

Orlando M Cabarcos

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/8746261/publications.pdf>

Version: 2024-02-01

21
papers

1,435
citations

516710

16
h-index

794594

19
g-index

21
all docs

21
docs citations

21
times ranked

1476
citing authors

#	ARTICLE	IF	CITATIONS
1	Size selectivity by cation- π interactions: Solvation of K^+ and Na^+ by benzene and water. <i>Journal of Chemical Physics</i> , 1999, 110, 8429-8435.	3.0	214
2	Microscopic hydration of the fluoride anion. <i>Journal of Chemical Physics</i> , 1999, 110, 5-8.	3.0	192
3	The Dynamics of Noble Metal Atom Penetration through Methoxy-Terminated Alkanethiolate Monolayers. <i>Journal of the American Chemical Society</i> , 2004, 126, 3954-3963.	13.7	163
4	Competitive solvation of K^+ by benzene and water: Cation- π interactions and π -hydrogen bonds. <i>Journal of Chemical Physics</i> , 1998, 108, 5151-5154.	3.0	154
5	Reversible Bistable Switching in Nanoscale Thiol-Substituted Oligoaniline Molecular Junctions. <i>Nano Letters</i> , 2005, 5, 2365-2372.	9.1	108
6	Molecular Self-Assembly at Bare Semiconductor Surfaces: Characterization of a Homologous Series of n -Alkanethiolate Monolayers on GaAs(001). <i>ACS Nano</i> , 2007, 1, 30-49.	14.6	79
7	The solvation of chloride by methanol- π surface versus interior cluster ion states. <i>Journal of Chemical Physics</i> , 1999, 110, 9516-9526.	3.0	77
8	Self-Assembly, Characterization, and Chemical Stability of Isocyanide-Bound Molecular Wire Monolayers on Gold and Palladium Surfaces. <i>Langmuir</i> , 2005, 21, 11061-11070.	3.5	73
9	Physical and Electronic Structure Effects of Embedded Dipoles in Self-Assembled Monolayers: Characterization of Mid-Chain Ester Functionalized Alkanethiols on Au{111}. <i>Journal of Physical Chemistry C</i> , 2008, 112, 10842-10854.	3.1	61
10	Controlling Gold Atom Penetration through Alkanethiolate Self-Assembled Monolayers on Au{111} by Adjusting Terminal Group Intermolecular Interactions. <i>Journal of the American Chemical Society</i> , 2006, 128, 13710-13719.	13.7	60
11	Crossed-Nanowire Molecular Junctions: A New Multispectroscopy Platform for Conduction-Structure Correlations. <i>Nano Letters</i> , 2010, 10, 2897-2902.	9.1	51
12	Modeling Internal Energy Distributions in Ion Clusters: A Comparison between Experiment and Simulations. <i>Journal of Physical Chemistry A</i> , 1999, 103, 8777-8791.	2.5	48
13	Effects of Embedded Dipole Layers on Electrostatic Properties of Alkanethiolate Self-Assembled Monolayers. <i>Journal of Physical Chemistry C</i> , 2017, 121, 15815-15830.	3.1	45
14	Correlation of temperature response and structure of annealed VO _x thin films for IR detector applications. <i>Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films</i> , 2009, 27, 956-961.	2.1	25
15	Selective ion solvation in mixed solvents: Vibrational spectroscopy of Cs+[(CH ₃) ₂ CO]N(CH ₃ OH) _M cluster ions. <i>Journal of Chemical Physics</i> , 1994, 100, 4790-4796.	3.0	23
16	Nascent Metal Atom Condensation in Self-Assembled Monolayer Matrices: Coverage-Driven Morphology Transitions from Buried Adlayers to Electrically Active Metal Atom Nanofilaments to Overlayer Clusters during Aluminum Atom Deposition on Alkanethiolate/Gold Monolayers. <i>Journal of the American Chemical Society</i> , 2009, 131, 8016-8029.	13.7	19
17	Solvation of ions in the gas-phase: a molecular dynamics simulation. <i>Chemical Physics Letters</i> , 1996, 257, 265-272.	2.6	14
18	Process-structure-property correlations in pulsed dc reactive magnetron sputtered vanadium oxide thin films. <i>Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films</i> , 2011, 29, .	2.1	12

#	ARTICLE	IF	CITATIONS
19	Molecular dynamics simulation of gas phase ion cluster formation. International Journal of Mass Spectrometry, 1999, 185-187, 883-903.	1.5	9
20	Comparison of ion beam and magnetron sputtered vanadium oxide thin films for uncooled IR imaging. , 2011, , .		8
21	Direct In-junction Characterization of Molecular Switching Devices Based on Self-Assembled Monolayer Embedded in Nanowire Junction. , 2007, , .		0