

# Andrew K Dickerson

## List of Publications by Year in descending order

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Version: 2024-02-01

27  
papers

482  
citations

840728

11  
h-index

677123

22  
g-index

33  
all docs

33  
docs citations

33  
times ranked

431  
citing authors

#	ARTICLE	IF	CITATIONS
1	Raman Microspectroscopy of a Multi-Crystalline Silicon Solar Cell. IEEE Journal of Photovoltaics, 2022, 12, 230-237.	2.5	0
2	Fouling of mammalian hair fibres exposed to a titanium dioxide colloidal suspension. Journal of the Royal Society Interface, 2022, 19, 20210904.	3.4	2
3	Transforming Capillary Alginate Gel (Cagel) into New 3D-Printing Biomaterial Inks. Gels, 2022, 8, 376.	4.5	4
4	Hydrodynamics and surface properties influence biofilm proliferation. Advances in Colloid and Interface Science, 2021, 288, 102336.	14.7	107
5	Ensemble machine learning predicts displacement of cantilevered fibers impacted by falling drops. Journal of Fluids and Structures, 2021, 102, 103253.	3.4	4
6	Water entry dynamics of spheres with heterogeneous wetting properties. Physical Review Fluids, 2021, 6, .	2.5	17
7	Sessile liquid drops damp vibrating structures. Physics of Fluids, 2021, 33, .	4.0	6
8	10.1063/5.0067442.3. , 2021, , .		0
9	Simultaneous impact of twin drops on a semi-infinite liquid target. Physics of Fluids, 2021, 33, .	4.0	4
10	Drop impact onto pine needle fibers with non-circular cross section. Physics of Fluids, 2020, 32, .	4.0	17
11	Landing mosquitoes bounce when engaging a substrate. Scientific Reports, 2020, 10, 15744.	3.3	5
12	Predictive modelling of drop ejection from damped, dampened wings by machine learning. Proceedings of the Royal Society A: Mathematical, Physical and Engineering Sciences, 2020, 476, 20200467.	2.1	5
13	Drop ejection from vibrating damped, dampened wings. Soft Matter, 2020, 16, 1931-1940.	2.7	9
14	Making a splash with fabrics in hydrophilic sphere entry. Journal of Fluids and Structures, 2020, 94, 102907.	3.4	13
15	Organismal aggregations exhibit fluidic behaviors: a review. Bioinspiration and Biomimetics, 2019, 14, 031001.	2.9	7
16	Impacts of Free-falling Spheres on a Deep Liquid Pool with Altered Fluid and Impactor Surface Conditions. Journal of Visualized Experiments, 2019, , .	0.3	5
17	Mosquitoes modulate leg dynamics at takeoff to accommodate surface roughness. Bioinspiration and Biomimetics, 2019, 14, 016007.	2.9	6
18	Void Entry by <i>Aedes aegypti</i> (Diptera: Culicidae) Mosquitoes Is Lower Than Would Be Expected by a Randomized Search. Journal of Insect Science, 2018, 18, .	1.5	4

#	ARTICLE	IF	CITATIONS
19	Jet amplification and cavity formation induced by penetrable fabrics in hydrophilic sphere entry. <i>Physics of Fluids</i> , 2018, 30, .	4.0	27
20	High-speed microjets issue from bursting oil gland reservoirs of citrus fruit. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018, 115, E5887-E5895.	7.1	9
21	Fog and dense gas disrupt mosquito flight due to increased aerodynamic drag on halteres. <i>Journal of Fluids and Structures</i> , 2015, 55, 451-462.	3.4	12
22	Fog spontaneously folds mosquito wings. <i>Physics of Fluids</i> , 2015, 27, .	4.0	23
23	Mosquitoes Actively Remove Drops Deposited by Fog and Dew. <i>Integrative and Comparative Biology</i> , 2014, 54, 1008-1013.	2.0	16
24	Raindrops push and splash flying insects. <i>Physics of Fluids</i> , 2014, 26, .	4.0	33
25	Mosquitoes survive raindrop collisions by virtue of their low mass. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012, 109, 9822-9827.	7.1	93
26	Wet mammals shake at tuned frequencies to dry. <i>Journal of the Royal Society Interface</i> , 2012, 9, 3208-3218.	3.4	50
27	Determining Remaining Useful Life for Li-ion Batteries. , 0, , .		4