

Michael T L Casford

List of Publications by Year in descending order

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31
papers

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times ranked

1134
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|--|------|-----------|
| 1 | Probing the Nanoscale Heterogeneous Mixing in a High-Performance Polymer Blend. <i>Polymers</i> , 2022, 14, 192. | 4.5 | 2 |
| 2 | Investigating BÄ©nard-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 |
| 3 | 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 |
| 4 | Using hybrid atomic force microscopy and infrared spectroscopy (AFMâ€”IR) to identify chemical components of the hair medulla on the nanoscale. <i>Journal of Microscopy</i> , 2021, 284, 189-202. | 1.8 | 11 |
| 5 | 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 |
| 6 | Infrared Nanospectroscopy of Air-Sensitive Biological Substrates Protected by Thin Hydrogel Films. <i>Biophysical Journal</i> , 2020, 119, 1474-1480. | 0.5 | 3 |
| 7 | Nanoscale Molecular Characterization of Hair Cuticle Cells Using Integrated Atomic Force Microscopyâ€”Infrared Laser Spectroscopy. <i>Applied Spectroscopy</i> , 2020, 74, 1540-1550. | 2.2 | 14 |
| 8 | Thermal Behaviour of Synovene and Oleamide in Oil Adsorbed on Steel. <i>Tribology Letters</i> , 2020, 68, 1. | 2.6 | 2 |
| 9 | 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 |
| 10 | The Effect of Water on Quinone Redox Mediators in Nonaqueous Li-O ₂ Batteries. <i>Journal of the American Chemical Society</i> , 2018, 140, 1428-1437. | 13.7 | 88 |
| 11 | 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 |
| 12 | 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 |
| 13 | 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 |
| 14 | Mechanistic Insights into the Challenges of Cycling a Nonaqueous Naâ€”O ₂ Battery. <i>Journal of Physical Chemistry Letters</i> , 2016, 7, 4841-4846. | 4.6 | 58 |
| 15 | 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 |
| 16 | Comparative Adsorption of Saturated and Unsaturated Fatty Acids at the Iron Oxide/Oil Interface. <i>Langmuir</i> , 2016, 32, 534-540. | 3.5 | 79 |
| 17 | Inâ€”Situ Switching from Barrierâ€”Limited to Ohmic Anodes for Efficient Organic Optoelectronics. <i>Advanced Functional Materials</i> , 2014, 24, 3051-3058. | 14.9 | 33 |
| 18 | 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 |

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 19 | Hexadecylamine Adsorption at the Iron Oxide/Oil Interface. <i>Langmuir</i> , 2013, 29, 13735-13742. | 3.5 | 60 |
| 20 | Cation Bridging Studied by Specular Neutron Reflection. <i>Langmuir</i> , 2013, 29, 5520-5527. | 3.5 | 53 |
| 21 | 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 |
| 22 | Effect of multiple group orientations on sum frequency generation spectra. <i>Molecular Physics</i> , 2013, 111, 175-187. | 1.7 | 10 |
| 23 | 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 |
| 24 | 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 |
| 25 | 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 |
| 26 | Sum Frequency Generation (SFG) Vibrational Spectroscopy of Planar Phosphatidylethanolamine Hybrid Bilayer Membranes under Water. <i>Langmuir</i> , 2010, 26, 9710-9719. | 3.5 | 24 |
| 27 | 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 & Interfaces</i> , 2009, 1, 1672-1681. | 8.0 | 25 |
| 28 | 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 |
| 29 | 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 |
| 30 | 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 |
| 31 | 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 |