

Gerard Oncins

List of Publications by Year in descending order

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Version: 2024-02-01

23
papers

1,356
citations

471509

17
h-index

713466

21
g-index

23
all docs

23
docs citations

23
times ranked

1954
citing authors

#	ARTICLE	IF	CITATIONS
1	Force measurements on natural membrane nanovesicles reveal a composition-independent, high Young's modulus. <i>Nanoscale</i> , 2014, 6, 2275.	5.6	61
2	Optimized immobilization of lectins using self-assembled monolayers on polysilicon encoded materials for cell tagging. <i>Colloids and Surfaces B: Biointerfaces</i> , 2014, 116, 104-113.	5.0	16
3	Bioactive nanomembranes of semiconductor polythiophene and thermoplastic polyurethane: thermal, nanostructural and nanomechanical properties. <i>Polymer Chemistry</i> , 2013, 4, 568-583.	3.9	29
4	Physico-chemical and mechanical properties of microencapsulated phase change material. <i>Applied Energy</i> , 2013, 109, 441-448.	10.1	71
5	Structure vs. properties " chirality, optics and shapes " in amphiphilic porphyrin J-aggregates. <i>Journal of Materials Chemistry C</i> , 2013, 1, 3337.	5.5	72
6	Incorporation of Ubiquinone in Supported Lipid Bilayers on ITO. <i>Journal of Physical Chemistry B</i> , 2013, 117, 7498-7506.	2.6	24
7	Force Spectroscopy Reveals the Effect of Different Ions in the Nanomechanical Behavior of Phospholipid Model Membranes: The Case of Potassium Cation. <i>Biophysical Journal</i> , 2012, 102, 66-74.	0.5	43
8	Lightweight biocompatible physical sensors: Polymeric films “self-metallized” with organic molecular conductors. , 2011, , .		2
9	Nanotribology Results Show that DNA Forms a Mechanically Resistant 2D Network in Metaphase Chromatin Plates. <i>Biophysical Journal</i> , 2010, 99, 3951-3958.	0.5	13
10	Nanomechanics of Lipid Bilayers: Heads or Tails?. <i>Journal of the American Chemical Society</i> , 2010, 132, 12874-12886.	13.7	135
11	Reversible Mechanical Induction of Optical Activity in Solutions of Soft Matter Nanophases. <i>Chemistry - an Asian Journal</i> , 2009, 4, 1687-1696.	3.3	34
12	Nanomechanical Characterization of Phospholipid Bilayer Islands on Flat and Porous Substrates: A Force Spectroscopy Study. <i>Journal of Physical Chemistry B</i> , 2009, 113, 10339-10347.	2.6	28
13	Phase Changes in Supported Planar Bilayers of 1-Palmitoyl-2-oleoyl- <i>sn</i> -glycero-3-phosphoethanolamine. <i>Journal of Physical Chemistry B</i> , 2008, 112, 10181-10187.	2.6	17
14	Nanomechanical Properties of Arachidic Acid Langmuir-Blodgett Films. <i>Journal of Physical Chemistry C</i> , 2008, 112, 1967-1974.	3.1	13
15	Mechanical properties of alkanethiol monolayers studied by force spectroscopy. <i>Journal of Chemical Physics</i> , 2008, 128, 044701.	3.0	22
16	Growth and Structure of Water on SiO ₂ Films on Si Investigated by Kelvin Probe Microscopy and in Situ X-ray Spectroscopies. <i>Langmuir</i> , 2007, 23, 9699-9703.	3.5	157
17	Thermal Response of Langmuir-Blodgett Films of Dipalmitoylphosphatidylcholine Studied by Atomic Force Microscopy and Force Spectroscopy. <i>Biophysical Journal</i> , 2007, 93, 2713-2725.	0.5	38
18	Nanotribological Properties of Alkanephosphonic Acid Self-Assembled Monolayers on Aluminum Oxide: Effects of Fluorination and Substrate Crystallinity. <i>Langmuir</i> , 2006, 22, 3988-3998.	3.5	83

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19	Effect of pH and ionic strength on phospholipid nanomechanics and on deposition process onto hydrophilic surfaces measured by AFM. <i>Electrochimica Acta</i> , 2006, 51, 5029-5036.	5.2	79
20	Nanomechanical properties of supported lipid bilayers studied by force spectroscopy. , 2006, , .		1
21	Study of Frictional Properties of a Phospholipid Bilayer in a Liquid Environment with Lateral Force Microscopy as a Function of NaCl Concentration. <i>Langmuir</i> , 2005, 21, 7373-7379.	3.5	53
22	Effect of Ion-Binding and Chemical Phospholipid Structure on the Nanomechanics of Lipid Bilayers Studied by Force Spectroscopy. <i>Biophysical Journal</i> , 2005, 89, 1812-1826.	0.5	208
23	Effect of Temperature on the Nanomechanics of Lipid Bilayers Studied by Force Spectroscopy. <i>Biophysical Journal</i> , 2005, 89, 4261-4274.	0.5	157