

# Madeleine F Dupont

## List of Publications by Year in descending order

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Version: 2024-02-01

31  
papers

1,812  
citations

394286

19  
h-index

434063

31  
g-index

31  
all docs

31  
docs citations

31  
times ranked

2515  
citing authors

#	ARTICLE	IF	CITATIONS
1	Nano-structured antimicrobial surfaces: From nature to synthetic analogues. <i>Journal of Colloid and Interface Science</i> , 2017, 508, 603-616.	5.0	268
2	Thermo-electrochemical cells for waste heat harvesting – progress and perspectives. <i>Chemical Communications</i> , 2017, 53, 6288-6302.	2.2	218
3	Antibacterial Liquid Metals: Biofilm Treatment via Magnetic Activation. <i>ACS Nano</i> , 2020, 14, 802-817.	7.3	198
4	Nanostructure of the Ionic Liquid-Graphite Stern Layer. <i>ACS Nano</i> , 2015, 9, 7608-7620.	7.3	156
5	Bacterial-nanostructure interactions: The role of cell elasticity and adhesion forces. <i>Journal of Colloid and Interface Science</i> , 2019, 546, 192-210.	5.0	120
6	The multi-faceted mechano-bactericidal mechanism of nanostructured surfaces. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 12598-12605.	3.3	119
7	Ion structure controls ionic liquid near-surface and interfacial nanostructure. <i>Chemical Science</i> , 2015, 6, 527-536.	3.7	93
8	3-Dimensional atomic scale structure of the ionic liquid-graphite interface elucidated by AM-AFM and quantum chemical simulations. <i>Nanoscale</i> , 2014, 6, 8100-8106.	2.8	78
9	Multi-directional electrodeposited gold nanospikes for antibacterial surface applications. <i>Nanoscale Advances</i> , 2019, 1, 203-212.	2.2	65
10	Not All Fluorescent Nanodiamonds Are Created Equal: A Comparative Study. <i>Particle and Particle Systems Characterization</i> , 2019, 36, 1900009.	1.2	56
11	Nucleation and Growth of Electrodeposited Manganese Dioxide for Electrochemical Capacitors. <i>Electrochimica Acta</i> , 2014, 120, 219-225.	2.6	52
12	Metal ion adsorption at the ionic liquid-mica interface. <i>Nanoscale</i> , 2016, 8, 906-914.	2.8	36
13	Molecular Resolution in situ Imaging of Spontaneous Graphene Exfoliation. <i>Journal of Physical Chemistry Letters</i> , 2016, 7, 3118-3122.	2.1	34
14	Chemometrics for environmental monitoring: a review. <i>Analytical Methods</i> , 2020, 12, 4597-4620.	1.3	31
15	From Academia to Reality Check: A Theoretical Framework on the Use of Chemometric in Food Sciences. <i>Foods</i> , 2019, 8, 164.	1.9	30
16	Analysis of Pathogenic Bacterial and Yeast Biofilms Using the Combination of Synchrotron ATR-FTIR Microspectroscopy and Chemometric Approaches. <i>Molecules</i> , 2021, 26, 3890.	1.7	28
17	Nanostructure of a deep eutectic solvent at solid interfaces. <i>Journal of Colloid and Interface Science</i> , 2021, 591, 38-51.	5.0	27
18	Broad-Spectrum Solvent-free Layered Black Phosphorus as a Rapid Action Antimicrobial. <i>ACS Applied Materials &amp; Interfaces</i> , 2021, 13, 17340-17352.	4.0	24

#	ARTICLE	IF	CITATIONS
19	Probing and pressing surfaces of hepatitis C virus-like particles. <i>Journal of Colloid and Interface Science</i> , 2019, 545, 259-268.	5.0	23
20	Deep eutectic solvents as cryoprotective agents for mammalian cells. <i>Journal of Materials Chemistry B</i> , 2022, 10, 4546-4560.	2.9	22
21	Imaging the air-water interface: Characterising biomimetic and natural hydrophobic surfaces using in situ atomic force microscopy. <i>Journal of Colloid and Interface Science</i> , 2019, 536, 363-371.	5.0	20
22	Doped 2D SnS materials derived from liquid metal-solution for tunable optoelectronic devices. <i>Nanoscale</i> , 2022, 14, 6802-6810.	2.8	17
23	Investigating virus-host cell interactions: Comparative binding forces between hepatitis C virus-like particles and host cell receptors in 2D and 3D cell culture models. <i>Journal of Colloid and Interface Science</i> , 2021, 592, 371-384.	5.0	15
24	Near surface properties of mixtures of propylammonium nitrate with n-alkanols 1. <i>Nanostructure. Physical Chemistry Chemical Physics</i> , 2015, 17, 26621-26628.	1.3	14
25	Micro- to nano-scale chemical and mechanical mapping of antimicrobial-resistant fungal biofilms. <i>Nanoscale</i> , 2020, 12, 19888-19904.	2.8	12
26	Characterizing the Dynamic Disassembly/Reassembly Mechanisms of Encapsulin Protein Nanocages. <i>ACS Omega</i> , 2022, 7, 823-836.	1.6	11
27	Measuring the mechanical properties of flexible crystals using bi-modal atomic force microscopy. <i>Physical Chemistry Chemical Physics</i> , 2019, 21, 20219-20224.	1.3	10
28	Facile Route of Fabricating Long-Term Microbicidal Silver Nanoparticle Clusters against Shiga Toxin-Producing <i>Escherichia coli</i> O157:H7 and <i>Candida auris</i> . <i>Coatings</i> , 2020, 10, 28.	1.2	10
29	Cryopreservation of mammalian cells using protic ionic liquid solutions. <i>Journal of Colloid and Interface Science</i> , 2021, 603, 491-500.	5.0	10
30	Illuminating the biochemical interaction of antimicrobial few-layer black phosphorus with microbial cells using synchrotron macro-ATR-FTIR. <i>Journal of Materials Chemistry B</i> , 2022, 10, 7527-7539.	2.9	8
31	The Impact of Water on the Lateral Nanostructure of a Deep Eutectic Solvent-Solid Interface. <i>Australian Journal of Chemistry</i> , 2022, 75, 111-125.	0.5	7