



## **ARMANDO GOMEZ PUYOU**

### **Datos Generales**

**Nombre:** ARMANDO GOMEZ PUYOU

**Máximo nivel de estudios:** DOCTORADO

**Antigüedad académica en la UNAM:** 57 años

---

### **Nombramientos**

**Último:** INVESTIGADOR EMERITO TC Definitivo  
Instituto de Fisiología Celular  
Desde 01-01-2008 (fecha inicial de registros en el  
SIIA) hasta 31-01-2014

---

---

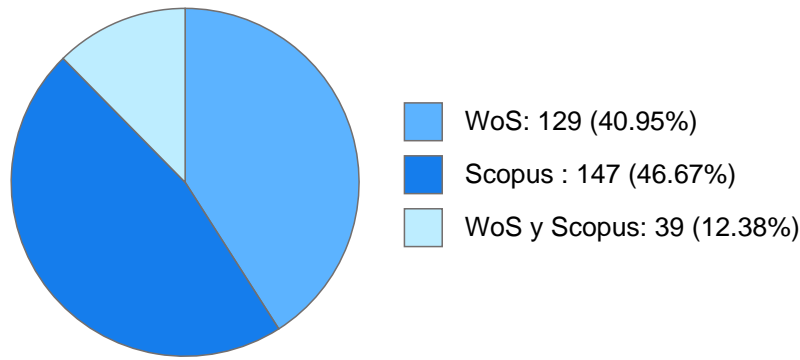
### **Estímulos, programas, premios y reconocimientos**

SNI Emérito 2010 - 2016  
SNI III 2009  
PUN Investigación en ciencias naturales 1989

**ARMANDO GOMEZ PUYOU**

**DOCUMENTOS EN REVISTAS**

**Histórico de Documentos**



#	Título	Autores	Revista	Año
1	The importance of arginine codons AGA and AGG for the expression in E. coli of triosephosphate isomerase from seven different species	BEATRIZ AGUIRRE LOPEZ ELIZABETH NALLELY CABRERA GONZALEZ RUY ENRIQUE PEREZ MONTFORT et al.	Biotechnology Reports	2017
2	A guide to the effects of a large portion of the residues of triosephosphate isomerase on catalysis, stability, druggability, and human disease	MARIETTA TUENA SANGRI RUY ENRIQUE PEREZ MONTFORT MIGUEL ANTONIO COSTAS BASIN et al.	PROTEINS-STRUCTURE FUNCTION AND BIOINFORMATICS	2017
3	Back Cover: Potent and Selective Inhibitors of Trypanosoma cruzi Triosephosphate Isomerase with Concomitant Inhibition of Cruzipain: Inhibition of Parasite Growth through Multitarget Activity (ChemMedChem 12/2016)	BEATRIZ AGUIRRE LOPEZ ELIZABETH NALLELY CABRERA GONZALEZ ARMANDO GOMEZ PUYOU et al.	Chemmedchem	2016
4	Potent and Selective Inhibitors of Trypanosoma cruzi Triosephosphate Isomerase with Concomitant Inhibition of Cruzipain: Inhibition of Parasite Growth through Multitarget Activity	BEATRIZ AGUIRRE LOPEZ ELIZABETH NALLELY CABRERA GONZALEZ ARMANDO GOMEZ PUYOU et al.	Chemmedchem	2016

## ARMANDO GOMEZ PUYOU

5	Development of bis-thiazoles as inhibitors of triosephosphate isomerase from <i>Trypanosoma cruzi</i> . Identification of new non-mutagenic agents that are active in vivo	BEATRIZ AGUIRRE LOPEZ ELIZABETH NALLELY CABRERA GONZALEZ MARIETTA TUENA SANGRI et al.	EUROPEAN JOURNAL OF MEDICINAL CHEMISTRY	2015
6	3-H-[1,2]Dithiole as a new anti-trypanosoma cruzi chemotype: Biological and mechanism of action studies	BEATRIZ AGUIRRE LOPEZ ELIZABETH NALLELY CABRERA GONZALEZ MARIETTA TUENA SANGRI et al.	Molecules	2015
7	Substrate-induced dimerization of engineered monomeric variants of triosephosphate isomerase from <i>trichomonas vaginalis</i>	ARMANDO GOMEZ PUYOU LaraGonzalez, Samuel Estrella, Priscilla et al.	PLOS ONE	2015
8	Different contribution of conserved amino acids to the global properties of triosephosphate isomerases	Yolanda Aguirre ELIZABETH NALLELY CABRERA GONZALEZ BEATRIZ AGUIRRE LOPEZ et al.	PROTEINS-STRU CTURE FUNCTION AND BIOINFORMATIC S	2014
9	New chemotypes as <i>Trypanosoma cruzi</i> triosephosphate isomerase inhibitors: A deeper insight into the mechanism of inhibition	BEATRIZ AGUIRRE LOPEZ ELIZABETH NALLELY CABRERA GONZALEZ MARIETTA TUENA SANGRI et al.	JOURNAL OF ENZYME INHIBITION AND MEDICINAL CHEMISTRY	2014
10	1,2,4-thiadiazol-5(4H)-ones: A new class of selective inhibitors of <i>Trypanosoma cruzi</i> triosephosphate isomerase. Study of the mechanism of inhibition	BEATRIZ AGUIRRE LOPEZ ELIZABETH NALLELY CABRERA GONZALEZ MARIETTA TUENA SANGRI et al.	JOURNAL OF ENZYME INHIBITION AND MEDICINAL CHEMISTRY	2013
11	Cellular and biochemical characterization of two closely related triosephosphate isomerases from <i>Trichomonas vaginalis</i>	ARMANDO GOMEZ PUYOU GLORIA SAAB RINCON Figueroa-Angulo, Elisa E. et al.	Parasitology	2012
12	Identification of Amino Acids that Account for Long-Range Interactions in Two Triosephosphate Isomerases from Pathogenic Trypanosomes	ITZHEL GARCIA TORRES ELIZABETH NALLELY CABRERA GONZALEZ ALFREDO TORRES LARIOS et al.	PLOS ONE	2011
13	Structural and biochemical characterization of a recombinant triosephosphate isomerase from <i>Rhipicephalus (Boophilus) microplus</i>	RODRIGO ALEJANDRO ARREOLA BARROSO ELIZABETH NALLELY CABRERA GONZALEZ MARIETTA TUENA SANGRI et al.	INSECT BIOCHEMISTRY AND MOLECULAR BIOLOGY	2011

## ARMANDO GOMEZ PUYOU

14	A Ribosomal Misincorporation of Lys for Arg in Human Triosephosphate Isomerase Expressed in Escherichia coli Gives Rise to Two Protein Populations	BEATRIZ AGUIRRE LOPEZ MIGUEL ANTONIO COSTAS BASIN ELIZABETH NALLELY CABRERA GONZALEZ et al.	PLOS ONE	2011
15	Massive screening yields novel and selective Trypanosoma cruzi triosephosphate isomerase dimer-interface-irreversible inhibitors with anti-trypanosomal activity	BEATRIZ AGUIRRE LOPEZ ELIZABETH NALLELY CABRERA GONZALEZ RUY ENRIQUE PEREZ MONTFORT et al.	EUROPEAN JOURNAL OF MEDICINAL CHEMISTRY	2010
16	Between-Species Variation in the Kinetic Stability of TIM Proteins Linked to Solvation-Barrier Free Energies	MIGUEL ANTONIO COSTAS BASIN ARMANDO GOMEZ PUYOU Rodriguez-Larrea, David et al.	JOURNAL OF MOLECULAR BIOLOGY	2009
17	Catalysis by isolated beta-subunits of the ATP Synthase/ATPase from Thermophilic bacillus PS3. Hydrolysis of Pyrophosphate	MARIA CONCEPCION JOSE NUÑEZ ALFREDO TORRES LARIOS LETICIA HAYDEE RAMIREZ SILVA et al.	JOURNAL OF BIOENERGETICS AND BIOMEMBRANES	2008
18	A monoclonal antibody that inhibits Trypanosoma cruzi growth in vitro and its reaction with intracellular triosephosphate isomerase	A. A. Cortes Figueroa ARMANDO PEREZ TORRES NORMA LILIA SALAIZA SUAZO et al.	PARASITOLOGY RESEARCH	2008
19	Key residues of loop 3 in the interaction with the interface residue at position 14 in triosephosphate isomerase from Trypanosoma brucei	ELIZABETH NALLELY CABRERA GONZALEZ GUILLERMO MENDOZA HERNANDEZ ARMANDO GOMEZ PUYOU et al.	BIOCHEMISTRY	2008
20	Expression, purification and preliminary X-ray diffraction studies of the transcriptional factor PyrR from Bacillus halodurans	RODRIGO ALEJANDRO ARREOLA BARROSO ARMANDO GOMEZ PUYOU RUY ENRIQUE PEREZ MONTFORT et al.	ACTA CRYSTALLOGRA PHICA SECTION F-STRUCTURAL BIOLOGY COMMUNICATIO NS	2008
21	Structural basis of human triosephosphate isomerase deficiency: Mutation E104D is related to alterations of a conserved water network at the dimer interface	CLAUDIA RODRIGUEZ ALMAZAN RODRIGO ALEJANDRO ARREOLA BARROSO BEATRIZ AGUIRRE LOPEZ et al.	JOURNAL OF BIOLOGICAL CHEMISTRY	2008
22	Crosstalk between the subunits of the homodimeric enzyme triosephosphate isomerase	BEATRIZ AGUIRRE LOPEZ GLORIA HERNANDEZ ALCANTARA RUY ENRIQUE PEREZ MONTFORT et al.	PROTEINS-STRU CTURE FUNCTION AND BIOINFORMATIC S	2007

**ARMANDO GOMEZ PUYOU**

23	Perturbation of the dimer interface of triosephosphate isomerase and its effect on <i>Trypanosoma cruzi</i>	VANESA OLIVARES ILLANA ADELA RODRIGUEZ ROMERO INGEBORG DOROTHEA BECKER FAUSER et al.	PLOS NEGLECTED TROPICAL DISEASES	2007
24	The Stability and Formation of Native Proteins from Unfolded Monomers Is Increased through Interactions with Unrelated Proteins	CLAUDIA RODRIGUEZ ALMAZAN FRANCISCO JOSE TORNER MORALES RUY ENRIQUE PEREZ MONTFORT et al.	PLOS ONE	2007
25	A hinge of the endogeneous ATP synthase inhibitor protein: The link between inhibitory and anchoring domains	ARMANDO GOMEZ PUYOU Domínguez-Ramírez L. De Gómez-Puyou M.T.	PROTEINS-STRUCTURE FUNCTION AND BIOINFORMATICS	2006
26	Structural differences in triosephosphate isomerase from different species and discovery of a multitypanosomatid inhibitor	VANESA OLIVARES ILLANA RUY ENRIQUE PEREZ MONTFORT ADELA RODRIGUEZ ROMERO et al.	BIOCHEMISTRY	2006
27	The inhibitor protein of the F1F0-ATP synthase is associated to the external surface of endothelial cells	ALEJANDRO ZENTELLA DEHESA ARMANDO GOMEZ PUYOU Cortés-Hernández P. et al.	BIOCHEMICAL AND BIOPHYSICAL RESEARCH COMMUNICATIONS	2005
28	Effect of denaturants on multisite and unisite ATP hydrolysis by bovine heart submitochondrial particles with and without inhibitor protein	ARMANDO GOMEZ PUYOU De Gómez-Puyou M.T. Domínguez-Ramírez L. et al.	ARCHIVES OF BIOCHEMISTRY AND BIOPHYSICS	2005
29	Asparaginyl deamidation in two glutamate dehydrogenase isoenzymes from <i>Saccharomyces cerevisiae</i>	ARMANDO GOMEZ PUYOU MARIA ALICIA GONZALEZ MANJARREZ DeLuna A. et al.	BIOCHEMICAL AND BIOPHYSICAL RESEARCH COMMUNICATIONS	2005
30	Interconversion between dimers and monomers of endogenous mitochondrial F1-inhibitor protein complexes and the release of the inhibitor protein. spectroscopic characteristics of the complexes	GEORGINA REGINA GARZA RAMOS MARTINEZ HUGO NAJERA PEÑA GUILLERMO MENDOZA HERNANDEZ et al.	JOURNAL OF BIOENERGETICS AND BIOMEMBRANES	2004
31	Inactivation of triosephosphate isomerase from <i>Trypanosoma cruzi</i> by an agent that perturbs its dimer interface	VANESA OLIVARES ILLANA ALEJANDRA HERNANDEZ SANTOYO RUY ENRIQUE PEREZ MONTFORT et al.	JOURNAL OF MOLECULAR BIOLOGY	2004

**ARMANDO GOMEZ PUYOU**

32	Mitochondrial bound hexokinase activity as a preventive antioxidant defense. Steady-state ADP formation as a regulatory mechanism of membrane potential and reactive oxygen species generation in mitochondria	ARMANDO GOMEZ PUYOU Da-Silva W.S. De Gómez-Puyou M.T. et al.	JOURNAL OF BIOLOGICAL CHEMISTRY	2004
33	Control of the reactivation kinetics of homodimeric triosephosphate isomerase from unfolded monomers	GLORIA HERNANDEZ ALCANTARA HORACIO REYES VIVAS GEORGINA REGINA GARZA RAMOS MARTINEZ et al.	BIOCHEMISTRY	2003
34	Catalysis and stability of triosephosphate isomerase from Trypanosoma brucei with different residues at position 14 of the dimer interface. Characterization of a catalytically competent monomeric enzyme	GLORIA HERNANDEZ ALCANTARA GEORGINA REGINA GARZA RAMOS MARTINEZ GUILLERMO MENDOZA HERNANDEZ et al.	BIOCHEMISTRY	2002
35	Susceptibility to proteolysis of triosephosphate isomerase from two pathogenic parasites: Characterization of an enzyme with an intact and a nicked monomer	HORACIO REYES VIVAS GUILLERMO MENDOZA HERNANDEZ GABRIEL LOPEZ VELAZQUEZ et al.	PROTEINS-STRUCTURE FUNCTION AND BIOINFORMATICS	2002
36	Highly specific inactivation of triosephosphate isomerase from Trypanosoma cruzi	SANTIAGO AVILA RIOS RUY ENRIQUE PEREZ MONTFORT ADELA RODRIGUEZ ROMERO et al.	BIOCHEMICAL AND BIOPHYSICAL RESEARCH COMMUNICATIONS	2002
37	The interfaces of oligomeric proteins as targets for drug design against enzymes from parasites.	RUY ENRIQUE PEREZ MONTFORT ARMANDO GOMEZ PUYOU Gomez-Puyou M.T.	CURRENT TOPICS IN MEDICINAL CHEMISTRY	2002
38	Dimethylsulfoxide promotes K <sup>+</sup> -independent activity of pyruvate kinase and the acquisition of the active catalytic conformation	LETICIA HAYDEE RAMIREZ SILVA ARMANDO GOMEZ PUYOU Ferreira S.T. et al.	EUROPEAN JOURNAL OF BIOCHEMISTRY	2001
39	Factors that control the reactivity of the interface cysteine of triosephosphate isomerase from Trypanosoma brucei and Trypanosoma cruzi	HORACIO REYES VIVAS GABRIEL LOPEZ VELAZQUEZ ELIZABETH NALLELY CABRERA GONZALEZ et al.	BIOCHEMISTRY	2001
40	Equilibrium between monomeric and dimeric mitochondrial FI-inhibitor protein complexes	GUILLERMO MENDOZA HERNANDEZ ALFONSO CARABEZ TREJO ARMANDO GOMEZ PUYOU et al.	FEBS LETTERS	2001

## ARMANDO GOMEZ PUYOU

41	Structural alterations and inhibition of unisite and multisite ATP hydrolysis in soluble mitochondrial F1 by guanidinium chloride	HORACIO REYES VIVAS ARMANDO GOMEZ PUYOU De Gómez-Puyou M.T. et al.	BIOCHEMISTRY	2001
42	Escherichia coli TEM1 $\beta$ -lactamase in CTAB reverse micelles: Exchange/diffusion-limited catalysis	ARMANDO GOMEZ PUYOU FRANCISCO XAVIER DEL ESPIRITU SANTO SOBERON MAINERO Moreno-Hagelsieb G.	FEBS LETTERS	1999
43	Synthesis and hydrolysis of ATP and the phosphate-ATP exchange reaction in soluble mitochondrial F1 in the presence of dimethylsulfoxide	ARMANDO GOMEZ PUYOU De Gomez-Puyou M.T. Perez-Hernandez G.	EUROPEAN JOURNAL OF BIOCHEMISTRY	1999
44	Crystal structure of triosephosphate isomerase from Trypanosoma cruzi in hexane	ERNESTO MALDONADO OLVERA RUY ENRIQUE PEREZ MONTFORT GEORGINA REGINA GARZA RAMOS MARTINEZ et al.	PROCEEDINGS OF THE NATIONAL ACADEMY OF SCIENCES OF THE UNITED STATES OF AMERICA	1999
45	Derivatization of the interface cysteine of triosephosphate isomerase from Trypanosoma brucei and Trypanosoma cruzi as probe of the interrelationship between the catalytic sites and the dimer interface	RUY ENRIQUE PEREZ MONTFORT GEORGINA REGINA GARZA RAMOS MARTINEZ GLORIA HERNANDEZ ALCANTARA et al.	BIOCHEMISTRY	1999
46	Reverse micelle systems composed of water, Triton X-100, and phospholipids in organic solvents: 2. Catalysis and thermostability of hexokinase	DANIEL ALEJANDRO FERNANDEZ VELASCO JOSE ROGELIO RODRIGUEZ TALAVERA SUSANA VARGAS MUÑOZ et al.	JOURNAL OF COLLOID AND INTERFACE SCIENCE	1998
47	Enzymes in low water systems	ARMANDO GOMEZ PUYOU Tuena De Gómez-Puyou M.	CRITICAL REVIEWS IN BIOCHEMISTRY AND MOLECULAR BIOLOGY	1998
48	Unisite ATP hydrolysis by soluble rhodospirillum rubrum F1-ATPase is accelerated by Ca <sup>2+</sup>	ERNESTO MALDONADO OLVERA GEORGES DREYFUS CORTES ARMANDO GOMEZ PUYOU et al.	BIOCHIMICA ET BIOPHYSICA ACTA-BIOENERGETICS	1998

## ARMANDO GOMEZ PUYOU

49	Sulfhydryl reagent susceptibility in proteins with high sequence similarity: Triosephosphate isomerase from <i>Trypanosoma brucei</i> , <i>Trypanosoma cruzi</i> and <i>Leishmania mexicana</i>	GEORGINA REGINA GARZA RAMOS MARTINEZ ELIZABETH NALLELY CABRERA GONZALEZ PEDRO ULISES GUADALUPE OSTOA SALOMA et al.	EUROPEAN JOURNAL OF BIOCHEMISTRY	1998
50	Synthesis and release of ATP by soluble mitochondrial F1 in complex with its inhibitor protein during dimethylsulfoxide-water transitions	FRANCISCA SANDOVAL ZAPATA ARMANDO GOMEZ PUYOU Tuena De Gomez-Puyou M. et al.	EUROPEAN JOURNAL OF BIOCHEMISTRY	1998
51	Reactivation of triosephosphate isomerase from three trypanosomatids and human: Effect of Suramin	GEORGINA REGINA GARZA RAMOS MARTINEZ ELIZABETH NALLELY CABRERA GONZALEZ RUY ENRIQUE PEREZ MONTFORT et al.	BIOCHEMICAL JOURNAL	1998
52	Differences in the intersubunit contacts in triosephosphate isomerase from two closely related pathogenic trypanosomes	ERNESTO MALDONADO OLVERA MANUEL SORIANO GARCIA ABEL MORENO CARCAMO et al.	JOURNAL OF MOLECULAR BIOLOGY	1998
53	Acceleration of unisite catalysis of mitochondrial F1-adenosinetriphosphatase by ATP, ADP and pyrophosphate Hydrolysis and release of the previously bound [ $\gamma$ - $^{32}$ P]ATP	ARMANDO GOMEZ PUYOU ERNESTO MALDONADO OLVERA García J.J. et al.	EUROPEAN JOURNAL OF BIOCHEMISTRY	1997
54	Unisite hydrolysis of [ $\gamma$ - $^{32}$ P]ATP by soluble mitochondrial F1-ATPase and its release by excess ADP and ATP. Effect of trifluoperazine	ARMANDO GOMEZ PUYOU García J.J. De Gómez-Puyou M.T.	JOURNAL OF BIOENERGETICS AND BIOMEMBRANES	1997
55	The contribution of water to the selectivity of pyruvate kinase for Na <sup>+</sup> and K <sup>+</sup>	LETICIA HAYDEE RAMIREZ SILVA JESUS ANTONIO ORIA HERNANDEZ ARMANDO GOMEZ PUYOU et al.	EUROPEAN JOURNAL OF BIOCHEMISTRY	1997
56	Crystallization and preliminary X-ray analysis of triosephosphate isomerase from <i>Trypanosoma cruzi</i>	ERNESTO MALDONADO OLVERA ABEL MORENO CARCAMO PEDRO ULISES GUADALUPE OSTOA SALOMA et al.	PROTEIN AND PEPTIDE LETTERS	1997
57	Unisite hydrolysis of [ $\gamma$ - $^{32}$ P]ATP by soluble mitochondrial, F <sub>1</sub> -, and $\gamma$ - $^{32}$ PATP release induced by excess ADP and ATP. effect of trifluoperazine	ERNESTO MALDONADO OLVERA ARMANDO GOMEZ PUYOU Garcia J.J. et al.	FASEB JOURNAL	1996
58	Refolding of triosephosphate isomerase in low-water media investigated by fluorescence resonance energy transfer	MA. DEL CARMEN BELTRAN NUÑEZ ARMANDO GOMEZ PUYOU ALBERTO DARSZON ISRAEL et al.	BIOCHEMISTRY	1996



## ARMANDO GOMEZ PUYOU

59	Species-specific inhibition of homologous enzymes by modification of nonconserved amino acids residues. The cysteine residues of triosephosphate isomerase	GEORGINA REGINA GARZA RAMOS MARTINEZ RUY ENRIQUE PEREZ MONTFORT ARMANDO GOMEZ PUYOU et al.	EUROPEAN JOURNAL OF BIOCHEMISTRY	1996
60	Water Requirements in Monomer Folding and Dimerization of Triosephosphate Isomerase in Reverse Micelles. Intrinsic Fluorescence of Conformers Related to Reactivation	ARMANDO GOMEZ PUYOU	BIOCHEMISTRY	1995
61	Inhibition by trifluoperazine of ATP synthesis and hydrolysis by particulate and soluble mitochondrial F <sub>1</sub> : Competition with H <sub>2</sub> PO <sub>4</sub> -	ARMANDO GOMEZ PUYOU Garcia J.d.J. Tuena de Gómez-Puyou M.	JOURNAL OF BIOENERGETICS AND BIOMEMBRANES	1995
62	Synthesis of medium pyrophosphate by soluble mitochondrial F <sub>1</sub> through dimethyl sulfoxide-water transitions	FRANCISCA SANDOVAL ZAPATA ARMANDO GOMEZ PUYOU De Gomez-Puyou M.T.	JOURNAL OF BIOLOGICAL CHEMISTRY	1995
63	Different properties of the mitochondrial and cytosolic hexokinases in maize roots	ARMANDO GOMEZ PUYOU Galina A. Reis M. et al.	BIOCHEMICAL JOURNAL	1995
64	Using evolutionary changes to achieve species-specific inhibition of enzyme action - studies with triosephosphate isomerase	ARMANDO GOMEZ PUYOU INGEBORG DOROTHEA BECKER FAUSER RUY ENRIQUE PEREZ MONTFORT et al.	CHEMISTRY & BIOLOGY	1995
65	Differential inactivation of rabbit and yeast triosephosphate isomerase: Effect of oxidations produced by chloramine-T	RUY ENRIQUE PEREZ MONTFORT ARMANDO GOMEZ PUYOU Zubillaga R.A.	ARCHIVES OF BIOCHEMISTRY AND BIOPHYSICS	1994
66	Activity and fluorescence changes of lactate dehydrogenase induced by guanidine hydrochloride in reverse micelles	ALBERTO DARSZON ISRAEL ARMANDO GOMEZ PUYOU Shoshani L. et al.	EUROPEAN JOURNAL OF BIOCHEMISTRY	1994
67	Deamidation of triosephosphate isomerase in reverse micelles: Effects of water on catalysis and molecular wear and tear	GEORGINA REGINA GARZA RAMOS MARTINEZ ARMANDO GOMEZ PUYOU De Gomez-Puyou M.T. et al.	BIOCHEMISTRY	1994
68	Water-induced transitions in the K <sup>+</sup> requirements for the activity of pyruvate kinase entrapped in reverse micelles	LETICIA HAYDEE RAMIREZ SILVA ARMANDO GOMEZ PUYOU Tuena De Gómez-Puyou M.	BIOCHEMISTRY	1993

## ARMANDO GOMEZ PUYOU

69	Are there different water requirements in different steps of a catalytic cycle? Hydration effects at the E1 and E2 conformers of Sarcoplasmic reticulum Ca <sup>2+</sup> -ATPase studied in organic solvents with low amounts of water	ARMANDO GOMEZ PUYOU Barrabin H. Scofano H.M. et al.	EUROPEAN JOURNAL OF BIOCHEMISTRY	1993
70	Enzyme activation by denaturants in organic solvent systems with a low water content	GEORGINA REGINA GARZA RAMOS MARTINEZ DANIEL ALEJANDRO FERNANDEZ VELASCO ALBERTO DARSZON ISRAEL et al.	EUROPEAN JOURNAL OF BIOCHEMISTRY	1992
71	Activity of heart and muscle lactate dehydrogenases in all-aqueous systems and in organic solvents with low amounts of water: Effect of guanidine chloride	DANIEL ALEJANDRO FERNANDEZ VELASCO GEORGINA REGINA GARZA RAMOS MARTINEZ ALBERTO DARSZON ISRAEL et al.	EUROPEAN JOURNAL OF BIOCHEMISTRY	1992
72	Binding of adenine nucleotides to the FI-inhibitor protein complex of bovine heart submitochondrial particles	ARMANDO GOMEZ PUYOU Martins O.B. Salgado-Martins I. et al.	BIOCHEMISTRY	1992
73	High concentrations of guanidine chloride activate lactate dehydrogenase in low water media	GEORGINA REGINA GARZA RAMOS MARTINEZ ALBERTO DARSZON ISRAEL ARMANDO GOMEZ PUYOU et al.	BIOCHEMICAL AND BIOPHYSICAL RESEARCH COMMUNICATIONS	1990
74	Enzyme catalysis in organic solvents with low water content at high temperatures. The adenosinetriphosphatase of submitochondrial particles	GEORGINA REGINA GARZA RAMOS MARTINEZ ALBERTO DARSZON ISRAEL ARMANDO GOMEZ PUYOU et al.	BIOCHEMISTRY	1990
75	Effect of pyridine nucleotides on ATP synthesis and hydrolysis by the mitochondrial ATPase	ARMANDO GOMEZ PUYOU Baizabal-Aguirre V.M. Behrens M.I. et al.	Biochemistry International	1990
76	Catalytic activity of cytochrome oxidase and cytochrome c in apolar solvents containing phospholipids and low amounts of water	JOSE EDGARDO ESCAMILLA MARVAN ARMANDO GOMEZ PUYOU ALBERTO DARSZON ISRAEL et al.	ARCHIVES OF BIOCHEMISTRY AND BIOPHYSICS	1989
77	Catalysis and thermostability of mitochondrial FI-ATPase in toluene-phospholipid-low-water systems	GEORGINA REGINA GARZA RAMOS MARTINEZ ALBERTO DARSZON ISRAEL ARMANDO GOMEZ PUYOU et al.	BIOCHEMISTRY	1989
78	Pre-steady-state studies of the adenosine triphosphatase activity of coupled submitochondrial particles. Regulation by ADP	ARMANDO GOMEZ PUYOU Martins O.B. Tuena De Gómez-Puyou M.	BIOCHEMISTRY	1988

## ARMANDO GOMEZ PUYOU

79	Synthesis and hydrolysis of ATP by the mitochondrial ATP synthase	ARMANDO GOMEZ PUYOU Tuena de Gomez-Puyou M. Martins O.B.	Biochemistry and Cell Biology	1988
80	Inhibition of mitochondrial F1 ATPase and sarcoplasmic reticulum ATPase by hydrophobic molecules	ARMANDO GOMEZ PUYOU De Meis L. Tuena De Gomez Puyou M.	EUROPEAN JOURNAL OF BIOCHEMISTRY	1988
81	Properties and regulation of the H <sup>+</sup> -ATP synthase of mitochondria	ARMANDO GOMEZ PUYOU Martins O.B. de Gómez-Puyou M.T.	BIOPHYSICAL CHEMISTRY	1988
82	Transfer of spores, bacteria and yeast into toluene containing phospholipids and low amounts of water: Preservation of the bacterial respiratory chain	ALBERTO DARSZON ISRAEL JOSE EDGARDO ESCAMILLA MARVAN ARMANDO GOMEZ PUYOU et al.	BIOCHEMICAL AND BIOPHYSICAL RESEARCH COMMUNICATIONS	1988
83	Binding of dicyclohexylcarbodiimide to a native F1-ATPase - inhibitor protein complex isolated from bovine heart mitochondria	MA. DEL CARMEN BELTRAN NUÑEZ ARMANDO GOMEZ PUYOU Tuena de Gómez-Puyou M.	BIOCHEMICAL AND BIOPHYSICAL RESEARCH COMMUNICATIONS	1988
84	Effect of the electrochemical proton gradient and anions on the ATPase activity of soybean submitochondrial particles	ARMANDO GOMEZ PUYOU Martins I.S. Martins O.B. et al.	PLANT PHYSIOLOGY	1988
85	Synthesis of ATP by soluble mitochondrial F1 ATPase and F1-inhibitor-protein complex in the presence of organic solvents	ARMANDO GOMEZ PUYOU Tuena de Gomez Puyou M. de Meis L.	EUROPEAN JOURNAL OF BIOCHEMISTRY	1986
86	Orthophosphate - pyrophosphate exchange catalyzed by soluble and membrane-bound inorganic pyrophosphatases. Role of H <sup>+</sup> gradient	HELIODORO CELIS SANDOVAL IRMA ROMERO ALVAREZ ARMANDO GOMEZ PUYOU et al.	EUROPEAN JOURNAL OF BIOCHEMISTRY	1986
87	Simultaneous synthesis and hydrolysis of ATP regulated by the inhibitor protein in submitochondrial particles	MA. DEL CARMEN BELTRAN NUÑEZ ALBERTO DARSZON ISRAEL ARMANDO GOMEZ PUYOU et al.	EUROPEAN JOURNAL OF BIOCHEMISTRY	1986
88	Thermostability of membrane enzymes in organic solvents	ARMANDO GOMEZ PUYOU ALBERTO DARSZON ISRAEL Ayala G. et al.	FEBS LETTERS	1986
89	The phosphate-pyrophosphate exchange and hydrolytic reactions of the membrane-bound pyrophosphatase of Rhodospirillum rubrum: Effects of Mg <sup>2+</sup> , phosphate, and pyrophosphate	HELIODORO CELIS SANDOVAL IRMA ROMERO ALVAREZ ARMANDO GOMEZ PUYOU	ARCHIVES OF BIOCHEMISTRY AND BIOPHYSICS	1985

**ARMANDO GOMEZ PUYOU**

90	Extraction of mitochondrial membrane proteins into organic solvents in a functional state	ARMANDO GOMEZ PUYOU ALBERTO DARSZON ISRAEL Ayala G. et al.	BIOCHIMICA ET BIOPHYSICA ACTA-BIOENERGETICS	1985
91	Release of the inhibitory action of the natural ATPase inhibitor protein on the mitochondrial ATPase	MA. DEL CARMEN BELTRAN NUÑEZ ARMANDO GOMEZ PUYOU ALBERTO DARSZON ISRAEL et al.	EUROPEAN JOURNAL OF BIOCHEMISTRY	1984
92	Oxidative phosphorylation and the P(i) ATP exchange reaction of submitochondrial particles under the influence of organic solvents	ALBERTO DARSZON ISRAEL ARMANDO GOMEZ PUYOU de Gomez-Puyou M.T. et al.	JOURNAL OF BIOLOGICAL CHEMISTRY	1984
93	Regulation of the synthesis and hydrolysis of ATP by mitochondrial ATPase. Role of Mg <sup>2+</sup>	ARMANDO GOMEZ PUYOU Ayala G. Muller U. et al.	JOURNAL OF BIOLOGICAL CHEMISTRY	1983
94	Regulation of the synthesis and hydrolysis of ATP by mitochondrial ATPase. Role of the natural ATPase inhibitor protein	GEORGES DREYFUS CORTES ARMANDO GOMEZ PUYOU Tuena de Gomez Puyou M. et al.	JOURNAL OF BIOLOGICAL CHEMISTRY	1983
95	Action of the mitochondrial ATPase inhibitor protein on the Ca <sup>2+</sup> -ATPase of sarcoplasmic reticulum	ARMANDO GOMEZ PUYOU de Meis L. de Gómez-Puyou M.T.	BIOCHEMICAL AND BIOPHYSICAL RESEARCH COMMUNICATIONS	1983
96	Extraction of mitochondrial protein-lipid complexes into organic solvents: an approach to study the interaction between the ATPase and the mitochondrial ATPase-inhibitor protein.	ALBERTO DARSZON ISRAEL ARMANDO GOMEZ PUYOU	EUROPEAN JOURNAL OF BIOCHEMISTRY	1982
97	On the function of the natural ATPase inhibitor protein in intact mitochondria.	ALBERTO DARSZON ISRAEL ARMANDO GOMEZ PUYOU Sánchez-Bustamante V.J.	EUROPEAN JOURNAL OF BIOCHEMISTRY	1982
98	Interaction of mitochondrial ATPase with its inhibitor protein	ARMANDO GOMEZ PUYOU ALBERTO DARSZON ISRAEL Sanchez Bustamante V.J. et al.	ANNALS OF THE NEW YORK ACADEMY OF SCIENCES	1982
99	Studies on the mechanism of action of triphenyltin on proton conduction by the H <sup>+</sup> -ATPase of mitochondria	ARMANDO GOMEZ PUYOU Papa S. Guerrieri F. et al.	EUROPEAN JOURNAL OF BIOCHEMISTRY	1982

## ARMANDO GOMEZ PUYOU

100	Characteristics of adenylyl imidodiphosphate- and ADP-binding sites insoluble and particulate mitochondrial ATPase. Studies with methanol	ARMANDO GOMEZ PUYOU Flores G.O. Acosta A.	BIOCHIMICA ET BIOPHYSICA ACTA-BIOENERGETICS	1982
101	Extraction of mitochondrial protein-lipid complexes into organic solvents: Inhibition of cytochrome oxidase electron transport by dicyclohexylcarbodiimide and triphenyltin chloride	ALBERTO DARSZON ISRAEL ARMANDO GOMEZ PUYOU Barranco J.	BIOCHEMICAL AND BIOPHYSICAL RESEARCH COMMUNICATIONS	1981
102	Electrochemical gradient induced displacement of the natural ATPase inhibitor protein from mitochondrial ATPase as detected by antibodies against the inhibitor protein	GEORGES DREYFUS CORTES ARMANDO GOMEZ PUYOU Tuena de Gómez-Puyou M.	BIOCHEMICAL AND BIOPHYSICAL RESEARCH COMMUNICATIONS	1981
103	Regulation of the ATP-supported Ca <sup>2+</sup> uptake by heart and liver mitochondria	MARINA GAVILANES RUIZ ARMANDO GOMEZ PUYOU Carafoli E. et al.	Cell Calcium	1980
104	Control of activity states of heart mitochondrial ATPase. Role of the proton-motive force and Ca <sup>2+</sup>	MARINA GAVILANES RUIZ ARMANDO GOMEZ PUYOU De Gómez-Puyou M. et al.	BIOCHIMICA ET BIOPHYSICA ACTA-BIOENERGETICS	1980
105	The interaction of mitochondrial F <sub>1</sub> -ATPase with the natural ATPase inhibitor protein	ARMANDO GOMEZ PUYOU De Gómez-Puyou M. Nordenbrand K. et al.	BIOCHIMICA ET BIOPHYSICA ACTA-BIOENERGETICS	1980
106	The effect of calcium on the translocation of adenine nucleotides in rat liver mitochondria	ARMANDO GOMEZ PUYOU De Gómez-Puyou M.T. Klapp M. et al.	ARCHIVES OF BIOCHEMISTRY AND BIOPHYSICS	1979
107	Inactive to active transitions of the mitochondrial ATPase complex as controlled by the ATPase inhibitor	ARMANDO GOMEZ PUYOU Tuena de Gómez-Puyou M. Ernster L.	BIOCHIMICA ET BIOPHYSICA ACTA-BIOENERGETICS	1979
108	Conformational changes of soluble mitochondrial ATPase as controlled by hydrophobic interactions within the enzyme	MARINA GAVILANES RUIZ ARMANDO GOMEZ PUYOU de Gómez-Puyou A.T. et al.	BIOCHEMICAL AND BIOPHYSICAL RESEARCH COMMUNICATIONS	1978

**ARMANDO GOMEZ PUYOU**

109	Effect of 1-(p-methoxybenzyl)-6,7-methylenedioxyisoquinoline on mitochondrial respiration	ARMANDO GOMEZ PUYOU De Meirelles N.C. Meirelles U.M.F. et al.	BIOCHEMICAL PHARMACOLOGY	1978
110	Increased conformational stability of mitochondrial soluble ATPase (F <sub>1</sub> ) by substitution of H <sub>2</sub> O for D <sub>2</sub> O	ARMANDO GOMEZ PUYOU de Gómez-Puyou M.T. Cerbón J.	ARCHIVES OF BIOCHEMISTRY AND BIOPHYSICS	1978
111	A simple method of purification of a soluble oligomycin-insensitive mitochondrial ATPase	ARMANDO GOMEZ PUYOU De Gómez-Puyou M.T.	ARCHIVES OF BIOCHEMISTRY AND BIOPHYSICS	1977
112	Action of alkyl cations and the natural ATPase inhibitor from mitochondria on soluble mitochondrial ATPase	ARMANDO GOMEZ PUYOU MANUEL DE JESUS SALMON SALAZAR de Gómez Puyou M.T.	BIOCHIMICA ET BIOPHYSICA ACTA-BIOENERGETICS	1977
113	Monovalent cations in mitochondrial oxidative phosphorylation	ARMANDO GOMEZ PUYOU Tuena de Gómez-Puyou M.	JOURNAL OF BIOENERGETICS AND BIOMEMBRANES	1977
114	On the mechanism of action of alkylguanidines in oxidative phosphorylation: Their action on soluble F <sub>1</sub>	ARMANDO GOMEZ PUYOU de Gómez-Puyou M.T. Beigel M.	ARCHIVES OF BIOCHEMISTRY AND BIOPHYSICS	1976
115	The stimulating action of K <sup>+</sup> on the hydrolytic activity of soluble mitochondrial ATPase	ARMANDO GOMEZ PUYOU Tuena de Gómez Puyou M.	BIOCHEMICAL AND BIOPHYSICAL RESEARCH COMMUNICATIONS	1976
116	On the locus of action of Na <sup>+</sup> at site I of oxidative phosphorylation	ARMANDO GOMEZ PUYOU FRANCISCA SANDOVAL ZAPATA EDMUNDO CHAVEZ COSIO et al.	JOURNAL OF BIOENERGETICS AND BIOMEMBRANES	1975
117	On the mechanism of action of alkylguanidines on oxidative phosphorylation in mitochondria	ARMANDO GOMEZ PUYOU Papa S. Tuena De Gomez Puyou M.	EUROPEAN JOURNAL OF BIOCHEMISTRY	1975
118	Characteristics of the movement of K <sup>+</sup> across the mitochondrial membrane and the inhibitory action of TI <sup>+</sup>	ARMANDO GOMEZ PUYOU Barrera H.	JOURNAL OF BIOLOGICAL CHEMISTRY	1975

**ARMANDO GOMEZ PUYOU**

119	Effect of X537A on the release of amino acids in retina	ROCIO SALCEDA SACANELLES ARMANDO GOMEZ PUYOU Pasantes-Morales H.	BIOCHEMICAL AND BIOPHYSICAL RESEARCH COMMUNICATIO NS	1974
120	Guanidine sensitive transport of Na <sup>+</sup> and K <sup>+</sup> in mitochondria	ARMANDO GOMEZ PUYOU FRANCISCA SANDOVAL ZAPATA Lotina B. et al.	BIOCHEMICAL AND BIOPHYSICAL RESEARCH COMMUNICATIO NS	1973
121	Respiratory changes induced by guanidines and cations in submitochondrial particles	ARMANDO GOMEZ PUYOU Lotina B. De Gómez-Puyou M.T.	ARCHIVES OF BIOCHEMISTRY AND BIOPHYSICS	1973
122	Coupling of oxidative phosphorylation by monovalent cations	ARMANDO GOMEZ PUYOU FRANCISCA SANDOVAL ZAPATA ANTONIO CALVIN PEÑA DIAZ et al.	BIOCHEMISTRY	1972
123	An insoluble Ca <sup>2+</sup> -binding factor from rat liver mitochondria	ARMANDO GOMEZ PUYOU de Gomez-Puyou M.T. Becker G. et al.	BIOCHEMICAL AND BIOPHYSICAL RESEARCH COMMUNICATIO NS	1972
124	Dependency of the ATPase and 32P-ATP exchange reaction of mitochondria on K <sup>+</sup> and electron transport	ARMANDO GOMEZ PUYOU FRANCISCA SANDOVAL ZAPATA EDMUNDO CHAVEZ COSIO et al.	ARCHIVES OF BIOCHEMISTRY AND BIOPHYSICS	1972
125	Effect of the pH of the incubation medium on glycolysis and respiration in <i>Saccharomyces cerevisiae</i>	ANTONIO CALVIN PEÑA DIAZ ARMANDO GOMEZ PUYOU Cinco G. et al.	ARCHIVES OF BIOCHEMISTRY AND BIOPHYSICS	1972
126	On the regulation of succinate dehydrogenase in brain mitochondria	EDMUNDO CHAVEZ COSIO ARMANDO GOMEZ PUYOU de Gómez-Puyou M.T. et al.	FEBS LETTERS	1972
127	Dependency of the 2,4-dinitrophenol stimulated ATPase activity on K <sup>+</sup> and respiration	ARMANDO GOMEZ PUYOU FRANCISCA SANDOVAL ZAPATA ANTONIO CALVIN PEÑA DIAZ et al.	BIOCHEMICAL AND BIOPHYSICAL RESEARCH COMMUNICATIO NS	1971

## ARMANDO GOMEZ PUYOU

128	Effect of sodium and potassium ions on mitochondrial oxidative phosphorylation. Studies with arsenate	FRANCISCA SANDOVAL ZAPATA ARMANDO GOMEZ PUYOU ANTONIO CALVIN PEÑA DIAZ et al.	BIOCHEMISTRY	1970
129	The action of cations and anions on the respiration and ATPase activity of submitochondrial particles	ARMANDO GOMEZ PUYOU FRANCISCA SANDOVAL ZAPATA EDMUNDO CHAVEZ COSIO et al.	BIOCHIMICA ET BIOPHYSICA ACTA-BIOENER GETICS	1970
130	On the role of K <sup>+</sup> on oxidative phosphorylation.	ARMANDO GOMEZ PUYOU FRANCISCA SANDOVAL ZAPATA EDMUNDO CHAVEZ COSIO et al.	JOURNAL OF BIOLOGICAL CHEMISTRY	1970
131	K <sup>+</sup> independent action of valinomycin in mitochondria	ARMANDO GOMEZ PUYOU FRANCISCA SANDOVAL ZAPATA EDMUNDO CHAVEZ COSIO et al.	ARCHIVES OF BIOCHEMISTRY AND BIOPHYSICS	1969
132	Studies on the mechanism of the stimulation of glycolysis and respiration by K <sup>+</sup> in <i>Saccharomyces cerevisiae</i>	ANTONIO CALVIN PEÑA DIAZ ARMANDO GOMEZ PUYOU Cinco G. et al.	BIOCHIMICA ET BIOPHYSICA ACTA-BIOENER GETICS	1969
133	Effect of ATP on the oxidation of succinate in rat brain mitochondria.	ARMANDO GOMEZ PUYOU ANTONIO CALVIN PEÑA DIAZ EDMUNDO CHAVEZ COSIO et al.	EUROPEAN JOURNAL OF BIOCHEMISTRY	1969
134	Effect of Na <sup>+</sup> and K <sup>+</sup> on mitochondrial respiratory control, oxygen uptake, and adenosine triphosphatase activity.	ARMANDO GOMEZ PUYOU FRANCISCA SANDOVAL ZAPATA ANTONIO CALVIN PEÑA DIAZ et al.	JOURNAL OF BIOLOGICAL CHEMISTRY	1969
135	Induction of respiratory control by K <sup>+</sup> in mitochondria	ARMANDO GOMEZ PUYOU FRANCISCA SANDOVAL ZAPATA ANTONIO CALVIN PEÑA DIAZ et al.	BIOCHEMICAL AND BIOPHYSICAL RESEARCH COMMUNICATIO NS	1969
136	Regulatory action of ions on some mitochondrial functions.	ARMANDO GOMEZ PUYOU ANTONIO CALVIN PEÑA DIAZ Tuena M.	National Cancer Institute Monograph	1967
137	Effects of externally added sodium and potassium ions on the glycolytic sequence of <i>Saccharomyces cerevisiae</i>	ANTONIO CALVIN PEÑA DIAZ ARMANDO GOMEZ PUYOU Cinco G. et al.	BIOCHIMICA ET BIOPHYSICA ACTA-GENERAL SUBJECTS	1967
138	Studies on the potassium-dependent activation of rat liver mitochondrial adenosinetriphosphatase. H <sup>+</sup> ejection	ARMANDO GOMEZ PUYOU ENRIQUE GIJON GRANADOS Tuena M.	ARCHIVES OF BIOCHEMISTRY AND BIOPHYSICS	1965



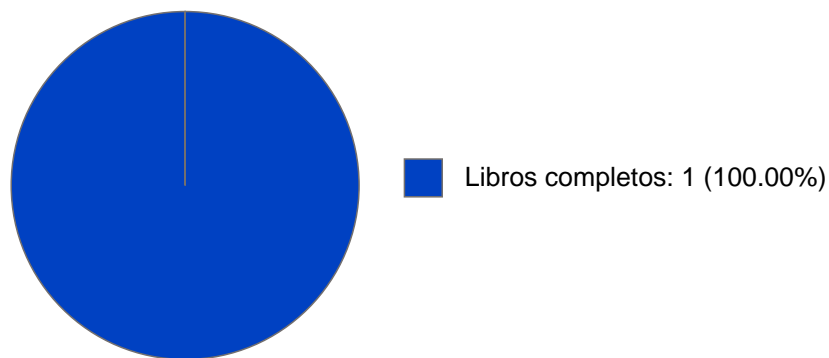
**ARMANDO GOMEZ PUYOU**

139	Metal ion and energy requirements in the triamcinolone-induced swelling of mitochondria	ARMANDO GOMEZ PUYOU Tuena M. Campillo-Serrano C. et al.	ARCHIVES OF BIOCHEMISTRY AND BIOPHYSICS	1965
140	Effect of sodium and potassium on mitochondrial adenosinetriphosphatase activity	ANTONIO CALVIN PEÑA DIAZ ARMANDO GOMEZ PUYOU Campillo-Serrano C. et al.	ARCHIVES OF BIOCHEMISTRY AND BIOPHYSICS	1964
141	The effect of triamcinolone and 2,4-dinitrophenol on the adenosinetriphosphatase activity and the P32-ATP exchange reaction of fresh liver mitochondria	ARMANDO GOMEZ PUYOU ANTONIO CALVIN PEÑA DIAZ Feder W. et al.	ARCHIVES OF BIOCHEMISTRY AND BIOPHYSICS	1964
142	STUDIES ON ADENOSINE TRIPHOSPHATASE AND ADENOSINE TRIPHOSPHATE EXCHANGE	ARMANDO GOMEZ PUYOU TUENA M. PENA DIAZ A. et al.	JOURNAL OF NEUROCHEMISTRY	1964
143	Effect of ions on the glutamic dehydrogenase reaction	ANTONIO CALVIN PEÑA DIAZ ARMANDO GOMEZ PUYOU Guzmán-García J.	ARCHIVES OF BIOCHEMISTRY AND BIOPHYSICS	1963
144	Further studies of the uncoupling action of triamcinolone in rat liver mitochondria	ARMANDO GOMEZ PUYOU ANTONIO CALVIN PEÑA DIAZ Tuena M. et al.	BIOCHEMICAL PHARMACOLOGY	1963
145	Effect of triamcinolone and other steroids on the oxidative phosphorylation reaction	ARMANDO GOMEZ PUYOU Peña-Días A. Guzmán-García J. et al.	BIOCHEMICAL PHARMACOLOGY	1963
146	Effects of steroids on embryonic subjects I. Action of fluorinated glucocorticoids on the carbohydrate, water and electrolyte metabolism in the developing chick embryo	ARMANDO GOMEZ PUYOU ANTONIO CALVIN PEÑA DIAZ Guzmán-García J. et al.	Steroids	1963
147	Effect of diosgenin on cholesterol metabolism.	ARMANDO GOMEZ PUYOU ANTONIO CALVIN PEÑA DIAZ LAGUNA J. et al.	Journal Of Atherosclerosis Research	1962

**ARMANDO GOMEZ PUYOU**

**LIBROS Y CAPITULOS CON ISBN**

**Obras con registro ISBN**



#	Título	Autores	Alcance	Año	ISBN
1	Conociendo las moléculas de la vida: un viaje inesperado	ARMANDO GOMEZ PUYOU	Libro Completo	2019	9786073020367



**Sistema Integral de Información Académica**  
**Coordinación de Planeación, Evaluación y**  
**Simplificación de la Gestión Institucional**  
**Reporte individual**



**ARMANDO GOMEZ PUYOU**

**PARTICIPACIÓN EN PROYECTOS**

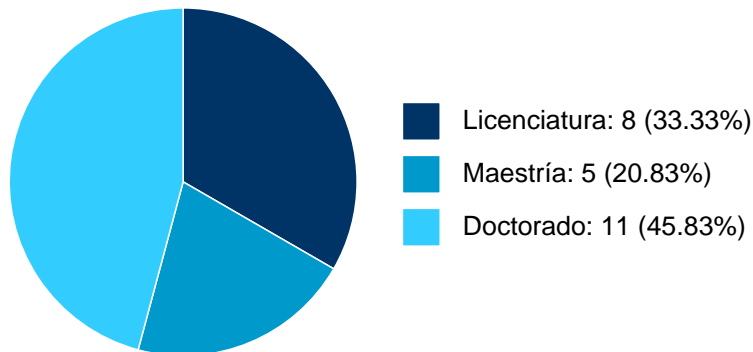
**No se encuentran registros en la base de datos de SISEPRO asociados a:**

**ARMANDO GOMEZ PUYOU**

## ARMANDO GOMEZ PUYOU

### PARTICIPACIÓN EN TESIS

#### Histórico de Colaboraciones en Tesis



#	Título del documento	Tipo de Tesis	Sinodales	Autores	Entidad	Año
1	Diferencias en la estabilidad en la triosafato isomerasa mutante e104d de T. Cruzi y T. Brucei	Tesis de Doctorado	ARMANDO GOMEZ PUYOU,	Aguirre Fuentes, Yolanda,	Instituto de Fisiología Celular,	2014
2	Las interacciones no específicas de las proteínas favorecen su estabilidad y plegamiento : estudios sobre interacciones proteína-proteína y proteína-membranas biológicas	Tesis de Licenciatura	ARMANDO GOMEZ PUYOU,	Fernández Cárdenas, Laura Paulette,	Instituto de Fisiología Celular,	2010
3	La estabilidad y la formacion de proteinas se incrementan por interacciones debiles entre proteinas no relacionadas	Tesis de Doctorado	ARMANDO GOMEZ PUYOU,	Rodríguez Almazán, Claudia,		2007

**ARMANDO GOMEZ PUYOU**

4	Contribucion de las porciones interfacial y no interfacial en la cinetica de formacion del dimero de la triosafosfato isomerasa, evidencia de intercomunicacion dinamica entre monomeros	Tesis de Doctorado	ARMANDO GOMEZ PUYOU,	Zomosa Signoret, Viviana Chantal,	2005
5	Diseño de farmacos antiparasitarios : inactivacion altamente especifica de la triosafosfato isomerasa de Trypanosoma cruzi	Tesis de Doctorado	ARMANDO GOMEZ PUYOU,	Tellez Valencia, Alfredo,	2003
6	Papel del Co <sup>2+</sup> en la regulacion de la fosforilacion oxidativa mitocondrial	Tesis de Doctorado	ARMANDO GOMEZ PUYOU,	Moreno Sanchez, Rafael,	2002
7	Reactividad de la cisteina de la interfase y estabilidad estructural de la triosafosfato isomerasa de Trypanosoma brucei y Trypanosoma cruzi	Tesis de Doctorado	ARMANDO GOMEZ PUYOU,	Reyes Vivas, Horacio,	2001
8	Hidrolisis y liberacion de ATP durante la aceleracion de la catalisis unisitio por la FI-ATPasa mitocondrial : de la trifluoroperazina	Tesis de Doctorado	ARMANDO GOMEZ PUYOU,	García Trejo, José de Jesus,	1997
9	Propiedades funcionales de la F <sub>1</sub> -ATPasa mitocondrial de bovino en presencia de trifluoroperazina	Tesis de Maestría	ARMANDO GOMEZ PUYOU,	García Trejo, José de Jesus,	1995
10	El agua en la renaturalizacion de enzimas. Plegamiento y asociacion de la triosafosfato isomerasa en micelas invertidas	Tesis de Doctorado	ARMANDO GOMEZ PUYOU,	Fernandez Velasco, Daniel Alejandro,	1995

**ARMANDO GOMEZ PUYOU**

11	Características catalíticas y estructurales de la piruvato cinasa en micelas invertidas y en presencia de cosolventes	Tesis de Doctorado	ARMANDO GOMEZ PUYOU,	Ramirez Silva, Leticia Haydee,	1995
12	El agua en la estructura y propiedades de las enzimas : catalisis, estabilidad y renaturalizacion en sistemas de bajo contenido de agua	Tesis de Doctorado	ARMANDO GOMEZ PUYOU,	Garza Ramos Martinez, Georgina Regina,	1994
13	Catalisis, estabilidad y termoestabilidad enzimatica en relacion al diagrama de fases de un sistema de micelas invertidas	Tesis de Maestría	ARMANDO GOMEZ PUYOU,	Fernandez Velasco, Daniel Alejandro,	1993
14	Estudio del comportamiento de una enzima tetramérica (LDH-M4) en sistemas con bajo y alto contenido de agua	Tesis de Licenciatura	ARMANDO GOMEZ PUYOU,	Mejia Guerrero, Salvador,	1993
15	Efecto de los piridin nucleotidos sobre la hidrolisis y la sintesis de ATP en F1 mitocondrial particulada y soluble	Tesis de Maestría	ARMANDO GOMEZ PUYOU,	Baizabal Aguirre, Victor Manuel,	1990
16	Asimetria en las reacciones de sintesis e hidrolisis de la atpasa mitocondrial, y su análisis a traves del inhibidor direncial trifenilestano (TPHSn)	Tesis de Licenciatura	ARMANDO GOMEZ PUYOU,	Frenk Mora, Silvia Elena,	1988
17	Utilizacion de solventes organicos para la extraccion de proteinas de membrana. Estudio de termo estabilidad en el solvente	Tesis de Maestría	ARMANDO GOMEZ PUYOU,	Ayala Aguilar, Guadalupe,	1987

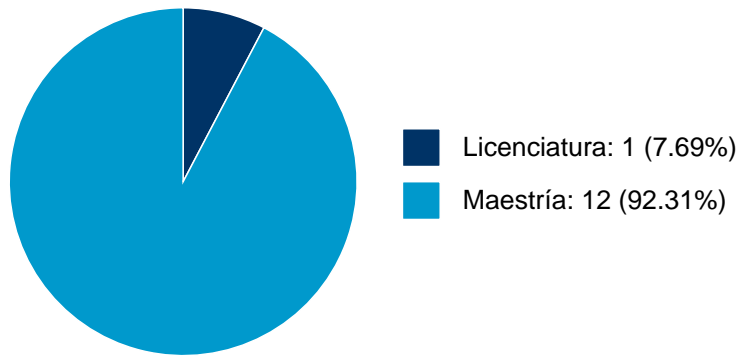
**ARMANDO GOMEZ PUYOU**

18	Influencia del ATP sintetizado en la F1-ATPasa mitocondrial soluble sobre algunas características catalíticas y estructurales de la enzima	Tesis de Licenciatura	ARMANDO GOMEZ PUYOU,	Silva Herzog Marquez, Eugenia Luisa,	1986
19	Influencia del ATP sintetizado en la Fi-ATPasa mitocondrial soluble sobre algunas características catalíticas y estructurales de la enzima	Tesis de Licenciatura	ARMANDO GOMEZ PUYOU,	Silva Herzog Marquez, Eugenia Luisa,	1986
20	El sitio I de la cadena oxidativa mitocondrial (Segmento NADH-Co q)	Tesis de Doctorado	ARMANDO GOMEZ PUYOU,	Cárabez Trejo, A.,	1985
21	Sobre dos componentes de la fisiología mitocondrial : El complejo de la NADH deshidrogenasa y la ATP sintetasa	Tesis de Maestría	ARMANDO GOMEZ PUYOU,	Gavilanes Ruiz, Marina,	1982
22	Efecto del sodio sobre el transporte de Calcio soportado por hidrólisis de ATP en mitocondrias de corazon de rata	Tesis de Licenciatura	ARMANDO GOMEZ PUYOU,	Moreno Sanchez, Rafael,	1981
23	Aislamiento de una proteina cuya probable funcion sea transportar potasio al interior de una celula	Tesis de Licenciatura	ARMANDO GOMEZ PUYOU,	Klanner Fuerte, Julio Carlos,	1977
24	Estudio de la fijacion de ADP en membranas mitocondriales de higado de rata	Tesis de Licenciatura	ARMANDO GOMEZ PUYOU,	Gonzalez Moreno, Sergio,	1974

**ARMANDO GOMEZ PUYOU**

**DOCENCIA IMPARTIDA**

**Histórico de docencia**



#	Nivel titulación	Asignatura	Entidad	Alumnos	Semestre
1	Maestría	TRABAJO DE INVESTIGACION II	Facultad de Química	1	2014-1
2	Maestría	TRABAJO DE INVESTIGACION III	Facultad de Química	1	2012-2
3	Maestría	TRABAJO DE INVESTIGACION II	Facultad de Química	1	2012-1
4	Maestría	TRABAJO DE INVESTIGACION III	Facultad de Química	1	2011-1
5	Maestría	TRABAJO DE INVESTIGACION III	Facultad de Química	1	2011-1
6	Maestría	TRABAJO DE INVESTIGACION II	Facultad de Química	1	2010-2
7	Maestría	TRABAJO DE INVESTIGACION II	Facultad de Química	1	2010-2
8	Maestría	TRABAJO DE INVESTIGACION II	Facultad de Química	1	2009-2
9	Maestría	TRABAJO DE INVESTIGACION III	Facultad de Química	1	2009-2
10	Licenciatura	TRABAJO DE INVESTIGACION 7	Facultad de Medicina	1	2009-1
11	Maestría	TRABAJO DE INVESTIGACION III	Facultad de Química	1	2008-1
12	Maestría	SEMINARIO DE INVESTIGACION IV	Facultad de Química	1	2008-1
13	Maestría	SEMINARIO DE INVESTIGACION IV	Facultad de Química	1	2008-1





**Sistema Integral de Información Académica**  
**Coordinación de Planeación, Evaluación y**  
**Simplificación de la Gestión Institucional**  
**Reporte individual**



**ARMANDO GOMEZ PUYOU**

**TUTORIAS EN POSGRADO**

**No se encuentran registros en la base de datos de SIIPosgrado asociados a:**

**ARMANDO GOMEZ PUYOU**



**Sistema Integral de Información Académica**  
**Coordinación de Planeación, Evaluación y**  
**Simplificación de la Gestión Institucional**  
**Reporte individual**



**ARMANDO GOMEZ PUYOU**

**PATENTES**

#	Título	Inventores	Sección	Año
1	DERIVADOS DE 6-QUINOXALINAMINA COMO INHIBIDORES DE LANEURAMINIDASA DEL VIRUS DE LA INFLUENZA A (H1N1).	ARMANDO GOMEZ PUYOU, ALFREDO TORRES LARIOS,	CHEMISTRY; METALLURGYHUMAN NECESSITIES	2016

**ARMANDO GOMEZ PUYOU**

**FUENTES DE INFORMACIÓN**

**Internos**

#	Información	Fuente	Sistema	Periodo
1	Grupos ordinarios y resumen de historias académicas	DGAE	SIAE	2008-2024
2	Nombramientos, datos generales, estímulos, premios y reconocimientos	DGAPA	RUPA	2008-2024
3	Producción Académica	CH	Humanindex	2008-2021
4	Producción Académica	CIC	SCIC	2000-2017
5	Proyectos	DGPO	SISEPRO	2018-2022
6	Tesis	DGB	TESIUNAM	2008-2024
7	Tutorías en Posgrado	CGEP	SIIPosgrado	2008-2021

**Externos**

#	Información	Fuente	Sistema	Periodo
8	Documentos Indexados	Elsevier	Scopus	2008-2024
9	Documentos Indexados	Thomson Reuters	WoS	2008-2024
10	Obras con registro ISBN	INDAUTOR	Agencia ISBN	2008-2024
11	Patentes	IMPI	SIGA	2008-2024