

# Daniel Daniel

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/5200225/publications.pdf>

Version: 2024-02-01

23  
papers

1,367  
citations

623574

14  
h-index

642610

23  
g-index

27  
all docs

27  
docs citations

27  
times ranked

1765  
citing authors

#	ARTICLE	IF	CITATIONS
1	Outward and inward protection efficiencies of different mask designs for different respiratory activities. <i>Journal of Aerosol Science</i> , 2022, 160, 105905.	1.8	18
2	Water-mediated adhesion of oil sands on solid surfaces at low temperature. <i>Fuel</i> , 2022, 320, 123778.	3.4	3
3	General mechanism and mitigation for strong adhesion of frozen oil sands on solid substrates. <i>Fuel</i> , 2022, 325, 124797.	3.4	2
4	Origin of Underwater Oilâ€Repellence in Polyelectrolyte Brush Surfaces. <i>Advanced Materials Interfaces</i> , 2021, 8, 2001203.	1.9	9
5	The Efficacy of Plant-Based Ionizers in Removing Aerosol for COVID-19 Mitigation. <i>Research</i> , 2021, 2021, 2173642.	2.8	20
6	Eye Protection in ENT Practice During the COVID-19 Pandemic. <i>OTO Open</i> , 2021, 5, 2473974X2110104.	0.6	1
7	Effective design of barrier enclosure to contain aerosol emissions from COVIDâ€19 patients. <i>Indoor Air</i> , 2021, 31, 1639-1644.	2.0	12
8	Visualizing and Quantifying Wettability Alteration by Silica Nanofluids. <i>ACS Applied Materials &amp; Interfaces</i> , 2021, 13, 41182-41189.	4.0	9
9	Risk assessment of airborne COVID-19 exposure in social settings. <i>Physics of Fluids</i> , 2021, 33, 087118.	1.6	19
10	Quantifying Surface Wetting Properties Using Droplet Probe Atomic Force Microscopy. <i>ACS Applied Materials &amp; Interfaces</i> , 2020, 12, 42386-42392.	4.0	12
11	Respiratory droplet generation and dispersal during nasoendoscopy and upper respiratory swab testing. <i>Head and Neck</i> , 2020, 42, 2779-2781.	0.9	14
12	Green biolubricant infused slippery surfaces to combat marine biofouling. <i>Journal of Colloid and Interface Science</i> , 2020, 568, 185-197.	5.0	59
13	Hydration lubrication of polyzwitterionic brushes leads to nearly friction- and adhesion-free droplet motion. <i>Communications Physics</i> , 2019, 2, .	2.0	39
14	Directional pumping of water and oil microdroplets on slippery surface. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019, 116, 2482-2487.	3.3	119
15	Mapping micrometer-scale wetting properties of superhydrophobic surfaces. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019, 116, 25008-25012.	3.3	29
16	Stable Liquid Jets Bouncing off Soft Gels. <i>Physical Review Letters</i> , 2018, 120, 028006.	2.9	3
17	Film Dynamics and Lubricant Depletion by Droplets Moving on Lubricated Surfaces. <i>Physical Review X</i> , 2018, 8, .	2.8	71
18	Origins of Extreme Liquid Repellency on Structured, Flat, and Lubricated Hydrophobic Surfaces. <i>Physical Review Letters</i> , 2018, 120, 244503.	2.9	103

#	ARTICLE	IF	CITATIONS
19	Oleoplaning droplets on lubricated surfaces. Nature Physics, 2017, 13, 1020-1025.	6.5	238
20	Transparent antifouling material for improved operative field visibility in endoscopy. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, 11676-11681.	3.3	106
21	Dynamic polymer systems with self-regulated secretion for the control of surface properties and material healing. Nature Materials, 2015, 14, 790-795.	13.3	237
22	Lubricant-infused micro/nano-structured surfaces with tunable dynamic omniphobicity at high temperatures. Applied Physics Letters, 2013, 102, .	1.5	127
23	Breast tumor cell detection at single cell resolution using an electrochemical impedance technique. Lab on A Chip, 2012, 12, 2362.	3.1	114