductors. Colloids and Surfaces B: Biointerfaces, 2019, 176, 47-54.	5.0	5
21	Proteins and Peptides at the Interfaces of Nanostructures. Anais Da Academia Brasileira De Ciencias, 2019, 91, e20181236.	0.8	7
22	Duplo Benefício Ambiental pela Remoção de Corantes Fotosensibilizadores da Água com Uso de Resíduo Sólido Particulado. Revista Materia, 2019, 24, .	0.2	0
23	Fast One-Pot Photosynthesis of Plasmonic Protein-Coated Silver/Silver Bromide Nanoparticles with Efficient Photocatalytic Performance. Journal of Inorganic and Organometallic Polymers and Materials, 2018, 28, 2056-2062.	3.7	6
24	Silk fibroin hydrogels for potential applications in photodynamic therapy. Biopolymers, 2018, 110, e23245.	2.4	16
25	Rapid Synthesis via Green Route of Plasmonic Protein-Coated Silver/Silver Chloride Nanoparticles with Controlled Contents of Metallic Silver and Application for Dye Remediation. Journal of Inorganic and Organometallic Polymers and Materials, 2018, 28, 2812-2818.	3.7	7
26	Natural Persulfate Activation for Anthracene Remediation in Tropical Environments. Water, Air, and Soil Pollution, 2017, 228, 1.	2.4	21
27	Photobiosynthesis of stable and functional silver/silver chloride nanoparticles with hydrolytic activity using hyperthermophilic $\beta$ -glucosidases with industrial potential. International Journal of Biological Macromolecules, 2017, 102, 84-91.	7.5	16
28	Redox modulation of thimet oligopeptidase activity by hydrogen peroxide. FEBS Open Bio, 2017, 7, 1037-1050.	2.3	11
29	Dye photodegradation employing mesoporous organosilicas functionalized with 1,8-naphthalimides as heterogeneous catalysts. Journal of Photochemistry and Photobiology A: Chemistry, 2017, 332, 316-325.	3.9	7
30	Structure and Catalysis of Fe(III) and Cu(II) Microperoxidase-11 Interacting with the Positively Charged Interfaces of Lipids. Molecules, 2017, 22, 1212.	3.8	3
31	Nano-Sized Silver Colloids Produced and Stabilized by Amino-Functionalized Polymers: Polymer Structure-Nanoparticle Features and Polymer StructureGrowth Kinetics Relationships. Journal of the Brazilian Chemical Society, 2016, , .	0.6	3
32	Effects of Gold Salt Speciation and Structure of Human and Bovine Serum Albumins on the Synthesis and Stability of Gold Nanostructures. Frontiers in Chemistry, 2016, 4, 13.	3.6	22
33	pH-Dependent Synthesis of Anisotropic Gold Nanostructures by Bioinspired Cysteine-Containing Peptides. ACS Omega, 2016, 1, 424-434.	3.5	25
34	Binding of phenothiazines into allosteric hydrophobic pocket of human thioredoxin 1. European Biophysics Journal, 2016, 45, 279-286.	2.2	3
35	Nanostructures for peroxidases. Frontiers in Molecular Biosciences, 2015, 2, 50.	3.5	26
36	Thiosemicarbazone-Substituted Acetophenone Derivatives Promote the Loss of Mitochondrial $\gamma$ -Glutamyl Cysteine Synthetase, GSH Depletion, and Death in K562 Cells. Oxidative Medicine and Cellular Longevity, 2015, 2015, 1-15.	4.0	10

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37	Cytotoxicity of phenothiazine derivatives associated with mitochondrial dysfunction: A structure-activity investigation. <i>Toxicology</i> , 2015, 330, 44-54.	4.2	46
38	Effects of Trichlorotelluro-dynones on Mitochondrial Bioenergetics and Their Relationship to the Reactivity with Protein Thiols. <i>Chemical Research in Toxicology</i> , 2015, 28, 1167-1175.	3.3	5
39	Cytochrome <i>c</i> Reacts with Cholesterol Hydroperoxides To Produce Lipid- and Protein-Derived Radicals. <i>Biochemistry</i> , 2015, 54, 2841-2850.	2.5	13
40	Biological Oxidative Mechanisms for Degradation of Poly(lactic acid) Blended with Thermoplastic Starch. <i>ACS Sustainable Chemistry and Engineering</i> , 2015, 3, 2756-2766.	6.7	50
41	Intermediate Tyrosyl Radical and Amyloid Structure in Peroxide-Activated Cytochrome <i>c</i> . <i>PLoS ONE</i> , 2015, 10, e0136554.	2.5	9
42	Not Only Oxidation of Cardiolipin Affects the Affinity of Cytochrome <i>c</i> for Lipid Bilayers. <i>Journal of Physical Chemistry B</i> , 2014, 118, 11863-11872.	2.6	25
43	Inhibition of cytoplasmic p53 differentially modulates Ca <sup>2+</sup> signaling and cellular viability in young and aged striata. <i>Experimental Gerontology</i> , 2014, 58, 120-127.	2.8	6
44	Photodamage in a Mitochondrial Membrane Model Modulated by the Topology of Cationic and Anionic <i>Meso</i> -Tetrakis Porphyrin Free Bases. <i>Photochemistry and Photobiology</i> , 2014, 90, 596-608.	2.5	9
45	Effects of transmembrane potential and pH gradient on the cytochrome <i>c</i> -promoted fusion of mitochondrial mimetic membranes. <i>Journal of Bioenergetics and Biomembranes</i> , 2013, 45, 421-430.	2.3	10
46	Covalent Binding and Anchoring of Cytochrome <i>c</i> to Mitochondrial Mimetic Membranes Promoted by Cholesterol Carboxyaldehyde. <i>Chemical Research in Toxicology</i> , 2013, 26, 1536-1544.	3.3	11
47	Ferricytochrome <i>c</i> Directly Oxidizes Aminoacetone to Methylglyoxal, a Catabolite Accumulated in Carbonyl Stress. <i>PLoS ONE</i> , 2013, 8, e57790.	2.5	15
48	UV-Light Effects on Cytochrome C Modulated by the Aggregation State of Phenothiazines. <i>PLoS ONE</i> , 2013, 8, e76857.	2.5	7
49	Recycling of the High Valence States of Heme Proteins by Cysteine Residues of Thimet-Oligopeptidase. <i>PLoS ONE</i> , 2013, 8, e79102.	2.5	5
50	Highly Stable Magnetite Modified with Chitosan, Ferrocene and Enzyme for Application in Magneto-Switchable Bioelectrocatalysis. <i>Journal of the Brazilian Chemical Society</i> , 2013, 24, 285-294.	0.6	20
51	<i>Baccharis dracunculifolia</i> , the main source of green propolis, exhibits potent antioxidant activity and prevents oxidative mitochondrial damage. <i>Food and Chemical Toxicology</i> , 2012, 50, 1091-1097.	3.6	78
52	Photo-induced electron transfer in supramolecular materials of titania nanostructures and cytochrome <i>c</i> . <i>RSC Advances</i> , 2012, 2, 7417.	3.6	11
53	Cytochrome <i>c</i> -promoted cardiolipin oxidation generates singlet molecular oxygen. <i>Photochemical and Photobiological Sciences</i> , 2012, 11, 1536-1546.	2.9	32
54	Structure and peroxidase activity of ferric <i>Streptomyces clavuligerus</i> orf10-encoded protein P450CLA: UV-visible, CD, MCD and EPR spectroscopic characterization. <i>Journal of the Brazilian Chemical Society</i> , 2012, 23, 913-920.	0.6	4

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55	Molecular interactions and structure of a supramolecular arrangement of glucose oxidase and palladium nanoparticles. <i>Physical Chemistry Chemical Physics</i> , 2011, 13, 12155.	2.8	17
56	Specific effects of reactive thiol drugs on mitochondrial bioenergetics. <i>Journal of Bioenergetics and Biomembranes</i> , 2011, 43, 11-18.	2.3	14
57	Towards the mechanisms involved in the antioxidant action of MnIII [meso-tetrakis(4-N-methyl) Tj ETQq1 1 0.784314 rgBT /Overlock	2.3	14
58	Interaction of Fe <sup>3+</sup> -meso-tetrakis (2,6-dichloro-3-sulfonatophenyl) porphyrin with cationic bilayers: magnetic switching of the porphyrin and magnetic induction at the interface. <i>Theoretical Chemistry Accounts</i> , 2011, 130, 829-837.	1.4	5
59	Cytochrome c modifications promoted by cholesterol hydroperoxides and aldehydes. <i>Chemistry and Physics of Lipids</i> , 2011, 164, S44.	3.2	0
60	On the mechanisms of phenothiazine-induced mitochondrial permeability transition: Thiol oxidation, strict Ca <sup>2+</sup> dependence, and cyt c release. <i>Biochemical Pharmacology</i> , 2010, 80, 1284-1295.	4.4	34
61	Oxidative Damage to Cytochrome c Induced by Aminoacetone. <i>Free Radical Biology and Medicine</i> , 2010, 49, S171.	2.9	1
62	The Nanoparticle Photogenerated by Association of Phenothiazine Nucleus to Poly(ethylene glycol) Protects Photodamage in Mitochondrial Membrane Unsaturated Lipids. <i>Free Radical Biology and Medicine</i> , 2010, 49, S180.	2.9	1
63	Characterization of hydrophobic interaction and antioxidant properties of the phenothiazine nucleus in mitochondrial and model membranes. <i>Free Radical Research</i> , 2010, 44, 1054-1063.	3.3	16
64	Study of Respiratory Cytochromes in Liposomes. <i>Methods in Molecular Biology</i> , 2010, 606, 147-165.	0.9	7
65	Superoxide radical protects liposome-contained cytochrome c against oxidative damage promoted by peroxyntirite and free radicals. <i>Free Radical Biology and Medicine</i> , 2009, 47, 841-849.	2.9	12
66	Biological effects of anionic meso-tetrakis (para-sulfonatophenyl) porphyrins modulated by the metal center. Studies in rat liver mitochondria. <i>Chemico-Biological Interactions</i> , 2009, 181, 400-408.	4.0	13
67	A novel tool to facilitate the learning of thermodynamic principles by undergraduate students of the biological area. <i>Biochemistry and Molecular Biology Education</i> , 2009, 37, 271-278.	1.2	2
68	pH-Sensitive Binding of Cytochrome c to the Inner Mitochondrial Membrane. Implications for the Participation of the Protein in Cell Respiration and Apoptosis. <i>Biochemistry</i> , 2009, 48, 8335-8342.	2.5	28
69	Palladacycles catalyse the oxidation of critical thiols of the mitochondrial membrane proteins and lead to mitochondrial permeabilization and cytochrome c release associated with apoptosis. <i>Biochemical Journal</i> , 2009, 417, 247-256.	3.7	35
70	A novel tool to facilitate the learning of buffering mechanism by undergraduate students of the biological area. <i>Biochemistry and Molecular Biology Education</i> , 2008, 36, 189-195.	1.2	1
71	Spectroscopic, Structural, and Functional Characterization of the Alternative Low-Spin State of Horse Heart Cytochrome c. <i>Biophysical Journal</i> , 2008, 94, 4066-4077.	0.5	44
72	Incorporation of Respiratory Cytochromes in Liposomes: An Efficient Strategy to Study the Respiratory Chain. <i>Journal of Liposome Research</i> , 2008, 18, 175-194.	3.3	3

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73	Protective Role of Mitochondrial Unsaturated Lipids on the Preservation of the Apoptotic Ability of Cytochrome c Exposed to Singlet Oxygen. <i>Journal of Biological Chemistry</i> , 2007, 282, 25577-25587.	3.4	35
74	Peroxidase Catalytic Cycle of MCM-41-Entrapped Microperoxidase-11 as a Mechanism for Phenol Oxidation. <i>Journal of Nanoscience and Nanotechnology</i> , 2007, 7, 3643-3652.	0.9	15
75	Organotellurane-Promoted Mitochondrial Permeability Transition Concomitant with Membrane Lipid Protection against Oxidation. <i>Chemical Research in Toxicology</i> , 2007, 20, 1453-1461.	3.3	30
76	Light-Driven Horseradish Peroxidase Cycle by Using Photo-activated Methylene Blue as the Reducing Agent. <i>Photochemistry and Photobiology</i> , 2007, 83, 1254-1262.	2.5	12
77	Reaction route control by microperoxidase-9/CTAB micelle ratios. <i>Physical Chemistry Chemical Physics</i> , 2006, 8, 1963.	2.8	9
78	Photochemically Generated Stable Cation Radical of Phenothiazine Aggregates in Mildly Acid Buffered Solutions. <i>Journal of Physical Chemistry B</i> , 2006, 110, 12257-12265.	2.6	35
79	Stable Photoinduced Charge Separation in Nanostructured Films Containing a 1,4,5,8-Naphthalenetetracarboxylic Diimide and Cytochrome c. <i>Journal of Nanoscience and Nanotechnology</i> , 2006, 6, 2338-2343.	0.9	1
80	Low spin states of microperoxidases produced by inter- and intra-peptide chain sixth ligands: Effect of pH and the oligopeptide type. <i>Journal of Inorganic Biochemistry</i> , 2006, 100, 226-238.	3.5	12
81	Photoinduced electron transfer between cytochrome c and a novel 1,4,5,8-naphthalenetetracarboxylic diimide with amphiphilic character. <i>Journal of Photochemistry and Photobiology B: Biology</i> , 2005, 79, 1-9.	3.8	9
82	pH-dependent Interaction of Cytochrome c with Mitochondrial Mimetic Membranes. <i>Journal of Biological Chemistry</i> , 2005, 280, 34709-34717.	3.4	102
83	Cathepsin X binds to cell surface heparan sulfate proteoglycans. <i>Archives of Biochemistry and Biophysics</i> , 2005, 436, 323-332.	3.0	52
84	Protonation of two adjacent tyrosine residues influences the reduction of cytochrome c by diphenylacetaldehyde: a possible mechanism to select the reducer agent of heme iron. <i>Free Radical Biology and Medicine</i> , 2004, 36, 802-810.	2.9	12
85	Microperoxidase-8 Associated to CTAB Micelles: A New Catalyst with Peroxidase Activity. <i>Journal of Physical Chemistry B</i> , 2004, 108, 11124-11132.	2.6	8
86	Photoinduced electron transfer in silica-supported self-assembled thin films containing a 1,4,5,8-naphthalenetetracarboxylic diimide and cytochrome c. <i>Journal of Materials Chemistry</i> , 2004, 14, 54.	6.7	12
87	Changes in the Spin State and Reactivity of Cytochrome c Induced by Photochemically Generated Singlet Oxygen and Free Radicals. <i>Journal of Biological Chemistry</i> , 2004, 279, 39214-39222.	3.4	59
88	Microperoxidase-9 cycle in the presence of cetyltrimethylammonium bromide micelles: tert-butyl hydroperoxide as both an oxidizing and a reducing agent. , 2004, , 193-198.		0
89	Photochemical Reduction of Cytochrome c by a 1,4,5,8-Naphthalenediimide Radical Anion. <i>Photochemistry and Photobiology</i> , 2004, 80, 518.	2.5	4
90	Nucleotide conformational change induced by cationic bilayers. <i>Archives of Biochemistry and Biophysics</i> , 2003, 416, 25-30.	3.0	13

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91	Modulation of cytochrome c spin states by lipid acyl chains: a continuous-wave electron paramagnetic resonance (CW-EPR) study of haem iron. <i>Biochemical Journal</i> , 2003, 370, 671-678.	3.7	43
92	Interaction of heparin with internally quenched fluorogenic peptides derived from heparin-binding consensus sequences, kallistatin and anti-thrombin III. <i>Biochemical Journal</i> , 2002, 366, 435-446.	3.7	18
93	Mitochondrial permeability transition induced by chemically generated singlet oxygen. <i>Journal of Bioenergetics and Biomembranes</i> , 2002, 34, 157-163.	2.3	16
94	Effect of Heme Iron Valence State on the Conformation of Cytochrome c and Its Association with Membrane Interfaces. <i>Journal of Biological Chemistry</i> , 2001, 276, 153-158.	3.4	95
95	Cathepsin B Activity Regulation. <i>Journal of Biological Chemistry</i> , 2001, 276, 944-951.	3.4	169
96	Modifications in heme iron of free and vesicle bound cytochrome c by tert-butyl hydroperoxide: a magnetic circular dichroism and electron paramagnetic resonance investigation. <i>Free Radical Biology and Medicine</i> , 2000, 28, 786-796.	2.9	31
97	Cysteine Proteinase Activity Regulation. <i>Journal of Biological Chemistry</i> , 1999, 274, 30433-30438.	3.4	51
98	Plant uncoupling mitochondrial protein activity in mitochondria isolated from tomatoes at different stages of ripening. <i>Journal of Bioenergetics and Biomembranes</i> , 1999, 31, 527-533.	2.3	40
99	Diphenylacetaldehyde-generated excited states promote damage to isolated rat liver mitochondrial DNA, phospholipids, and proteins. <i>Free Radical Biology and Medicine</i> , 1999, 27, 744-751.	2.9	14
100	Low temperature and aging-promoted expression of PUMP in potato tuber mitochondria. <i>FEBS Letters</i> , 1999, 457, 103-106.	2.8	55
101	Liposome effect on the cytochrome c-catalyzed peroxidation of carbonyl substrates to triplet species. <i>Free Radical Biology and Medicine</i> , 1998, 25, 546-553.	2.9	32
102	Tris(Bipyridine) Ruthenium(II): An Efficient Detector of Excited Species Generated by Chemiluminescent Processes. <i>Photochemistry and Photobiology</i> , 1996, 63, 697-701.	2.5	6
103	CHEMILUMINESCENT DIPHENYLACETALDEHYDE OXIDATION BY MITOCHONDRIA IS PROMOTED BY CYTOCHROMES and LEADS TO OXIDATIVE INJURY OF THE ORGANELLE. <i>Photochemistry and Photobiology</i> , 1995, 62, 522-527.	2.5	25
104	Technological Applications of Porphyrins and Related Compounds: Spintronics and Micro-/Nanomotors. , 0, , .		4
105	Conversion of ferritin ferrihydrite core to magnetite by gold ions binding and the derived nanoparticle formation. <i>Journal of Nanostructure in Chemistry</i> , 0, , 1.	9.1	1
106	Propriedades Fotofísicas do Azul de Metileno Aplicadas para o Ensino de Espectroscopia UV-Visível como Ferramenta para Análise Qualitativa em Bioquímica. <i>Journal of Biochemistry Education</i> , 0, 15, 21.	0.0	0
107	ESTRATÉGIA EXPERIMENTAL PARA ANÁLISE ESPECTROSCÓPICA DE ESTADOS AGREGADOS DE CORANTES. , 0, , 43-59.		0