

Roger L York

List of Publications by Year in descending order

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19
papers

1,145
citations

516710

16
h-index

794594

19
g-index

19
all docs

19
docs citations

19
times ranked

1658
citing authors

#	ARTICLE	IF	CITATIONS
1	In Situ Adsorption Studies of a 14-Amino Acid Leucine-Lysine Peptide onto Hydrophobic Polystyrene and Hydrophilic Silica Surfaces Using Quartz Crystal Microbalance, Atomic Force Microscopy, and Sum Frequency Generation Vibrational Spectroscopy. <i>Journal of the American Chemical Society</i> , 2006, 128, 3598-3607.	13.7	198
2	The evolution of model catalytic systems; studies of structure, bonding and dynamics from single crystal metal surfaces to nanoparticles, and from low pressure ($<10^{-3}$ Torr) to high pressure ($>10^{-3}$ Torr) to liquid interfaces. <i>Physical Chemistry Chemical Physics</i> , 2007, 9, 3500-3513.	2.8	152
3	Core-Shell Hydrogel Microcapsules for Improved Islets Encapsulation. <i>Advanced Healthcare Materials</i> , 2013, 2, 667-672.	7.6	141
4	Materials for Diabetes Therapeutics. <i>Advanced Healthcare Materials</i> , 2012, 1, 267-284.	7.6	130
5	Side Chain, Chain Length, and Sequence Effects on Amphiphilic Peptide Adsorption at Hydrophobic and Hydrophilic Surfaces Studied by Sum-Frequency Generation Vibrational Spectroscopy and Quartz Crystal Microbalance. <i>Journal of Physical Chemistry C</i> , 2007, 111, 255-261.	3.1	95
6	Long-Range Electron Transfer through Monolayers and Bilayers of Alkanethiols in Electrochemically Controlled Hg-Hg Tunneling Junctions. <i>Journal of the American Chemical Society</i> , 2003, 125, 5948-5953.	13.7	89
7	Influence of Ionic Strength on the Adsorption of a Model Peptide on Hydrophilic Silica and Hydrophobic Polystyrene Surfaces: Insight from SFG Vibrational Spectroscopy. <i>Journal of Physical Chemistry C</i> , 2007, 111, 8866-8871.	3.1	50
8	An SFG Study of Interfacial Amino Acids at the Hydrophilic SiO ₂ and Hydrophobic Deuterated Polystyrene Surfaces. <i>Journal of the American Chemical Society</i> , 2011, 133, 6243-6253.	13.7	46
9	An Investigation of the Influence of Chain Length on the Interfacial Ordering of Lysine and Proline and Their Homopeptides at Hydrophobic and Hydrophilic Interfaces Studied by Sum Frequency Generation and Quartz Crystal Microbalance. <i>Langmuir</i> , 2009, 25, 9369-9374.	3.5	34
10	Peptides Adsorbed on Hydrophobic Surfaces: A Sum Frequency Generation Vibrational Spectroscopy and Modeling Study. <i>Israel Journal of Chemistry</i> , 2007, 47, 51-58.	2.3	33
11	Sum Frequency Generation Vibrational Spectra: The Influence of Experimental Geometry for an Absorptive Medium or Media. <i>Journal of Physical Chemistry A</i> , 2009, 113, 2768-2774.	2.5	32
12	Using surfaces to modulate the morphology and structure of attached cells – a case of cancer cells on chitosan membranes. <i>Chemical Science</i> , 2013, 4, 3058.	7.4	30
13	Infochemistry: Encoding Information as Optical Pulses Using Droplets in a Microfluidic Device. <i>Journal of the American Chemical Society</i> , 2009, 131, 12420-12429.	13.7	27
14	Tunneling conductivity of one- and two-component alkanethiol bilayers in Hg-Hg junctions. <i>Journal of Electroanalytical Chemistry</i> , 2003, 550-551, 327-336.	3.8	22
15	A New Optical Parametric Amplifier Based on Lithium Thioindate Used for Sum Frequency Generation Vibrational Spectroscopic Studies of the Amide I Mode of an Interfacial Model Peptide. <i>Applied Spectroscopy</i> , 2008, 62, 937-940.	2.2	22
16	Directions in peptide interfacial science. <i>Biointerphases</i> , 2006, 1, P5-P11.	1.6	18
17	Dead zones in porous catalysts: Concentration profiles and efficiency factors. <i>Catalysis Today</i> , 2011, 160, 204-212.	4.4	12
18	Electrical resistivity of monolayers and bilayers of alkanethiols in tunnel junction with gate electrode. <i>Chemical Physics</i> , 2005, 319, 235-242.	1.9	10

#	ARTICLE	IF	CITATIONS
19	Cell Delivery: Core-Shell Hydrogel Microcapsules for Improved Islets Encapsulation (Adv. Healthcare) Tj ETQq1 1.0784314	7.6	4rgBT /Over