

Orlando M Cabarcos

List of Publications by Year in descending order

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21
papers

1,435
citations

516710

16
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794594

19
g-index

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21
docs citations

21
times ranked

1476
citing authors

#	ARTICLE	IF	CITATIONS
1	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
2	Comparison of ion beam and magnetron sputtered vanadium oxide thin films for uncooled IR imaging. , 2011, , .		8
3	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
4	Crossed-Nanowire Molecular Junctions: A New Multispectroscopy Platform for Conduction~Structure Correlations. <i>Nano Letters</i> , 2010, 10, 2897-2902.	9.1	51
5	Correlation of temperature response and structure of annealed VOx 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
6	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
7	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
8	Direct In-junction Characterization of Molecular Switching Devices Based on Self-Assembled Monolayer Embedded in Nanowire Junction. , 2007, , .		0
9	Molecular Self-Assembly at Bare Semiconductor Surfaces: Characterization of a Homologous Series of <i>n</i> -Alkanethiolate Monolayers on GaAs(001). <i>ACS Nano</i> , 2007, 1, 30-49.	14.6	79
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	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
12	Reversible Bistable Switching in Nanoscale Thiol-Substituted Oligoaniline Molecular Junctions. <i>Nano Letters</i> , 2005, 5, 2365-2372.	9.1	108
13	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
14	Microscopic hydration of the fluoride anion. <i>Journal of Chemical Physics</i> , 1999, 110, 5-8.	3.0	192
15	The solvation of chloride by methanol~surface versus interior cluster ion states. <i>Journal of Chemical Physics</i> , 1999, 110, 9516-9526.	3.0	77
16	Molecular dynamics simulation of gas phase ion cluster formation. <i>International Journal of Mass Spectrometry</i> , 1999, 185-187, 883-903.	1.5	9
17	Size selectivity by cation~ interactions: Solvation of K+ and Na+ by benzene and water. <i>Journal of Chemical Physics</i> , 1999, 110, 8429-8435.	3.0	214
18	Modeling Internal Energy Distributions in Ion Clusters:~ Comparison between Experiment and Simulations. <i>Journal of Physical Chemistry A</i> , 1999, 103, 8777-8791.	2.5	48

#	ARTICLE	IF	CITATIONS
19	Competitive solvation of K ⁺ by benzene and water: Cation-π interactions and π-hydrogen bonds. Journal of Chemical Physics, 1998, 108, 5151-5154.	3.0	154
20	Solvation of ions in the gas-phase: a molecular dynamics simulation. Chemical Physics Letters, 1996, 257, 265-272.	2.6	14
21	Selective ion solvation in mixed solvents: Vibrational spectroscopy of Cs ⁺ [(CH ₃) ₂ CO]N(CH ₃ OH) _M cluster ions. Journal of Chemical Physics, 1994, 100, 4790-4796.	3.0	23