

Renato Zamora

List of Publications by Year in descending order

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123
papers

4,121
citations

81839

39
h-index

123376

61
g-index

123
all docs

123
docs citations

123
times ranked

4731
citing authors

#	ARTICLE	IF	CITATIONS
1	The regulatory role of nitric oxide in apoptosis. <i>International Immunopharmacology</i> , 2001, 1, 1421-1441.	1.7	342
2	Understanding the controversy over the identity of EDRF. <i>Nature</i> , 1994, 368, 62-65.	13.7	248
3	Understanding high wintertime ozone pollution events in an oil- and natural gas-producing region of the western US. <i>Atmospheric Chemistry and Physics</i> , 2015, 15, 411-429.	1.9	154
4	Oak seedling survival and growth along resource gradients in Mediterranean forests: implications for regeneration in current and future environmental scenarios. <i>Oikos</i> , 2008, 117, 1683-1699.	1.2	136
5	Inducible nitric oxide synthase and inflammatory diseases. <i>Molecular Medicine</i> , 2000, 6, 347-73.	1.9	124
6	Seed mass effects in four Mediterranean <i>Quercus</i> species (Fagaceae) growing in contrasting light environments. <i>American Journal of Botany</i> , 2007, 94, 1795-1803.	0.8	112
7	Experimental study of pollination by ants in Mediterranean high mountain and arid habitats. <i>Oecologia</i> , 1996, 105, 236-242.	0.9	111
8	Liver Preservation With Machine Perfusion and a Newly Developed Cell-Free Oxygen Carrier Solution Under Subnormothermic Conditions. <i>American Journal of Transplantation</i> , 2015, 15, 381-394.	2.6	111
9	Pollination by ants: consequences of the quantitative effects on a mutualistic system. <i>Oecologia</i> , 1992, 91, 410-418.	0.9	106
10	A review of the combination among global change factors in forests, shrublands and pastures of the Mediterranean Region: Beyond drought effects. <i>Global and Planetary Change</i> , 2017, 148, 42-54.	1.6	103
11	Differential light responses of Mediterranean tree saplings: linking ecophysiology with regeneration niche in four co-occurring species. <i>Tree Physiology</i> , 2006, 26, 947-958.	1.4	102
12	Inverse magnetic catalysis for the chiral transition induced by thermo-magnetic effects on the coupling constant. <i>Physical Review D</i> , 2014, 90, .	1.6	99
13	Inverse magnetic catalysis in the linear sigma model with quarks. <i>Physical Review D</i> , 2015, 91, .	1.6	91
14	Results of transvenous occlusion of secundum atrial septal defects with the fourth generation buttoned device: comparison with first, second and third generation devices. <i>Journal of the American College of Cardiology</i> , 2000, 36, 583-592.	1.2	79
15	Feed-Back Inhibition of Oxidative Stress by Oxidized Lipid/Amino Acid Reaction Products. <i>Biochemistry</i> , 1997, 36, 15765-15771.	1.2	69
16	Influence of Cultivar and Fruit Ripening on Olive (<i>Olea europaea</i>) Fruit Protein Content, Composition, and Antioxidant Activity. <i>Journal of Agricultural and Food Chemistry</i> , 2001, 49, 4267-4270.	2.4	68
17	The Acute Inflammatory Response in Trauma / Hemorrhage and Traumatic Brain Injury: Current State and Emerging Prospects. <i>Libyan Journal of Medicine</i> , 2009, 4, 136-148.	0.8	67
18	Determination of Peptides and Proteins in Fats and Oils. <i>Analytical Chemistry</i> , 2001, 73, 698-702.	3.2	62

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19	Investigation of secondary formation of formic acid: urban environment vs. oil and gas producing region. <i>Atmospheric Chemistry and Physics</i> , 2015, 15, 1975-1993.	1.9	57
20	Post-fire soil respiration in relation to burnt wood management in a Mediterranean mountain ecosystem. <i>Forest Ecology and Management</i> , 2011, 261, 1436-1447.	1.4	56
21	Magnetized effective QCD phase diagram. <i>Physical Review D</i> , 2015, 92, .	1.6	56
22	Varying climate sensitivity at the dry distribution edge of <i>Pinus sylvestris</i> and <i>P. nigra</i> . <i>Forest Ecology and Management</i> , 2013, 308, 50-61.	1.4	54
23	Comparative Antioxidant Effectiveness of Dietary β -Carotene, Vitamin E, Selenium and Coenzyme Q10 in Rat Erythrocytes and Plasma. <i>Journal of Nutrition</i> , 1991, 121, 50-56.	1.3	51
24	Inverse magnetic catalysis from the properties of the QCD coupling in a magnetic field. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2016, 759, 99-103.	1.5	50
25	Modification of Bovine Serum Albumin Structure following Reaction with 4,5(E)-Epoxy-2(E)-heptenal. <i>Chemical Research in Toxicology</i> , 2000, 13, 501-508.	1.7	48
26	Finite temperature quark-gluon vertex with a magnetic field in the hard thermal loop approximation. <i>Physical Review D</i> , 2015, 91, .	1.6	48
27	Thermomagnetic evolution of the QCD strong coupling. <i>Physical Review D</i> , 2018, 98, .	1.6	48
28	A Spectrophotometric Method for the Determination of Proteins Damaged by Oxidized Lipids. <i>Analytical Biochemistry</i> , 1998, 262, 129-136.	1.1	47
29	Post-fire salvage logging reduces carbon sequestration in Mediterranean coniferous forest. <i>Forest Ecology and Management</i> , 2011, 262, 2287-2296.	1.4	47
30	Contribution of Pyrrole Formation and Polymerization to the Nonenzymatic Browning Produced by Amino α -Carbonyl Reactions. <i>Journal of Agricultural and Food Chemistry</i> , 2000, 48, 3152-3158.	2.4	45
31	Nitric Oxide Suppresses the Expression of Bcl-2 Binding Protein BNIP3 in Hepatocytes. <i>Journal of Biological Chemistry</i> , 2001, 276, 46887-46895.	1.6	44
32	Damage to protein synthesis concurrent with lipid peroxidation in rat liver slices: Effect of halogenated compounds, peroxides, and vitamin E. <i>Archives of Biochemistry and Biophysics</i> , 1989, 270, 84-91.	1.4	43
33	Modification of Histidine Residues by 4,5-Epoxy-2-alkenals. <i>Chemical Research in Toxicology</i> , 1999, 12, 654-660.	1.7	43
34	In vitro production of long chain pyrrole fatty esters from carbonyl-amine reactions.. <i>Journal of Lipid Research</i> , 1995, 36, 725-735.	2.0	43
35	Effect of pH and Temperature on Comparative Nonenzymatic Browning of Proteins Produced by Oxidized Lipids and Carbohydrates. <i>Journal of Agricultural and Food Chemistry</i> , 1999, 47, 742-747.	2.4	42
36	Fluorescent pyrrole products from carbonyl-amine reactions. <i>Journal of Biological Chemistry</i> , 1993, 268, 16190-16197.	1.6	41

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37	Effect of pH and Temperature on Comparative Antioxidant Activity of Nonenzymatically Brownd Proteins Produced by Reaction with Oxidized Lipids and Carbohydrates. <i>Journal of Agricultural and Food Chemistry</i> , 1999, 47, 748-752.	2.4	40
38	Limits of pine forest distribution at the treeline: herbivory matters. <i>Plant Ecology</i> , 2012, 213, 459-469.	0.7	40
39	Syntheses and reactions of methyl (Z)-9,10-epoxy-13-oxo-(E)-11-octadecenoate and methyl (E)-9,10-epoxy-13-oxo-(E)-11-octadecenoate. <i>Chemistry and Physics of Lipids</i> , 1992, 60, 225-233.	1.5	39
40	Magnetic field dependence of the neutral pion mass in the linear sigma model coupled to quarks: The weak field case. <i>Physical Review D</i> , 2018, 98, .	1.6	39
41	Fluorescent pyrrole products from carbonyl-amine reactions. <i>Journal of Biological Chemistry</i> , 1993, 268, 16190-7.	1.6	38
42	The protective role of thiols against nitric oxide-mediated cytotoxicity in murine macrophage J774 cells. <i>European Journal of Pharmacology</i> , 1997, 321, 87-96.	1.7	37
43	Is spatial structure the key to promote plant diversity in Mediterranean forest plantations?. <i>Basic and Applied Ecology</i> , 2011, 12, 251-259.	1.2	36
44	Linear sigma model and the formation of a charged pion condensate in the presence of an external magnetic field. <i>Physical Review D</i> , 2014, 89, .	1.6	35
45	Linoleic acid oxidation in the presence of amino compounds produces pyrroles by carbonyl amine reactions. <i>Lipids and Lipid Metabolism</i> , 1995, 1258, 319-327.	2.6	34
46	Vertebrate Herbivores as Predators of Insect Herbivores: An Asymmetrical Interaction Mediated by Size Differences. <i>Oikos</i> , 1993, 66, 223.	1.2	32
47	Intermediate-Term Results of Phase I Food and Drug Administration Trials of Buttoned Device Occlusion of Secundum Atrial Septal Defects. <i>Journal of the American College of Cardiology</i> , 1998, 31, 674-676.	1.2	32
48	The role of prostaglandin E2 and nitric oxide in cell death in J774 murine macrophages. <i>European Journal of Pharmacology</i> , 1998, 349, 307-315.	1.7	31
49	Determination of $\hat{\mu}$ -N-Pyrrolylnorleucine in Fresh Food Products. <i>Journal of Agricultural and Food Chemistry</i> , 1999, 47, 1942-1947.	2.4	30
50	Nitrosative stress in an animal model of necrotizing enterocolitis. <i>Free Radical Biology and Medicine</i> , 2005, 39, 1428-1437.	1.3	28
51	Nitric oxide mediates dendritic cell apoptosis by downregulating inhibitors of apoptosis proteins and upregulating effector caspase activity. <i>Surgery</i> , 2001, 130, 326-332.	1.0	27
52	Purification and characterization of tomato lipoxygenase. <i>Phytochemistry</i> , 1987, 26, 345-347.	1.4	25
53	Inhibition of Proteolysis in Oxidized Lipid-Damaged Proteins. <i>Journal of Agricultural and Food Chemistry</i> , 2001, 49, 6006-6011.	2.4	25
54	Food Processing Antioxidants. <i>Advances in Food and Nutrition Research</i> , 2017, 81, 31-64.	1.5	24

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55	In vitro production of long chain pyrrole fatty esters from carbonyl-amine reactions. <i>Journal of Lipid Research</i> , 1995, 36, 725-35.	2.0	24
56	Determination of lysine modification product $\hat{\mu}$ -N-pyrrolylnorleucine in hydrolyzed proteins and trout muscle microsomes by micellar electrokinetic capillary chromatography. <i>Lipids</i> , 1995, 30, 477-483.	0.7	23
57	Superstatistics and the effective QCD phase diagram. <i>Physical Review D</i> , 2018, 98, .	1.6	23
58	Pyrrolization and Antioxidant Function of Proteins Following Oxidative Stress. <i>Chemical Research in Toxicology</i> , 2001, 14, 582-588.	1.7	21
59	Magnetic field dependence of the neutral pion mass in the linear sigma model with quarks: The strong field case. <i>Physical Review D</i> , 2021, 103, .	1.6	21
60	Nitric Oxide from the Inducible Nitric Oxide Synthase (iNOS) Increases the Expression of Cytochrome P450 2E1 in iNOS-Null Hepatocytes in the Absence of Inflammatory Stimuli. <i>Archives of Biochemistry and Biophysics</i> , 2001, 390, 287-294.	1.4	20
61	Identifying the abiotic and biotic drivers behind the elevational distribution shift of a parasitic plant. <i>Plant Biology</i> , 2019, 21, 307-317.	1.8	19
62	The Sideris Buttoned Devices for Transcatheter Closure of Patent Ductus Arteriosus. <i>Journal of Interventional Cardiology</i> , 2001, 14, 239-246.	0.5	17
63	Can serum bilirubin be an index of in vivo oxidative stress?. <i>Medical Hypotheses</i> , 1990, 33, 207-211.	0.8	16
64	Factors affecting intrafruit pattern of ovule abortion and seed production in <i>Hormathophylla spinosa</i> (Cruciferae). <i>Plant Systematics and Evolution</i> , 2003, 239, 215-229.	0.3	15
65	Glun polarization tensor and dispersion relation in a weakly magnetized medium. <i>European Physical Journal A</i> , 2021, 57, 1.	1.0	14
66	Fluctuating temperature and baryon chemical potential in heavy-ion collisions and the position of the critical end point in the effective QCD phase diagram. <i>Physical Review D</i> , 2020, 101, .	1.6	13
67	Epoxidation of ethyl (Z)-9-(Z)-12-(Z)-15-octadecatrienoate with m-chloroperbenzoic acid. <i>Chemistry and Physics of Lipids</i> , 1989, 49, 221-224.	1.5	11
68	Publisher's Note: Magnetized effective QCD phase diagram [Phys. Rev. D92, 096011 (2015)]. <i>Physical Review D</i> , 2015, 92, .	1.6	11
69	On the critical end point in a two-flavor linear sigma model coupled to quarks. <i>European Physical Journal A</i> , 2020, 56, 1.	1.0	11
70	Magnetic corrections to the boson self-coupling and boson-fermion coupling in the linear sigma model with quarks. <i>Physical Review D</i> , 2020, 102, .	1.6	11
71	Oxidant-induced haemoprotein degradation in rat tissue slices: effect of bromotrichloromethane, antioxidants and chelators. <i>BBA - Proteins and Proteomics</i> , 1990, 1037, 313-320.	2.1	10
72	Magnetic field dependence of nucleon parameters from QCD sum rules. <i>Physical Review D</i> , 2020, 102, .	1.6	10

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73	Damage to red blood cells by halocompounds. <i>Toxicology Letters</i> , 1990, 52, 191-199.	0.4	9
74	Magnetic corrections to $\vec{E} \cdot \vec{E}$ scattering lengths in the linear sigma model. <i>Physical Review D</i> , 2018, 97, .	1.6	9
75	Adiposity measures predict olfactory processing speed in older adult carriers of the apolipoprotein E ϵ_4 allele. <i>Clinical Neurophysiology</i> , 2012, 123, 918-924.	0.7	8
76	Inverse magnetic catalysis in the linear sigma model. <i>Journal of Physics: Conference Series</i> , 2016, 720, 012026.	0.3	8
77	Thermomagnetic correlation lengths of strongly interacting matter in the Nambu-Jona-Lasinio model. <i>Physical Review D</i> , 2017, 96, .	1.6	8
78	New perspective for the magnetic corrections to $\vec{E} \cdot \vec{E}$ scattering lengths in the linear sigma model. <i>Physical Review D</i> , 2019, 99, .	1.6	8
79	Land-Use Legacies and Climate Change as a Double Challenge to Oak Forest Resilience: Mismatches of Geographical and Ecological Rear Edges. <i>Ecosystems</i> , 2021, 24, 755-773.	1.6	8
80	Modificaciones producidas en las proteĂnas alimentarias por su interacciĂn con lĂpidos peroxidados. II. Mecanismos conocidos de la interacciĂn lĂpido (oxidado) - proteĂna. <i>Grasas Y Aceites</i> , 1992, 43, 31-38.	0.3	8
81	Carotene cooxidation activity of tomato lipoxygenase-2. <i>Molecular Nutrition and Food Research</i> , 1988, 32, 965-969.	0.0	7
82	Local and landscape-scale biotic correlates of mistletoe distribution in Mediterranean pine forests. <i>Forest Systems</i> , 2012, 21, 179.	0.1	7
83	Histological and microbiological aspects of actinomycetoma cases in Venezuela. <i>Revista Do Instituto De Medicina Tropical De Sao Paulo</i> , 1988, 30, 297-304.	0.5	6
84	The cylindrical \hat{r} -potential and the Dirac equation. <i>Journal of Physics A: Mathematical and Theoretical</i> , 2012, 45, 465303.	0.7	6
85	Magnetic renormalons in a scalar self-interacting \hat{r}^4 theory. <i>Physical Review D</i> , 2019, 99, .	1.6	6
86	Thermal corrections to the gluon magnetic Debye mass. <i>Revista Mexicana De FĂsica</i> , 2020, 66, 446-461.	0.2	6
87	Synthesis of 9,12-epoxyoctadeca-9,11-dienoic acid. <i>Chemistry and Physics of Lipids</i> , 1988, 48, 289-292.	1.5	5
88	Oxidant-increased proteolysis in rat liver slices: Effect of bromotrichloromethane, antioxidants and effectors of proteolysis. <i>Chemico-Biological Interactions</i> , 1990, 76, 293-305.	1.7	5
89	A Comparison of the Size of the Burn Produced by Rodenstock and Goldmann Contact Lenses. <i>American Journal of Ophthalmology</i> , 1991, 112, 212-214.	1.7	5
90	Transcatheter closure of residual atrial septal defect following implantation of buttoned device. <i>Catheterization and Cardiovascular Diagnosis</i> , 1995, 36, 242-246.	0.7	5

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91	Weak magnetic field effects on chiral critical temperature in a nonlocal Nambu–Jona-Lasinio model. <i>International Journal of Modern Physics A</i> , 2015, 30, 1550123.	0.5	5
92	Optical conductivity in an effective model for graphene: finite temperature corrections. <i>Journal of Physics A: Mathematical and Theoretical</i> , 2020, 53, 015401.	0.7	5
93	Normal Values for Corrected Sinus Node Recovery Time in Adolescents. <i>Pediatric Cardiology</i> , 1999, 20, 396-399.	0.6	4
94	Critical end point in a thermomagnetic nonlocal NJL model. <i>International Journal of Modern Physics A</i> , 2017, 32, 1750162.	0.5	4
95	Thermomagnetic corrections to $\pi\pi$ scattering lengths in the linear sigma model. <i>Physical Review D</i> , 2019, 100, .	1.6	4
96	Fermion propagator in a rotating environment. <i>Physical Review D</i> , 2021, 103, .	1.6	4
97	Thermomagnetic renormalons in a scalar self-interacting $\hat{\phi}^4$ theory. <i>Physical Review D</i> , 2021, 104, .	1.6	4
98	Catalysis and inverse electric catalysis in a scalar theory. <i>Physical Review D</i> , 2022, 105, .	1.6	4
99	Renormalons in a scalar self-interacting theory: Thermal, thermomagnetic, and thermoelectric corrections for all values of the temperature. <i>Physical Review D</i> , 2022, 105, .	1.6	4
100	Real-time comparison of pressure-predicted and Doppler-measured jet velocities distal to left-sided obstructions throughout systole. <i>American Journal of Cardiology</i> , 1995, 76, 853-855.	0.7	3
101	Semilunar valve switch in aortic insufficiency. <i>European Journal of Cardio-thoracic Surgery</i> , 1995, 9, 631-635.	0.6	3
102	Alteraciones bioquímicas de los lípidos en los alimentos vegetales. I. Formación de los hidroperóxidos lipídicos. <i>Grasas Y Aceites</i> , 1991, 42, 155-162.	0.3	3
103	Alteraciones bioquímicas de los lípidos en los alimentos vegetales. II. Metabolismo de los hidroperóxidos lipídicos. <i>Grasas Y Aceites</i> , 1991, 42, 230-238.	0.3	3
104	Modificaciones producidas en las proteínas alimentarias por su interacción con lípidos peroxidados. III. Consecuencias nutricionales y toxicológicas. <i>Grasas Y Aceites</i> , 1992, 43, 97-100.	0.3	3
105	Work Time Required to Perform Diagnostic and Interventional Pediatric Cardiac Catheterizations. <i>American Journal of Cardiology</i> , 1997, 80, 528-530.	0.7	2
106	Use of a Cerebral Angiographic Catheter Facilitates Crossing the Pulmonary Valve in Neonates With Critical or Severe Pulmonary Valve Stenosis. <i>American Journal of Cardiology</i> , 1997, 80, 1245-1247.	0.7	2
107	The Role of Nitric Oxide in Apoptosis and Autophagy. , 2010, , 513-537.		2
108	On the magnetic catalysis and inverse catalysis of phase transitions in the linear sigma model. <i>Nuclear and Particle Physics Proceedings</i> , 2015, 258-259, 209-212.	0.2	2

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109	To grow or not to grow: Thermomagnetic behavior of the strong coupling. EPJ Web of Conferences, 2019, 206, 02001.	0.1	2
110	Modificaciones producidas en las proteínas alimentarias por su interacción con lípidos peroxidados. I. Química radicalaria de los ácidos grasos poliinsaturados. Grasas Y Aceites, 1991, 42, 379-386.	0.3	2
111	Comparative fluorescence properties of lipoxygenases. Comparative Biochemistry and Physiology Part B: Comparative Biochemistry, 1988, 89, 531-537.	0.2	1
112	Thermo-magnetic nonlocal NJL model in the real and imaginary time formalisms. International Journal of Modern Physics A, 2017, 32, 1750027.	0.5	1
113	Effects of Superstatistics on the Location of the Effective QCD Critical End Point. Ukrainian Journal of Physics, 2019, 64, 665.	0.1	1
114	Transatrial closure of high-pressure, high-resistance ventricular septal defects. Journal of Pediatric Surgery, 1971, 6, 650-656.	0.8	0
115	Non-Enzymatic Browning Reactions of Phospholipids. Lipid - Fett, 1990, 92, 185-188.	0.6	0
116	EXPRESSION OF THE BCL-2 BINDING PROTEIN BNIP3 IN A MODEL OF NECROTIZING ENTEROCOLITIS.. Shock, 2004, 21, 82.	1.0	0
117	Lipids: Their Role in the Formation of Endogenous Antioxidants during Food Processing. Czech Journal of Food Sciences, 2009, 27, S1-S3.	0.6	0
118	Vacuum instability by a chromoelectric field in $2+1$ dimensions. Physical Review D, 2014, 89, .	1.6	0
119	Thermo-magnetic behavior of the quark-gluon vertex. Nuclear and Particle Physics Proceedings, 2016, 270-272, 185-189.	0.2	0
120	Differential Networks of Circulating Inflammatory Mediators in HIV-Infected Smokers and Non-Smokers. , 2019, , .		0
121	Pion mass modification in a weak magnetic field. Astronomische Nachrichten, 2019, 340, 834-840.	0.6	0
122	$\pi\pi$ scattering lengths: thermo-magnetic corrections in the linear sigma model. Nuclear and Particle Physics Proceedings, 2020, 309-311, 124-127.	0.2	0
123	Reaction of N^{ϵ} -acetyl-L-histidine with diazomethane: A model esterification reaction of carboxylic groups in the presence of imidazole rings. Grasas Y Aceites, 1996, 47, 326-330.	0.3	0