Michele Ferrari

List of Publications by Year
in descending order

74 papers	2,960 citations	159358 30 h-index	168136 53 g-index
78 all docs	78 docs citations	78 times ranked	2411 citing authors

#	Article	IF	Citations
1	Effect of Nanoparticles on the Interfacial Properties of Liquid/Liquid and Liquid/Air Surface Layers. Journal of Physical Chemistry B, 2006, 110, 19543-19551.	1.2	311
2	Influence of surface processes on the dilational visco-elasticity of surfactant solutions. Advances in Colloid and Interface Science, 2005, 117, 75-100.	7.0	180
3	Liquidâ€“liquid interfacial properties of mixed nanoparticleâ€“surfactant systems. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2008, 323, 99-108.	2.3	174
4	Mammalian Cell Behavior on Hydrophobic Substrates: Influence of Surface Properties. Colloids and Interfaces, 2019, 3, 48.	0.9	140
5	Superhydrophobic surfaces for applications in seawater. Advances in Colloid and Interface Science, 2015, 222, 291-304.	7.0	128
6	Adsorption and partitioning of surfactants in liquidâ€“liquid systems. Advances in Colloid and Interface Science, 2000, 88, 129-177.	7.0	125
7	Effect of Hydrophilic and Hydrophobic Nanoparticles on the Surface Pressure Response of DPPC Monolayers. Journal of Physical Chemistry C, 2011, 115, 21715-21722.	1.5	105
8	Adsorption Kinetics of Alkylphosphine Oxides at Water/Hexane Interface. Journal of Colloid and Interface Science, 1997, 186, 40-45.	5.0	86
9	DPPCâ€“DOPC Langmuir monolayers modified by hydrophilic silica nanoparticles: Phase behaviour, structure and rheology. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2012, 413, 174-183.	2.3	85
10	Adsorption Kinetics of Alkylphosphine Oxides at Water/Hexane Interface. Journal of Colloid and Interface Science, 1997, 186, 46-52.	5.0	79
11	Mixed DPPCâ€“cholesterol Langmuir monolayers in presence of hydrophilic silica nanoparticles. Colloids and Surfaces B: Biointerfaces, 2013, 105, 284-293.	2.5	79
12	Influence of silica nanoparticles on phase behavior and structural properties of DPPCâ€”Palmitic acid Langmuir monolayers. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2012, 413, 280-287.	2.3	71
13	A surface rheological study of non-ionic surfactants at the waterâ€“air interface and the stability of the corresponding thin foam films. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2007, 298, 12-21.	2.3	69
14	Measurement of the Surface Dilational Viscoelasticity of Adsorbed Layers with a Capillary Pressure Tensiometer. Journal of Colloid and Interface Science, 2002, 255, 225-235.	5.0	62
15	Biofouling control by superhydrophobic surfaces in shallow euphotic seawater. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2015, 480, 369-375.	2.3	62
16	Influence of silica nanoparticles on dilational rheology of DPPCâ€“palmitic acid Langmuir monolayers. Soft Matter, 2012, 8, 3938.	1.2	61
17	Emulsions stabilized by the interaction of silica nanoparticles and palmitic acid at the waterâ€“hexane interface. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2014, 460, 333-341.	2.3	58
18	Surface rheology as a tool for the investigation of processes internal to surfactant adsorption layers. Faraday Discussions, 2005, 129, 125.	1.6	53

#	Article	IF	Citations
19	Interfacial properties of carbon particulate-laden liquid interfaces and stability of related foams and emulsions. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2010, 365, 189-198.	2.3	53
20	Adsorption Properties of C10E8at the Waterâ"Hexane Interface. Journal of Physical Chemistry B, 1998, 102, 10521-10527.	1.2	52
21	Properties and structure of interfacial layers formed by hydrophilic silica dispersions and palmitic acid. Physical Chemistry Chemical Physics, 2012, 14, 607-615.	1.3	45
22	Interaction of Carbon Black Particles and Dipalmitoylphosphatidylcholine at the Water/Air Interface: Thermodynamics and Rheology. Journal of Physical Chemistry C, 2015, 119, 26937-26947.	1.5	43
23	Interfacial Properties of Mixed DPPCâ€"Hydrophobic Fumed Silica Nanoparticle Layers. Journal of Physical Chemistry C, 2015, 119, 21024-21034.	1.5	41
24	Molecular reorientation in the adsorption of some CiEj at the water-air interface. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 1999, 156, 455-463.	2.3	39
25	Modelling of dilational visco-elasticity of adsorbed layers with multiple kinetic processes. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2006, 282-283, 210-216.	2.3	39
26	Dynamic tensiometric characterization of espresso coffee beverage. Food Hydrocolloids, 2004, 18, 387-393.	5.6	36
27	Surfactant adsorption at superhydrophobic surfaces. Applied Physics Letters, 2006, 89, 053104.	1.5	36
28	Effect of silica nanoparticles on the interfacial properties of a canonical lipid mixture. Colloids and Surfaces B: Biointerfaces, 2015, 136, 971-980.	2.5	36
29	Interfacial properties of coffee oils. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2010, 365, 79-82.	2.3	32
30	Preparation of a superhydrophobic surface by mixed inorganic-organic coating. Applied Physics Letters, 2006, 88, 203125.	1.5	31
31	Effect of the Incorporation of Nanosized Titanium Dioxide on the Interfacial Properties of 1,2-Dipalmitoyl-sn-glycerol-3-phosphocholine Langmuir Monolayers. Langmuir, 2017, 33, 10715-10725.	1.6	31
32	Dynamic Elasticity of Adsorption Layers in the Presence of Internal Reorientation Processes. Journal of Physical Chemistry B, 2001, 105, 195-203.	1.2	30
33	Amphiphobic coatings for antifouling in marine environment. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2016, 505, 158-164.	2.3	30
34	Surfactants and wetting at superhydrophobic surfaces: Water solutions and non aqueous liquids. Advances in Colloid and Interface Science, 2010, 161, 22-28.	7.0	28
35	Surface Rheology Investigation of the 2-D Phase Transition inn-Dodecanol Monolayers at the Waterâ"Air Interface. Langmuir, 2003, 19, 10233-10240.	1.6	27
36	Nanoparticle laden interfacial layers and application to foams and solid foams. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2013, 438, 132-140.	2.3	26

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37	Mammalian cell viability on hydrophobic and superhydrophobic fabrics. Materials Science and Engineering C, 2019, 99, 241-247.	3.8	25
38	Soot particles at the aqueous interface and effects on foams stability. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2012, 413, 216-223.	2.3	20
39	Interaction of Particles with Langmuir Monolayers of 1,2-Dipalmitoyl-Sn-Glycero-3-Phosphocholine: A Matter of Chemistry?. Coatings, 2020, 10, 469.	1.2	19
40	Characterization of surfactant aggregates at solidâ€“liquid surfaces by atomic force microscopy. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2004, 249, 63-67.	2.3	18
41	Project proposal for the investigation of particle-stabilised emulsions and foams by microgravity experiments. Microgravity Science and Technology, 2006, 18, 104-107.	0.7	18
42	Superhydrophobic Coatings from Recyclable Materials for Protection in a Real Sea Environment. Coatings, 2019, 9, 303.	1.2	18
43	Adsorption and surface rheology of n-dodecanol at the water/air interface. Journal of Colloid and Interface Science, 2004, 272, 277-280.	5.0	17
44	Surfactant induced complex formation and their effects on the interfacial properties of seawater. Colloids and Surfaces B: Biointerfaces, 2014, 123, 701-709.	2.5	17
45	Potentiodynamic study of Alâ€“Mg alloy with superhydrophobic coating in photobiologically active/not active natural seawater. Colloids and Surfaces B: Biointerfaces, 2016, 137, 167-175.	2.5	17
46	Dynamic Surface Elasticity of Adsorption Layers in the Presence of a Surface Phase Transition from Monomers to Large Aggregates. Langmuir, 2002, 18, 3592-3599.	1.6	16
47	Interfacial properties of coffee-based beverages. Food Hydrocolloids, 2007, 21, 1374-1378.	5.6	16
48	High transmittance and highly amphiphobic coatings for environmental protection of solar panels. Advances in Colloid and Interface Science, 2020, 286, 102309.	7.0	16
49	Carbon Sootâ€“Ionic Surfactant Mixed Layers at Water/Air Interfaces. Journal of Nanoscience and Nanotechnology, 2015, 15, 3618-3625.	0.9	13
50	Carbon based porous materials from particle stabilized wet foams. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2015, 473, 24-31.	2.3	11
51	Influence of n-hexanol and n-octanol on wetting properties and air entrapment at superhydrophobic surfaces. Physical Chemistry Chemical Physics, 2011, 13, 9452.	1.3	10
52	Surface properties of Vancomycin after interaction with laser beams. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2015, 480, 328-335.	2.3	10
53	Toxicity study in blood and tumor cells of laser produced medicines for application in fabrics. Colloids and Surfaces B: Biointerfaces, 2016, 137, 91-103.	2.5	10
54	High Transmittance Superhydrophobic Coatings with Durable Self-Cleaning Properties. Coatings, 2021, 11, 493.	1.2	10

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55	Laser beams resonant interaction with micro-droplets which have a controlled content. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2010, 365, 83-88.	2.3	9
56	Regenerable Superhydrophobic Coatings for Biomedical Fabrics. Coatings, 2020, 10, 578.	1.2	8
57	Evaluating the Impact of Hydrophobic Silicon Dioxide in the Interfacial Properties of Lung Surfactant Films. Environmental Science & Technology, 2022, 56, 7308-7318.	4.6	8
58	Results of the Facility for Adsorption and Surface Tension (FAST) experiments onboard STS-107, in the framework of the project FASES. Microgravity Science and Technology, 2005, 16, 196-200.	0.7	6
59	Adsorption properties of C10E8 at water/ hexane interface investigated onboard STS-107, by the FAST facility. Microgravity Science and Technology, 2005, 16, 201-204.	0.7	6
60	Results of microgravity investigation on adsorption and interfacial rheology of soluble surfactants from the experiment FAST onboard STS-107. Microgravity Science and Technology, 2006, 18, 112-116.	0.7	6
61	Effect of Temperature on the Dynamic Properties of Mixed Surfactant Adsorbed Layers at the Water/Hexane Interface under Low-Gravity Conditions. Colloids and Interfaces, 2020, 4, 27.	0.9	6
62	Superhydrophobicity and Durability in Recyclable Polymers Coating. Sustainability, 2021, 13, 8244.	1.6	6
63	Evaluation of the impact of carbonaceous particles in the mechanical performance of lipid Langmuir monolayers. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2022, 634, 127974.	2.3	6
64	Sustainable Materials for Liquid Repellent Coatings. Coatings, 2021, 11, 1508.	1.2	6
65	Wetting of Single and Mixed Surfactant Solutions on Superhydrophobic Surfaces. Journal of Adhesion Science and Technology, 2009, 23, 483-492.	1.4	5
66	Switching surface wettability properties. Journal of Adhesion Science and Technology, 2014, 28, 791-814.	1.4	5
67	Messung der dynamischen GrenzflÃchen-spannung im System wÃÃŸrige TensidlÃ¶sung/organisches LÃ¶sungsmittel. Chemie-Ingenieur-Technik, 1998, 70, 89-99.	0.4	4
68	Dynamic Properties of Mixed Cationic/Nonionic Adsorbed Layers at the N-Hexane/Water Interface: Capillary Pressure Experiments Under Low Gravity Conditions. Colloids and Interfaces, 2018, 2, 53.	0.9	4
69	3D profilometry and cell viability studies for drug response screening. Materials Science and Engineering C, 2020, 115, 111142.	3.8	4
70	Dynamic capillary pressure measurements in the short time range by applying a fast growing drop technique. Microgravity Science and Technology, 2006, 18, 95-99.	0.7	3
71	Facility for adsorption and surface tension studies (FAST) on board of shuttle STS-107 mission: Determination of the surface dilational modulus as a function of concentration and temperature for aqueous solutions of dodecyl-dimethyl-phosphine-oxide, in the 0.01â€“0.32 Hz frequency range. Microgravity Science and Technology, 2006, 18, 100-103.	0.7	1
72	Interfacial Dilational Viscoelasticity of Adsorption Layers at the Hydrocarbon/Water Interface: The Fractional Maxwell Model. Colloids and Interfaces, 2019, 3, 66.	0.9	1

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73	Mammalian Cell Spheroids on Mixed Organicâ€“Inorganic Superhydrophobic Coating. Molecules, 2022, 27, 1247.	1.7	1
74	97. Dynamische GrenzflÃchenspannung tensidhaltiger FlÃ¼ssig/Fluid-Systeme. Chemie-Ingenieur-Technik, 1996, 68, 1127-1128.	0.4	0