

# Michael T L Casford

## List of Publications by Year in descending order

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31  
papers

681  
citations

567281

15  
h-index

552781

26  
g-index

31  
all docs

31  
docs citations

31  
times ranked

1134  
citing authors

#	ARTICLE	IF	CITATIONS
1	The Effect of Water on Quinone Redox Mediators in Nonaqueous Li-O <sub>2</sub> Batteries. <i>Journal of the American Chemical Society</i> , 2018, 140, 1428-1437.	13.7	88
2	Comparative Adsorption of Saturated and Unsaturated Fatty Acids at the Iron Oxide/Oil Interface. <i>Langmuir</i> , 2016, 32, 534-540.	3.5	79
3	Hexadecylamine Adsorption at the Iron Oxide/Oil Interface. <i>Langmuir</i> , 2013, 29, 13735-13742.	3.5	60
4	Mechanistic Insights into the Challenges of Cycling a Nonaqueous Na-O <sub>2</sub> Battery. <i>Journal of Physical Chemistry Letters</i> , 2016, 7, 4841-4846.	4.6	58
5	Cation Bridging Studied by Specular Neutron Reflection. <i>Langmuir</i> , 2013, 29, 5520-5527.	3.5	53
6	In-situ Switching from Barrier-Limited to Ohmic Anodes for Efficient Organic Optoelectronics. <i>Advanced Functional Materials</i> , 2014, 24, 3051-3058.	14.9	33
7	Spectral Analysis and Deconvolution of the Amide I Band of Proteins Presenting with High-Frequency Noise and Baseline Shifts. <i>Applied Spectroscopy</i> , 2020, 74, 597-615.	2.2	31
8	Study of the Coadsorption of an Anionic Surfactant and an Uncharged Polymer at the Aqueous Solution/Hydrophobic Surface Interface by Sum Frequency Spectroscopy. <i>Langmuir</i> , 2003, 19, 7386-7391.	3.5	29
9	Structure of Mixed Phosphatidylethanolamine and Cholesterol Monolayers in a Supported Hybrid Bilayer Membrane Studied by Sum Frequency Generation Vibrational Spectroscopy. <i>Journal of Physical Chemistry B</i> , 2011, 115, 6465-6473.	2.6	26
10	The Structure of Oleamide Films at the Aluminum/Oil Interface and Aluminum/Air Interface Studied by Sum Frequency Generation (SFG) Vibrational Spectroscopy and Reflection Absorption Infrared Spectroscopy (RAIRS). <i>ACS Applied Materials &amp; Interfaces</i> , 2009, 1, 1672-1681.	8.0	25
11	Sum Frequency Generation (SFG) Vibrational Spectroscopy of Planar Phosphatidylethanolamine Hybrid Bilayer Membranes under Water. <i>Langmuir</i> , 2010, 26, 9710-9719.	3.5	24
12	Structural Changes in a Polyelectrolyte Multilayer Assembly Investigated by Reflection Absorption Infrared Spectroscopy and Sum Frequency Generation Spectroscopy. <i>Journal of Physical Chemistry B</i> , 2009, 113, 1559-1568.	2.6	20
13	Adsorption of Sodium Dodecyl Sulfate at the Hydrophobic Solid/Aqueous Solution Interface in the Presence of Poly(ethylene glycol): Dependence upon Polymer Molecular Weight. <i>Langmuir</i> , 2006, 22, 3105-3111.	3.5	18
14	Structure of the Fundamental Lipopeptide Surfactin at the Air/Water Interface Investigated by Sum Frequency Generation Spectroscopy. <i>Journal of Physical Chemistry B</i> , 2017, 121, 5072-5077.	2.6	18
15	The Structure of Lipid Bilayers Adsorbed on Activated Carboxy-Terminated Monolayers Investigated by Sum Frequency Generation Spectroscopy. <i>Journal of Physical Chemistry B</i> , 2014, 118, 3335-3345.	2.6	17
16	Adsorption of SDS and PEG on Calcium Fluoride Studied by Sum Frequency Generation Vibrational Spectroscopy. <i>Journal of Physical Chemistry B</i> , 2008, 112, 2616-2621.	2.6	14
17	Sum Frequency Generation Vibrational Spectroscopy of Cholesterol in Hybrid Bilayer Membranes. <i>Journal of Physical Chemistry B</i> , 2013, 117, 6455-6465.	2.6	14
18	Nanoscale Molecular Characterization of Hair Cuticle Cells Using Integrated Atomic Force Microscopy/Infrared Laser Spectroscopy. <i>Applied Spectroscopy</i> , 2020, 74, 1540-1550.	2.2	14

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19	Using hybrid atomic force microscopy and infrared spectroscopy (AFM-IR) to identify chemical components of the hair medulla on the nanoscale. <i>Journal of Microscopy</i> , 2021, 284, 189-202.	1.8	11
20	Effect of multiple group orientations on sum frequency generation spectra. <i>Molecular Physics</i> , 2013, 111, 175-187.	1.7	10
21	Sum Frequency Generation Spectrum of a Self-Assembled Monolayer Containing Two Different Methyl Group Orientations. <i>Journal of Physical Chemistry Letters</i> , 2012, 3, 3276-3280.	4.6	7
22	A structural and temporal study of the surfactants behenyltrimethylammonium methosulfate and behenyltrimethylammonium chloride adsorbed at air/water and air/glass interfaces using sum frequency generation spectroscopy. <i>Journal of Colloid and Interface Science</i> , 2017, 488, 365-372.	9.4	6
23	SFG Study of the Potential-Dependent Adsorption of the <i>p</i> -Toluenesulfonate Anion at an Activated Carbon/Propylene Carbonate Interface. <i>Journal of Physical Chemistry C</i> , 2017, 121, 20567-20575.	3.1	6
24	The Adsorption of Synovene on ZDDP Wear Tracks: A Sum Frequency Generation (SFG) Vibrational Spectroscopy Study. <i>Tribology Letters</i> , 2016, 62, 1.	2.6	4
25	Orientation analysis of sum frequency generation spectra of di-chain phospholipids: Effect of the second acyl chain. <i>AIP Advances</i> , 2021, 11, .	1.3	4
26	Adsorption of 1- and 2-Butylimidazoles at the Copper/Air and Steel/Air Interfaces Studied by Sum Frequency Generation Vibrational Spectroscopy. <i>Langmuir</i> , 2012, 28, 10741-10748.	3.5	3
27	Infrared Nanospectroscopy of Air-Sensitive Biological Substrates Protected by Thin Hydrogel Films. <i>Biophysical Journal</i> , 2020, 119, 1474-1480.	0.5	3
28	Thermal Behaviour of Synovene and Oleamide in Oil Adsorbed on Steel. <i>Tribology Letters</i> , 2020, 68, 1.	2.6	2
29	Probing the Nanoscale Heterogeneous Mixing in a High-Performance Polymer Blend. <i>Polymers</i> , 2022, 14, 192.	4.5	2
30	Adsorption of 4-n-Nonylphenol, Carvacrol, and Ethanol onto Iron Oxide from Nonaqueous Hydrocarbon Solvents. <i>Langmuir</i> , 2019, 35, 11662-11669.	3.5	1
31	Investigating Bärnard-Marangoni Migration at the Air-Water Interface in the Time Domain using Sum Frequency Generation (SFG) Spectroscopy of Palmitic Acid Monolayers. <i>Journal of Chemical Physics</i> , 2022, 156, 164701.	3.0	1