Madeleine F Dupont

List of Publications by Year
in descending order

31	1,812	394286 19	434063 31
papers	citations	h-index	g-index

31	31	31	2515
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	The Impact of Water on the Lateral Nanostructure of a Deep Eutectic Solventâ€“Solid Interface. Australian Journal of Chemistry, 2022, 75, 111-125.	0.5	7
2	Illuminating the biochemical interaction of antimicrobial few-layer black phosphorus with microbial cells using synchrotron macro-ATR-FTIR. Journal of Materials Chemistry B, 2022, 10, 7527-7539.	2.9	8
3	Characterizing the Dynamic Disassembly/Reassembly Mechanisms of Encapsulin Protein Nanocages. ACS Omega, 2022, 7, 823-836.	1.6	11
4	Doped 2D SnS materials derived from liquid metal-solution for tunable optoelectronic devices. Nanoscale, 2022, 14, 6802-6810.	2.8	17
5	Deep eutectic solvents as cryoprotective agents for mammalian cells. Journal of Materials Chemistry B, 2022, 10, 4546-4560.	2.9	22
6	Broad-Spectrum Solvent-free Layered Black Phosphorus as a Rapid Action Antimicrobial. ACS Applied Materials & Interfaces, 2021, 13, 17340-17352.	4.0	24
7	Analysis of Pathogenic Bacterial and Yeast Biofilms Using the Combination of Synchrotron ATR-FTIR Microspectroscopy and Chemometric Approaches. Molecules, 2021, 26, 3890.	1.7	28
8	Nanostructure of a deep eutectic solvent at solid interfaces. Journal of Colloid and Interface Science, 2021, 591, 38-51.	5.0	27
9	Investigating virusâ€“host cell interactions: Comparative binding forces between hepatitis C virus-like particles and host cell receptors in 2D and 3D cell culture models. Journal of Colloid and Interface Science, 2021, 592, 371-384.	5.0	15
10	Cryopreservation of mammalian cells using protic ionic liquid solutions. Journal of Colloid and Interface Science, 2021, 603, 491-500.	5.0	10
11	Facile Route of Fabricating Long-Term Microbicidal Silver Nanoparticle Clusters against Shiga Toxin-Producing Escherichia coli O157:H7 and Candida auris. Coatings, 2020, 10, 28.	1.2	10
12	Antibacterial Liquid Metals: Biofilm Treatment via Magnetic Activation. ACS Nano, 2020, 14, 802-817.	7.3	198
13	Micro- to nano-scale chemical and mechanical mapping of antimicrobial-resistant fungal biofilms. Nanoscale, 2020, 12, 19888-19904.	2.8	12
14	Chemometrics for environmental monitoring: a review. Analytical Methods, 2020, 12, 4597-4620.	1.3	31
15	The multi-faceted mechano-bactericidal mechanism of nanostructured surfaces. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 12598-12605.	3.3	119
16	Multi-directional electrodeposited gold nanospikes for antibacterial surface applications. Nanoscale Advances, 2019, 1, 203-212.	2.2	65
17	Measuring the mechanical properties of flexible crystals using bi-modal atomic force microscopy. Physical Chemistry Chemical Physics, 2019, 21, 20219-20224.	1.3	10
18	Not All Fluorescent Nanodiamonds Are Created Equal: A Comparative Study. Particle and Particle Systems Characterization, 2019, 36, 1900009.	1.2	56

#	Article	IF	Citations
19	From Academia to Reality Check: A Theoretical Framework on the Use of Chemometric in Food Sciences. Foods, 2019, 8, 164.	1.9	30
20	Bacterial-nanostructure interactions: The role of cell elasticity and adhesion forces. Journal of Colloid and Interface Science, 2019, 546, 192-210.	5.0	120
21	Probing and pressing surfaces of hepatitis C virus-like particles. Journal of Colloid and Interface Science, 2019, 545, 259-268.	5.0	23
22	Imaging the air-water interface: Characterising biomimetic and natural hydrophobic surfaces using in situ atomic force microscopy. Journal of Colloid and Interface Science, 2019, 536, 363-371.	5.0	20
23	Thermo-electrochemical cells for waste heat harvesting â€“ progress and perspectives. Chemical Communications, 2017, 53, 6288-6302.	2.2	218
24	Nano-structured antimicrobial surfaces: From nature to synthetic analogues. Journal of Colloid and Interface Science, 2017, 508, 603-616.	5.0	268
25	Molecular Resolution in situ Imaging of Spontaneous Graphene Exfoliation. Journal of Physical Chemistry Letters, 2016, 7, 3118-3122.	2.1	34
26	Metal ion adsorption at the ionic liquidâ€“mica interface. Nanoscale, 2016, 8, 906-914.	2.8	36
27	Ion structure controls ionic liquid near-surface and interfacial nanostructure. Chemical Science, 2015, 6, 527-536.	3.7	93
28	Nanostructure of the Ionic Liquidâ€“Graphite Stern Layer. ACS Nano, 2015, 9, 7608-7620.	7.3	156
29	Near surface properties of mixtures of propylammonium nitrate with n-alkanols 1. Nanostructure. Physical Chemistry Chemical Physics, 2015, 17, 26621-26628.	1.3	14
30	3-Dimensional atomic scale structure of the ionic liquidâ€“graphite interface elucidated by AM-AFM and quantum chemical simulations. Nanoscale, 2014, 6, 8100-8106.	2.8	78
31	Nucleation and Growth of Electrodeposited Manganese Dioxide for Electrochemical Capacitors. Electrochimica Acta, 2014, 120, 219-225.	2.6	52