

Michele Ferrari

List of Publications by Citations

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76
papers

2,469
citations

28
h-index

48
g-index

78
ext. papers

2,703
ext. citations

5.1
avg, IF

5.05
L-index

#	Paper	IF	Citations
76	Effect of nanoparticles on the interfacial properties of liquid/liquid and liquid/air surface layers. <i>Journal of Physical Chemistry B</i> , 2006 , 110, 19543-51	3.4	262
75	Influence of surface processes on the dilational visco-elasticity of surfactant solutions. <i>Advances in Colloid and Interface Science</i> , 2005 , 117, 75-100	14.3	161
74	Liquid-Liquid interfacial properties of mixed nanoparticle-surfactant systems. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2008 , 323, 99-108	5.1	155
73	Adsorption and partitioning of surfactants in liquid-liquid systems. <i>Advances in Colloid and Interface Science</i> , 2000 , 88, 129-77	14.3	111
72	Superhydrophobic surfaces for applications in seawater. <i>Advances in Colloid and Interface Science</i> , 2015 , 222, 291-304	14.3	91
71	Effect of Hydrophilic and Hydrophobic Nanoparticles on the Surface Pressure Response of DPPC Monolayers. <i>Journal of Physical Chemistry C</i> , 2011 , 115, 21715-21722	3.8	91
70	Adsorption Kinetics of Alkylphosphine Oxides at Water/Hexane Interface. <i>Journal of Colloid and Interface Science</i> , 1997 , 186, 40-5	9.3	84
69	Mammalian Cell Behavior on Hydrophobic Substrates: Influence of Surface Properties. <i>Colloids and Interfaces</i> , 2019 , 3, 48	3	76
68	Adsorption Kinetics of Alkylphosphine Oxides at Water/Hexane Interface. <i>Journal of Colloid and Interface Science</i> , 1997 , 186, 46-52	9.3	73
67	DPPC/DOPC Langmuir monolayers modified by hydrophilic silica nanoparticles: Phase behaviour, structure and rheology. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2012 , 413, 174-183	5.1	70
66	Mixed DPPC-cholesterol Langmuir monolayers in presence of hydrophilic silica nanoparticles. <i>Colloids and Surfaces B: Biointerfaces</i> , 2013 , 105, 284-93	6	63
65	Influence of silica nanoparticles on phase behavior and structural properties of DPPC/palmitic acid Langmuir monolayers. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2012 , 413, 280-287	5.1	62
64	A surface rheological study of non-ionic surfactants at the water-air interface and the stability of the corresponding thin foam films. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2007 , 298, 12-21	5.1	60
63	Measurement of the surface dilational viscoelasticity of adsorbed layers with a capillary pressure tensiometer. <i>Journal of Colloid and Interface Science</i> , 2002 , 255, 225-35	9.3	58
62	Influence of silica nanoparticles on dilational rheology of DPPC/palmitic acid Langmuir monolayers. <i>Soft Matter</i> , 2012 , 8, 3938	3.6	57
61	Surface rheology as a tool for the investigation of processes internal to surfactant adsorption layers. <i>Faraday Discussions</i> , 2005 , 129, 125-40; discussion 179-92	3.6	50
60	Emulsions stabilized by the interaction of silica nanoparticles and palmitic acid at the water-hexane interface. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2014 , 460, 333-341	5.1	49

59	Interfacial properties of carbon particulate-laden liquid interfaces and stability of related foams and emulsions. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2010 , 365, 189-198	5.1	49
58	Biofouling control by superhydrophobic surfaces in shallow euphotic seawater. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2015 , 480, 369-375	5.1	47
57	Adsorption Properties of C10E8 at the WaterHexane Interface. <i>Journal of Physical Chemistry B</i> , 1998 , 102, 10521-10527	3.4	47
56	Properties and structure of interfacial layers formed by hydrophilic silica dispersions and palmitic acid. <i>Physical Chemistry Chemical Physics</i> , 2012 , 14, 607-15	3.6	43
55	Molecular reorientation in the adsorption of some CiEj at the water-air interface. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 1999 , 156, 455-463	5.1	37
54	Interaction of Carbon Black Particles and Dipalmitoylphosphatidylcholine at the Water/Air Interface: Thermodynamics and Rheology. <i>Journal of Physical Chemistry C</i> , 2015 , 119, 26937-26947	3.8	35
53	Interfacial Properties of Mixed DPPCHydrophobic Fumed Silica Nanoparticle Layers. <i>Journal of Physical Chemistry C</i> , 2015 , 119, 21024-21034	3.8	35
52	Modelling of dilational visco-elasticity of adsorbed layers with multiple kinetic processes. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2006 , 282-283, 210-216	5.1	35
51	Surfactant adsorption at superhydrophobic surfaces. <i>Applied Physics Letters</i> , 2006 , 89, 053104	3.4	31
50	Dynamic tensiometric characterization of espresso coffee beverage. <i>Food Hydrocolloids</i> , 2004 , 18, 387-393	3.6	31
49	Effect of silica nanoparticles on the interfacial properties of a canonical lipid mixture. <i>Colloids and Surfaces B: Biointerfaces</i> , 2015 , 136, 971-80	6	30
48	Preparation of a superhydrophobic surface by mixed inorganic-organic coating. <i>Applied Physics Letters</i> , 2006 , 88, 203125	3.4	28
47	Dynamic Elasticity of Adsorption Layers in the Presence of Internal Reorientation Processes. <i>Journal of Physical Chemistry B</i> , 2001 , 105, 195-203	3.4	28
46	Effect of the Incorporation of Nanosized Titanium Dioxide on the Interfacial Properties of 1,2-Dipalmitoyl-sn-glycerol-3-phosphocholine Langmuir Monolayers. <i>Langmuir</i> , 2017 , 33, 10715-10725	4	24
45	Interfacial properties of coffee oils. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2010 , 365, 79-82	5.1	24
44	Nanoparticle laden interfacial layers and application to foams and solid foams. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2013 , 438, 132-140	5.1	23
43	Surface Rheology Investigation of the 2-D Phase Transition in n-Dodecanol Monolayers at the WaterAir Interface. <i>Langmuir</i> , 2003 , 19, 10233-10240	4	23
42	Surfactants and wetting at superhydrophobic surfaces: water solutions and non aqueous liquids. <i>Advances in Colloid and Interface Science</i> , 2010 , 161, 22-8	14.3	22

41	Amphiphobic coatings for antifouling in marine environment. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2016 , 505, 158-164	5.1	22
40	Soot particles at the aqueous interface and effects on foams stability. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2012 , 413, 216-223	5.1	20
39	Project proposal for the investigation of particle-stabilised emulsions and foams by microgravity experiments. <i>Microgravity Science and Technology</i> , 2006 , 18, 104-107	1.6	17
38	Adsorption and surface rheology of n-dodecanol at the water/air interface. <i>Journal of Colloid and Interface Science</i> , 2004 , 272, 277-80	9.3	17
37	Characterization of surfactant aggregates at solid-liquid surfaces by atomic force microscopy. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2004 , 249, 63-67	5.1	17
36	Mammalian cell viability on hydrophobic and superhydrophobic fabrics. <i>Materials Science and Engineering C</i> , 2019 , 99, 241-247	8.3	16
35	Surfactant induced complex formation and their effects on the interfacial properties of seawater. <i>Colloids and Surfaces B: Biointerfaces</i> , 2014 , 123, 701-9	6	16
34	Interfacial properties of coffee-based beverages. <i>Food Hydrocolloids</i> , 2007 , 21, 1374-1378	10.6	15
33	Dynamic Surface Elasticity of Adsorption Layers in the Presence of a Surface Phase Transition from Monomers to Large Aggregates. <i>Langmuir</i> , 2002 , 18, 3592-3599	4	15
32	Potentiodynamic study of Al-Mg alloy with superhydrophobic coating in photobiologically active/not active natural seawater. <i>Colloids and Surfaces B: Biointerfaces</i> , 2016 , 137, 167-75	6	13
31	Carbon Soot-Ionic Surfactant Mixed Layers at Water/Air Interfaces. <i>Journal of Nanoscience and Nanotechnology</i> , 2015 , 15, 3618-25	1.3	13
30	Superhydrophobic Coatings from Recyclable Materials for Protection in a Real Sea Environment. <i>Coatings</i> , 2019 , 9, 303	2.9	12
29	Carbon based porous materials from particle stabilized wet foams. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2015 , 473, 24-31	5.1	10
28	Interaction of Particles with Langmuir Monolayers of 1,2-Dipalmitoyl-Sn-Glycero-3-Phosphocholine: A Matter of Chemistry?. <i>Coatings</i> , 2020 , 10, 469	2.9	9
27	Toxicity study in blood and tumor cells of laser produced medicines for application in fabrics. <i>Colloids and Surfaces B: Biointerfaces</i> , 2016 , 137, 91-103	6	8
26	Influence of n-hexanol and n-octanol on wetting properties and air entrapment at superhydrophobic surfaces. <i>Physical Chemistry Chemical Physics</i> , 2011 , 13, 9452-7	3.6	8
25	Laser beams resonant interaction with micro-droplets which have a controlled content. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2010 , 365, 83-88	5.1	8
24	Surface properties of Vancomycin after interaction with laser beams. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2015 , 480, 328-335	5.1	7

23	Regenerable Superhydrophobic Coatings for Biomedical Fabrics. <i>Coatings</i> , 2020 , 10, 578	2.9	5
22	Switching surface wettability properties. <i>Journal of Adhesion Science and Technology</i> , 2014 , 28, 791-814	2	5
21	Wetting of Single and Mixed Surfactant Solutions on Superhydrophobic Surfaces. <i>Journal of Adhesion Science and Technology</i> , 2009 , 23, 483-492	2	5
20	Results of microgravity investigation on adsorption and interfacial rheology of soluble surfactants from the experiment FAST onboard STS-107. <i>Microgravity Science and Technology</i> , 2006 , 18, 112-116	1.6	5
19	Results of the Facility for Adsorption and Surface Tension (FAST) experiments onboard STS-107, in the framework of the project FASES. <i>Microgravity Science and Technology</i> , 2005 , 16, 196-200	1.6	5
18	Adsorption properties of C10E8 at water/ hexane interface investigated onboard STS-107, by the FAST Facility. <i>Microgravity Science and Technology</i> , 2005 , 16, 201-204	1.6	5
17	Effect of Temperature on the Dynamic Properties of Mixed Surfactant Adsorbed Layers at the Water/Hexane Interface under Low-Gravity Conditions. <i>Colloids and Interfaces</i> , 2020 , 4, 27	3	4
16	Dynamic Properties of Mixed Cationic/Nonionic Adsorbed Layers at the N-Hexane/Water Interface: Capillary Pressure Experiments Under Low Gravity Conditions. <i>Colloids and Interfaces</i> , 2018 , 2, 53	3	4
15	High transmittance and highly amphiphobic coatings for environmental protection of solar panels. <i>Advances in Colloid and Interface Science</i> , 2020 , 286, 102309	14.3	3
14	Messung der dynamischen Grenzflächen-spannung im System werge Tensidlung/organisches Lungsmittel. <i>Chemie-Ingenieur-Technik</i> , 1998 , 70, 89-99	0.8	3
13	Dynamic capillary pressure measurements in the short time range by applying a fast growing drop technique. <i>Microgravity Science and Technology</i> , 2006 , 18, 95-99	1.6	3
12	3D profilometry and cell viability studies for drug response screening. <i>Materials Science and Engineering C</i> , 2020 , 115, 111142	8.3	2
11	Evaluating the Impact of Hydrophobic Silicon Dioxide in the Interfacial Properties of Lung Surfactant Films.. <i>Environmental Science & Technology</i> , 2022 ,	10.3	2
10	Evaluation of the impact of carbonaceous particles in the mechanical performance of lipid Langmuir monolayers. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2022 , 634, 127974 ¹	5.1	2
9	High Transmittance Superhydrophobic Coatings with Durable Self-Cleaning Properties. <i>Coatings</i> , 2021 , 11, 493	2.9	2
8	Superhydrophobicity and Durability in Recyclable Polymers Coating. <i>Sustainability</i> , 2021 , 13, 8244	3.6	2
7	Hydrophobicity and Superhydrophobicity in Fouling Prevention in Sea Environment 2018 , 241-265		1
6	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 0.010.32 Hz frequency range. <i>Microgravity Science and Technology</i> , 2006 , 18, 100-103	1.6	1

5	Interfacial Dilational Viscoelasticity of Adsorption Layers at the Hydrocarbon/Water Interface: The Fractional Maxwell Model. <i>Colloids and Interfaces</i> , 2019 , 3, 66	3	1
4	Sustainable Materials for Liquid Repellent Coatings. <i>Coatings</i> , 2021 , 11, 1508	2.9	1
3	Recent Developments in Dilational Viscoelasticity of Surfactant Layers 2014 , 313-344		
2	Recent Developments in Dilational Viscoelasticity of Surfactant Layers 2011 , 313-344		
1	97. Dynamische Grenzflächenspannung tensidhaltiger Flüssig/Fluid-Systeme. <i>Chemie-Ingenieur-Technik</i> , 1996 , 68, 1127-1128	0.8	