Victor Multanen

List of Publications by Year
in descending order

25 papers	336 citations	933264 10 h-index	839398 18 g-index
27 all docs	27 docs citations	27 times ranked	495 citing authors

#	Article	IF	Citations
1	Physical mechanisms of interaction of cold plasma with polymer surfaces. Journal of Colloid and Interface Science, 2015, 448, 175-179.	5.0	52
2	Hydrophilization of liquid surfaces by plasma treatment. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2014, 461, 225-230.	2.3	31
3	Biofilm grown on wood waste pretreated with cold low-pressure nitrogen plasma: Utilization for toluene remediation. International Biodeterioration and Biodegradation, 2019, 139, 62-69.	1.9	29
4	Self-Propulsion of Water-Supported Liquid Marbles Filled with Sulfuric Acid. Journal of Physical Chemistry B, 2018, 122, 7936-7942.	1.2	25
5	Plasma treatment switches the regime of wetting and floating of pepper seeds. Colloids and Surfaces B: Biointerfaces, 2017, 157, 417-423.	2.5	24
6	Toward an Understanding of Magnetic Displacement of Floating Diamagnetic Bodies, I: Experimental Findings. Langmuir, 2018, 34, 6388-6395.	1.6	18
7	Designing liquid repellent, icephobic and self-cleaning surfaces with high mechanical and chemical durability. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2019, 377, 20180270.	1.6	15
8	Relaxation spectra of polymers and phenomena of electrical and hydrophobic recovery: Interplay between bulk and surface properties of polymers. Journal of Polymer Science, Part B: Polymer Physics, 2017, 55, 198-205.	2.4	13
9	Magnetic Field Inspired Contact Angle Hysteresis Drives Floating Polyolefin Rafts. Colloids and Interface Science Communications, 2018, 22, 38-41.	2.0	13
10	Camphor-Engine-Driven Micro-Boat Guides Evolution of Chemical Gardens. Scientific Reports, 2017, 7, 3930.	1.6	12
11	Plasma treatment of silicone oil- infused surfaces switches impact of water droplets from bouncing to tanner-like spreading. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2018, 538, 133-139.	2.3	11
12	Paradoxical coffee-stain effect driven by the Marangoni flow observed on oil-infused surfaces. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2017, 522, 355-360.	2.3	10
13	Phenomenological model of wetting charged dielectric surfaces and its testing with plasma-treated polymer films and inflatable balloons. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2015, 487, 162-168.	2.3	9
14	Effects of Atmospheric Plasma Corona Discharges on Soil Bacteria Viability. Microorganisms, 2020, 8, 704.	1.6	9
15	Drops retracting while forming a rim. Journal of Colloid and Interface Science, 2021, 581, 496-503.	5.0	9
16	Investigation of pyrolysis kinetics and gaseous compounds emitted during charcoal production from woods commonly used in the <scp>Eastern Mediterranean</scp>. Biofuels, Bioproducts and Biorefining, 2021, 15, 646-656.	1.9	9
17	Bioinspired self-healing, superliquiphobic and self-cleaning hydrogel-coated surfaces with high durability. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2019, 377, 20190117.	1.6	8
18	Bioinspired oxygen selective membrane for Znâ€“air batteries. Journal of Materials Science, 2021, 56, 9382-9394.	1.7	8

#	Article	IF	Citations
19	Influence of cold radiofrequency air and nitrogen plasmas treatment on wetting of polypropylene by the liquid epoxy resin. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2016, 506, 445-449.	2.3	7
20	Intrinsically magnetic susceptibility in human blood and its potential impact on cell separation: Non-classical and intermediate monocytes have the strongest magnetic behavior in fresh human blood. Experimental Hematology, 2021, 99, 21-31.e5.	0.2	7
21	Temporal Electret Behavior of Polymer Films Exposed to Cold Radiofrequency Plasma. Advanced Engineering Materials, 2015, 17, 1175-1179.	1.6	6
22	Electrostatic interaction between water droplets coated by cold plasma treated silicone oil. Quantification of cold plasmas charging of liquids. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2016, 509, 224-228.	2.3	4
23	Under-Liquid Self-Assembly of Submerged Buoyant Polymer Particles. Langmuir, 2016, 32, 5714-5720.	1.6	3
24	Probing properties of cold radiofrequency plasma with polymer probe. Journal of Plasma Physics, 2015, 81, .	0.7	2
25	Friction, Free Axes of Rotation and Entropy. Entropy, 2017, 19, 123.	1.1	2