

Publication List: Dr. Alfredo González-Pérez

2018

76-“Functional Channel Membranes for Drinking Water Production”

Water 10, 7 (2018) 859

Alfredo Gonzalez-Perez, Kenneth M. Persson, Frank Lipnizki

75-“ Structural stability of SoPIP2;1 aquaporin under reconstitution in polymersomes”

Journal of Molecular Liquids 257 (2018) 26–31

Alfredo Gonzalez-Perez, Kenneth M Persson, Pablo Taboada

74-“Semiconductor Eco-materials for water treatment”

Book chapter in Handbook of Ecomaterials, L.M.T. Martínez et al. (eds.), Springer (2018)

Alfredo Gonzalez-Perez, Kenneth M Persson, Lars Samuelson

2017

73- “Reply to “Comment on ‘Penetration of Action Potentials During Collision in the Median and Lateral Giant Axons of Invertebrates’””

Phys. Rev. X 7 (2017) 028002

Tian Wang, Alfredo Gonzalez-Perez, Rima Budvytyte, Andrew D. Jackson, and Thomas Heimburg

2016

72-“Polymersomes mimic biofilms fractal growth”

Journal of Polymer Research 23 (2016) 195

Alfredo Gonzalez-Perez, Kasper Feld and Juan M Ruso

71-“Solitary electromechanical pulses in Lobster neurons”

Biophysical Chemistry 216 (2016) 51-59

Alfredo Gonzalez-Perez, Lars D. Mosgaard, Rima Budvytyte, Edgar Villagran-Vargas, Andrew D. Jackson, and Thomas Heimburg

70-“Bioinspired materials for water purification”

Materials 9, 6 (2016) 447

Alfredo Gonzalez-Perez and Kenneth M. Persson

2014

69-“Penetration of action potentials during collision in the median and lateral giant axons of invertebrates”

Physical Review X 4 (2014) 031047

Alfredo Gonzalez-Perez, Rima Budvytyte, Lars D. Mosgaard, Søren Nissen, and Thomas Heimborg

68-”Reversible DNA Compaction”

Current Topics in Medicinal Chemistry 14, 6 (2014) 766-773

Alfredo González-Pérez

2013

67-“A versatile approach towards compaction, decompaction and immobilization of DNA at interfaces using cyclodextrins”

ChemPhysChem 14 (2013) 2544-2553.

Alfredo González-Pérez and Juan M. Russo

66- Chapter 13 “ Proteins and peptides in biomimetic polymeric membranes” in Proteins in Solution and at Interfaces: Methods and Applications in Biotechnology and Materials Science (2013) Edited by Juan M. Russo and Angel Pineiro, Wiley Series on Surface and Interface Science.

Alfredo González-Pérez

65- “Changes in self-assemblies induced by temperature, concentration and light”

Frontiers in Bioscience, Scholar, 5, January 1, (2013) 611-630.

Alfredo González-Pérez and Margarita Sanchez-Dominguez

2012

64-“Characterization of Fluorinated Catansomes: A Promising Vector in Drug-Delivery”

Langmuir 28 (2012) 2773-2781.

Kadla R. Roshholm, Ahmad Arouri, Per L. Hansen, Alfredo González-Pérez and Ole G. Mouritsen

2011

63-“Self-assembling Drugs: A new Therapeutic Strategy”

Soft Matter 7 (2011) 5194-5199. [Top 10 most read in May 2011]

Natalia Hassan, Juan M. Russo and Alfredo González-Pérez

62- "Biomimetic Triblock Copolymer Membranes: From aqueous solutions to solid supports"

Soft Matter 7 (3) (2011) 1129-1138. [Top 10 most read in December 2010]

Alfredo González-Pérez, Valeria Castelletto, Ian W. Hamley, Pablo Taboada

2010

61- "DNA-MetafecteneTM Pro complexation: A physical chemistry study"

Phys. Chem. Chem. Phys., 12 (2010) 7464-7472

Manuel Alatorre-Meda, Alfredo González-Pérez, Julio R. Rodríguez

60- "β-Cyclodextrin in DNA decompaction: An imaging approach"

Frontiers in Bioscience E2 (2010) 684-693

Alfredo González-Pérez

59- "Temperature Dependence of Micellar Sphere-to-Rod Transition Using adiabatic compressibility"

Colloids and Surfaces A 356 (2010) 48-88

Alfredo González-Pérez and Juan M Russo

58- "Release of DNA from surfactant complexes induced by 2-hydroxypropyl-β-cyclodextrin"

International Journal of Biological Macromolecules 46 (2010) 153-158

Jonas Carlsted, Alfredo González-Pérez, Manuel Alatorre-Meda, Rita S. Dias, Björn Lindman

57- "Cyclodextrins in DNA decompaction"

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Alfredo González-Pérez, Jonas Carlsted, Rita S. Dias, Björn Lindman

56-“Self-assembly based on hydrotropic counterion—single-chain amphiphile ion pairs”

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Kadla R. Rosholm, Alfredo González-Pérez and Ole G. Mouritsen

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55-“Biomimetic Triblock Copolymer Membrane Arrays: A Stable Template for Functional Membrane Proteins”

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Alfredo González-Pérez, Karin B. Stibius, Thomas Vissing, Claus H. Nielsen, Ole G. Mouritsen

54-“Different strategies for controlling DNA conformation: Compaction and decompaction”

Frontiers in Bioscience E1, 1 (2009) 228-241 [**Review**]

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2008

53-“Temperature induced DNA compaction in a nonionic lamellar phase”

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Alfredo González-Pérez, Sanja Bulut, Ulf Olsson, Björn Lindman

52.”Cryo-Fracture TEM: direct imaging of viscous samples”

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51-“Cyclodextrin-surfactant complex: A new route in DNA decompaction”

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50-“Cryo-Fracture TEM: Direct Imaging of a Random Mesh Phase”

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49-“Novel polymerizable surfactants from the 1:1 mixtures of alkylcarboxylic acids and norbornene methylenamine”

Langmuir 23 (2007) 7526-7530.

Romain Bordes, Khalid Rbii, Alfredo González-Pérez, Sophie Franceschi-Messant, Emile Perez,
Isabelle Rico-Lattes

48- “Isolated Fluid Polyhedral Vesicles”

Journal of the American Chemical Society 129 (2007) 756-757.

Alfredo González-Pérez, Marc Schmutz, Gilles Waton, María J. Romero, Marie Pierre Krafft

47-“Solubilization of Butanol/Pentanol/Hexanol in dodecylpyridinium chloride”

Journal of Thermal Analysis and Calorimetry 87 (2007) 159-163.

J. J. Galán, J.L. Del Castillo, A. González-Pérez, V. Fuentes-Vázquez, J. R. Rodríguez

46-“Experimental Evidence for a Surface Concentration-Dependent Mechanism of Formation of Hemimicelles in Langmuir Monolayers of Semi-Fluorinated Alkanes”

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Alfredo González-Pérez, Christophe Contal, Marie Pierre Krafft

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Langmuir 22 (2006) 8730-8717

Alexander N. Semenov, Alfredo González-Pérez, Marie Pierre Krafft, Jean-François Legrand

44-“Volumetric properties of sodium perfluoroalkylcarboxylates in aqueous solutions at different temperatures”

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Alfredo González-Pérez, Juan M. Ruso, Elena Blanco, María J. Romero, Gerardo Prieto,

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Pablo C. Schulz, Félix Sarmiento

39-“Sphere to rod transitions in homologous alkylpyridinium salts. A stauff-Klevens type equation for the second critical micelle concentration”

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Langmuir 20 (2004) 8476-8481

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33-“Self-assembly of sodium heptafluorobutyrate in aqueous solution”

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32-“Study of the interactions between lysozyme and sodium octanoate in aqueous solutions”

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27-“Micellar properties of tetradecyltrimethylammonium nitrate in aqueous solutions at various temperatures and in water-benzyl alcohol mixtures at 25 °C”

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26-“Temperature dependence of second micelle concentration of dodecyldimethylbenzylammonium bromide in aqueous solutions”

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Journal of Solution Chemistry 32, 10 (2003) 919-927.

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Journal of Chemical Engineering Data 48, 6 (2003) 1597-1602

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16-“Thermodynamics of self-assembly of sodium octanoate. Comparison with a fully fluorinated counterpart”

Molecular Physics 101, 21 (2003) 3185-3195

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