

Gerard Oncins

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/6222024/publications.pdf>

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 | 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 |
| 2 | Effect of Temperature on the Nanomechanics of Lipid Bilayers Studied by Force Spectroscopy. <i>Biophysical Journal</i> , 2005, 89, 4261-4274. | 0.5 | 157 |
| 3 | 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 |
| 4 | Nanomechanics of Lipid Bilayers: Heads or Tails?. <i>Journal of the American Chemical Society</i> , 2010, 132, 12874-12886. | 13.7 | 135 |
| 5 | Nanotribological Properties of Alkanephosphonic Acid Self-Assembled Monolayers on Aluminum Oxide: A Effects of Fluorination and Substrate Crystallinity. <i>Langmuir</i> , 2006, 22, 3988-3998. | 3.5 | 83 |
| 6 | 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 |
| 7 | 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 |
| 8 | Physico-chemical and mechanical properties of microencapsulated phase change material. <i>Applied Energy</i> , 2013, 109, 441-448. | 10.1 | 71 |
| 9 | Force measurements on natural membrane nanovesicles reveal a composition-independent, high Young's modulus. <i>Nanoscale</i> , 2014, 6, 2275. | 5.6 | 61 |
| 10 | 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 |
| 11 | 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 |
| 12 | 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 |
| 13 | 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 |
| 14 | Bioactive nanomembranes of semiconductor polythiophene and thermoplastic polyurethane: thermal, nanostructural and nanomechanical properties. <i>Polymer Chemistry</i> , 2013, 4, 568-583. | 3.9 | 29 |
| 15 | 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 |
| 16 | Incorporation of Ubiquinone in Supported Lipid Bilayers on ITO. <i>Journal of Physical Chemistry B</i> , 2013, 117, 7498-7506. | 2.6 | 24 |
| 17 | Mechanical properties of alkanethiol monolayers studied by force spectroscopy. <i>Journal of Chemical Physics</i> , 2008, 128, 044701. | 3.0 | 22 |
| 18 | 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 |

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 19 | Optimized immobilization of lectins using self-assembled monolayers on polysilicon encoded materials for cell tagging. Colloids and Surfaces B: Biointerfaces, 2014, 116, 104-113. | 5.0 | 16 |
| 20 | Nanomechanical Properties of Arachidic Acid Langmuir-Blodgett Films. Journal of Physical Chemistry C, 2008, 112, 1967-1974. | 3.1 | 13 |
| 21 | Nanotribology Results Show that DNA Forms a Mechanically Resistant 2D Network in Metaphase Chromatin Plates. Biophysical Journal, 2010, 99, 3951-3958. | 0.5 | 13 |
| 22 | Lightweight biocompatible physical sensors: Polymeric films & self-metallized; with organic molecular conductors. , 2011, , . | | 2 |
| 23 | Nanomechanical properties of supported lipid bilayers studied by force spectroscopy. , 2006, , . | | 1 |