

Ruggero Angelico

List of Publications by Year in descending order

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61
papers

1,937
citations

201674

27
h-index

265206

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64
all docs

64
docs citations

64
times ranked

2224
citing authors

#	ARTICLE	IF	CITATIONS
1	Formulation Strategies for Enhancing the Bioavailability of Silymarin: The State of the Art. <i>Molecules</i> , 2019, 24, 2155.	3.8	120
2	Particle size, charge and colloidal stability of humic acids coprecipitated with Ferrihydrite. <i>Chemosphere</i> , 2014, 99, 239-247.	8.2	119
3	Microemulsion Microstructure(s): A Tutorial Review. <i>Nanomaterials</i> , 2020, 10, 1657.	4.1	113
4	Phase Diagram and Phase Properties of the System Lecithin-Water-Cyclohexane. <i>Langmuir</i> , 2000, 16, 2124-2132.	3.5	97
5	Water Diffusion and Headgroup Mobility in Polymer-like Reverse Micelles: Evidence of a Sphere-to-Rod-to-Sphere Transition. <i>Journal of Physical Chemistry B</i> , 1998, 102, 2883-2889.	2.6	82
6	Phase Behavior of the Lecithin/Water/Isooctane and Lecithin/Water/Decane Systems. <i>Langmuir</i> , 2004, 20, 619-631.	3.5	72
7	The Role of Additives in Warm Mix Asphalt Technology: An Insight into Their Mechanisms of Improving an Emerging Technology. <i>Nanomaterials</i> , 2020, 10, 1202.	4.1	65
8	Biocompatible Lecithin Organogels: Structure and Phase Equilibria. <i>Langmuir</i> , 2005, 21, 140-148.	3.5	64
9	Spontaneous aggregation of humic acid observed with AFM at different pH. <i>Chemosphere</i> , 2015, 138, 821-828.	8.2	62
10	Anticancer Cationic Ruthenium Nanovectors: From Rational Molecular Design to Cellular Uptake and Bioactivity. <i>Biomacromolecules</i> , 2013, 14, 2549-2560.	5.4	53
11	Phyto-liposomes as nanoshuttles for water-insoluble silybin-phospholipid complex. <i>International Journal of Pharmaceutics</i> , 2014, 471, 173-181.	5.2	50
12	Surfactant Curvilinear Diffusion in Giant Wormlike Micelles. <i>Physical Review Letters</i> , 1998, 81, 2823-2826.	7.8	47
13	Adhesion Promoters in Bituminous Road Materials: A Review. <i>Applied Sciences (Switzerland)</i> , 2017, 7, 524.	2.5	47
14	Bitumen and asphalt concrete modified by nanometer-sized particles: Basic concepts, the state of the art and future perspectives of the nanoscale approach. <i>Advances in Colloid and Interface Science</i> , 2020, 285, 102283.	14.7	47
15	Impact of branching on the viscoelasticity of wormlike reverse micelles. <i>Soft Matter</i> , 2012, 8, 10941.	2.7	43
16	A Review on Bitumen Rejuvenation: Mechanisms, Materials, Methods and Perspectives. <i>Applied Sciences (Switzerland)</i> , 2019, 9, 4316.	2.5	42
17	Characterization of the Solutol HS15/water phase diagram and the impact of the Δ^9 -tetrahydrocannabinol solubilization. <i>Journal of Colloid and Interface Science</i> , 2013, 390, 129-136.	9.4	39
18	Preparation of Nanosize Silica in Reverse Micelles: % Ethanol Produced during TEOS Hydrolysis Affects the Microemulsion Structure. <i>Langmuir</i> , 2007, 23, 10063-10068.	3.5	38

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19	Molecular Diffusion in a Living Network. <i>Langmuir</i> , 2001, 17, 6822-6830.	3.5	37
20	Arsenate retention mechanisms on hematite with different morphologies evaluated using AFM, TEM measurements and vibrational spectroscopy. <i>Geochimica Et Cosmochimica Acta</i> , 2018, 237, 155-170.	3.9	34
21	The role of the cosurfactant in the CTAB/water/n-pentanol/n-hexane system: Pentanol effect on the phase equilibria and mesophase structure. <i>Physical Chemistry Chemical Physics</i> , 2004, 6, 1423-1429.	2.8	33
22	Effects of adhesion promoters on the contact angle of bitumen-aggregate interface. <i>International Journal of Adhesion and Adhesives</i> , 2016, 70, 297-303.	2.9	32
23	Role of a food grade additive in the high temperature performance of modified bitumens. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2017, 532, 618-624.	4.7	31
24	Physicochemical and rheological properties of a novel monoolein-based vesicle gel. <i>Soft Matter</i> , 2013, 9, 921-928.	2.7	30
25	Characterization of magnetite nanoparticles synthesized from Fe(II)/nitrate solutions for arsenic removal from water. <i>Journal of Environmental Chemical Engineering</i> , 2019, 7, 102986.	6.7	30
26	Water Diffusion in Polymer-like Reverse Micelles. 2. Composition Dependence. <i>Langmuir</i> , 1999, 15, 1679-1684.	3.5	29
27	Anomalous surfactant diffusion in a living polymer system. <i>Physical Review E</i> , 2006, 74, 031403.	2.1	29
28	Mechanical Resilience of Modified Bitumen at Different Cooling Rates: A Rheological and Atomic Force Microscopy Investigation. <i>Applied Sciences (Switzerland)</i> , 2017, 7, 779.	2.5	28
29	Nucleotides and nucleolipids derivatives interaction effects during multi-lamellar vesicles formation. <i>Colloids and Surfaces B: Biointerfaces</i> , 2008, 64, 184-193.	5.0	27
30	Phytoliposome-Based Silibinin Delivery System as a Promising Strategy to Prevent Hepatitis C Virus Infection. <i>Journal of Biomedical Nanotechnology</i> , 2016, 12, 770-780.	1.1	26
31	Effects of Natural Antioxidant Agents on the Bitumen Aging Process: An EPR and Rheological Investigation. <i>Applied Sciences (Switzerland)</i> , 2018, 8, 1405.	2.5	26
32	Characterization of synthetic hematite (α -Fe ₂ O ₃) nanoparticles using a multi-technique approach. <i>Journal of Colloid and Interface Science</i> , 2012, 374, 118-126.	9.4	25
33	The role of water in the oxidation process of extra virgin olive oils. <i>JAOCs, Journal of the American Oil Chemists' Society</i> , 2002, 79, 577-582.	1.9	24
34	Slow dynamics of wormlike micelles. <i>Soft Matter</i> , 2010, 6, 1769.	2.7	24
35	A Structural Investigation of CaAOT/Water/Oil Microemulsions. <i>Langmuir</i> , 2000, 16, 442-450.	3.5	23
36	Ordering fluctuations in a shear-banding wormlike micellar system. <i>Physical Chemistry Chemical Physics</i> , 2010, 12, 8856.	2.8	23

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37	Effects of polyphenol enzymatic-oxidation on the oxidative stability of virgin olive oil. <i>Food Research International</i> , 2013, 54, 2001-2007.	6.2	22
38	Influence of hydrothermal synthesis conditions on size, morphology and colloidal properties of Hematite nanoparticles. <i>Nano Structures Nano Objects</i> , 2015, 2, 19-27.	3.5	22
39	Relaxation of Shear-Aligned Wormlike Micelles. <i>Journal of Physical Chemistry B</i> , 2002, 106, 2426-2428.	2.6	21
40	Environmental implications of interaction between humic substances and iron oxide nanoparticles: A review. <i>Chemosphere</i> , 2022, 303, 135172.	8.2	21
41	Effect of high water salinity on the adhesion properties of model bitumen modified with a smart additive. <i>Construction and Building Materials</i> , 2019, 225, 642-648.	7.2	16
42	Cationic Systems from Conversion of Nucleotides into Nucleo-Lipids. <i>Langmuir</i> , 2008, 24, 2348-2355.	3.5	15
43	The Structure of Bitumen: Conceptual Models and Experimental Evidences. <i>Materials</i> , 2022, 15, 905.	2.9	14
44	Deuterium NMR Study of Slow Relaxation Dynamics in a Polymer-like Micelles System after Flow-Induced Orientation. <i>Journal of Physical Chemistry B</i> , 2003, 107, 10325-10328.	2.6	13
45	Flow-induced structures observed in a viscoelastic reverse wormlike micellar system by magnetic resonance imaging and NMR velocimetry. <i>RSC Advances</i> , 2016, 6, 33339-33347.	3.6	10
46	Unravelling the role of a green rejuvenator agent in contrasting the aging effect on bitumen: A dynamics rheology, nuclear magnetic relaxometry and self-diffusion study. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2020, 603, 125182.	4.7	10
47	Structural investigation of lecithin/cyclohexane solutions. , 1999, , 1-4.		10
48	Reaction mixtures based on the CTABâ€“Dodecyl Epoxideâ€“water microemulsion for the synthesis of novel Nucleo-Lipids. <i>Colloids and Surfaces B: Biointerfaces</i> , 2009, 70, 68-75.	5.0	8
49	Complementary amphiphilic ribonucleotides confined into nanostructured environments. <i>Physical Chemistry Chemical Physics</i> , 2010, 12, 7977.	2.8	7
50	Structure and dynamics of polymer-like reverse micelles. , 2000, , 37-41.		5
51	Novel Surfactant-Based Adsorbent Material for Groundwater Remediation. <i>Environmental Science & Technology</i> , 2007, 41, 6836-6840.	10.0	5
52	Iron oxideâ€“humic acid coprecipitates as iron source for cucumber plants. <i>Journal of Plant Nutrition and Soil Science</i> , 2019, 182, 921-933.	1.9	5
53	Polymer-like lecithin reverse micelles: a multicomponent self-diffusion study. <i>Progress in Colloid and Polymer Science</i> , 1997, 105, 184-191.	0.5	5
54	Searching effective indicators of microstructural changes in bitumens during aging: A multi-technique approach. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2022, 641, 128529.	4.7	5

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55	Alkylation of complementary ribonucleotides by 1,2-dodecyl-epoxide in a micellar environment: a liquid chromatography-electrospray ionization-sequential mass spectrometry investigation. <i>Journal of Mass Spectrometry</i> , 2009, 44, 1053-1065.	1.6	4
56	Alkylation of complementary ribonucleotides in nanoreactors. <i>Physical Chemistry Chemical Physics</i> , 2013, 15, 586-595.	2.8	4
57	Cytosine to uracil conversion through hydrolytic deamination of cytidine monophosphate hydroxy-alkylated on the amino group: a liquid chromatography-electrospray ionization-mass spectrometry investigation. <i>Journal of Mass Spectrometry</i> , 2012, 47, 1384-1393.	1.6	2
58	1171 EFFECTS OF A NEW LIPOSOME-ENCAPSULATED FORMULATION OF SILYBIN ON HEPATITIS C VIRUS INFECTION. <i>Journal of Hepatology</i> , 2013, 58, S476.	3.7	1
59	NEW EXPERIMENTAL APPROACHES TO ANALYSE THE SUPRAMOLECULAR STRUCTURE OF REJUVENATED AGED BITUMENS. <i>News of the National Academy of Sciences of the Republic of Kazakhstan, Series of Geology and Technical Sciences</i> , 2019, 6, 295-301.	0.2	1
60	Thermodynamic Parameters of Quinone Binding to Bacterial Reaction Centers in Reverse Micelles. , 1998, , 889-892.		0
61	Chapter 3. Reverse Wormlike Micelles: A Special Focus on Nuclear Magnetic Resonance Investigations. , 0, , 31-62.		0