Sandra Ristori

List of Publications by Year in descending order

		186209	276775
108	2,337	28	41
papers	citations	h-index	g-index

112	112	112	3080
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Green and cost-effective synthesis of copper nanoparticles by extracts of non-edible and waste plant materials from Vaccinium species: Characterization and antimicrobial activity. Materials Science and Engineering C, 2021, 119, 111453.	3.8	67
2	Lipids from algal biomass provide new (nonlamellar) nanovectors with high carrier potentiality for natural antioxidants. European Journal of Pharmaceutics and Biopharmaceutics, 2021, 158, 410-416.	2.0	9
3	Thymol-loaded lipid nanovectors from the marine microalga Nannochloropsis sp. as potential antibacterial agents. Biocatalysis and Agricultural Biotechnology, 2021, 32, 101962.	1.5	7
4	Tip Streaming of a Lipid-Stabilized Double Emulsion Generated in a Microfluidic Channel. Langmuir, 2021, 37, 7442-7448.	1.6	2
5	Synchronization scenarios induced by delayed communication in arrays of diffusively coupled autonomous chemical oscillators. Physical Chemistry Chemical Physics, 2021, 23, 17606-17615.	1.3	8
6	Microfluidic compartmentalization of diffusively coupled oscillators in multisomes induces a novel synchronization scenario. Chemical Communications, 2020, 56, 11771-11774.	2.2	7
7	Membrane Structure Drives Synchronization Patterns in Arrays of Diffusively Coupled Self-Oscillating Droplets. Journal of Physical Chemistry Letters, 2020, 11, 2014-2020.	2.1	22
8	A new method for the direct tracking of in vivo lignin nanocapsules in Eragrostis tef (Poaceae) tissues. European Journal of Histochemistry, 2020, 64, .	0.6	6
9	Green Nanovectors for Phytodrug Delivery: In-Depth Structural and Morphological Characterization. ACS Sustainable Chemistry and Engineering, 2019, 7, 12838-12846.	3.2	8
10	When Sustainable Nanochemistry Meets Agriculture: Lignin Nanocapsules for Bioactive Compound Delivery to Plantlets. ACS Sustainable Chemistry and Engineering, 2019, 7, 19935-19942.	3.2	53
11	Exploring the water/oil/water interface of phospholipid stabilized double emulsions by micro-focusing synchrotron SAXS. RSC Advances, 2019, 9, 33429-33435.	1.7	5
12	Taking the Students to the Landfillâ€"The Role of Universities in Disseminating Knowledge About Waste Management. World Sustainability Series, 2019, , 549-557.	0.3	0
13	Structural Characterization of Self-Assembling Hybrid Nanoparticles for Bisphosphonate Delivery in Tumors. Molecular Pharmaceutics, 2018, 15, 1258-1265.	2.3	10
14	Green Synthesis of Gold Nanoparticles from Extracts of Cucurbita pepo L. Leaves: Insights on the Role of Plant Ageing. Lecture Notes in Bioengineering, 2018, , 155-164.	0.3	13
15	Unconventional and Sustainable Nanovectors for Phytohormone Delivery: Insights on Olea europaea. ACS Sustainable Chemistry and Engineering, 2018, 6, 15022-15031.	3.2	17
16	Signal Transduction and Communication Through Model Membranes in Networks of Coupled Chemical Oscillators. Communications in Computer and Information Science, 2018, , 16-31.	0.4	2
17	Sustainable strategies for large-scale nanotechnology manufacturing in the biomedical field. Green Chemistry, 2018, 20, 3897-3907.	4.6	35
18	Chemical communication and dynamics of droplet emulsions in networks of Belousovâ€“Zhabotinsky micro-oscillators produced by microfluidics. Lab on A Chip, 2017, 17, 1179-1189.	3.1	46

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19	Tuning the Chemical Communication of Oscillating Microdroplets by Means of Membrane Composition. Journal of Physical Chemistry C, 2017, 121, 13256-13264.	1.5	26
20	Complexation of short ds RNA/DNA oligonucleotides with Gemini micelles: a time resolved SAXS and computational study. Physical Chemistry Chemical Physics, 2017, 19, 3046-3055.	1.3	6
21	Gold Nanoparticles from Vegetable Extracts Using Different Plants from the Market: A Study on Stability, Shape and Toxicity. ChemistrySelect, 2017, 2, 9777-9782.	0.7	8
22	Lipid-Stabilized Waterâ€“Oil Interfaces Studied by Microfocusing Small-Angle X-ray Scattering. Langmuir, 2017, 33, 9100-9105.	1.6	8
23	Small Angle X-ray and Neutron Scattering: Powerful Tools for Studying the Structure of Drug-Loaded Liposomes. Pharmaceutics, 2016, 8, 10.	2.0	67
24	An improved neutron autoradiography set-up for 10 B concentration measurements in biological samples. Reports of Practical Oncology and Radiotherapy, 2016, 21, 123-128.	0.3	24
25	Lipoplexes from Non-viral Cationic Vectors: DOTAP-DOPE Liposomes and Gemini Micelles. Methods in Molecular Biology, 2016, 1445, 33-43.	0.4	9
26	Antibiotic delivery by liposomes from prokaryotic microorganisms: Similia cum similis works better. European Journal of Pharmaceutics and Biopharmaceutics, 2015, 94, 411-418.	2.0	25
27	Physico-chemical properties of gemini micelles studied by X-ray scattering and ESR spectroscopy. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2015, 472, 101-108.	2.3	8
28	Cucurbita pepoL. extracts as a versatile hydrotropic source for the synthesis of gold nanoparticles with different shapes. Green Chemistry Letters and Reviews, 2015, 8, 39-47.	2.1	30
29	Interaction of the Belousovâ€“Zhabotinsky Reaction with Phospholipid Engineered Membranes. Journal of Physical Chemistry B, 2015, 119, 10224-10230.	1.2	29
30	Scanning Electrochemical Microscopy of Belousovâ€“Zhabotinsky Reaction: How Confined Oscillations Reveal Short Lived Radicals and Auto-Catalytic Species. Analytical Chemistry, 2015, 87, 9621-9630.	3.2	20
31	Advances in Lipid-Based Platforms for RNAi Therapeutics. Journal of Medicinal Chemistry, 2014, 57, 1138-1146.	2.9	21
32	Chemical communication between liposomes encapsulating a chemical oscillatory reaction. Chemical Science, 2014, 5, 1854-1859.	3.7	71
33	Time resolved SAXS to study the complexation of siRNA with cationic micelles of divalent surfactants. Soft Matter, 2014, 10, 2226-2233.	1.2	19
34	Functionalized Clay Microparticles as Catalysts for Chemical Oscillators. Journal of Physical Chemistry C, 2014, 118, 24389-24396.	1.5	10
35	Boron concentration measurements by alpha spectrometry and quantitative neutron autoradiography in cells and tissues treated with different boronated formulations and administration protocols. Applied Radiation and Isotopes, 2014, 88, 78-80.	0.7	5
36	Approaches to Molecular Communication Between Synthetic Compartments Based on Encapsulated Chemical Oscillators. Communications in Computer and Information Science, 2014, , 58-74.	0.4	8

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37	Rational design of gold nanoparticles functionalized with carboranes for application in Boron Neutron Capture Therapy. International Journal of Pharmaceutics, 2013, 458, 340-346.	2.6	30
38	Carboranyl-porphyrazines and derivatives for boron neutron capture therapy: From synthesis to in vitro tests. Coordination Chemistry Reviews, 2013, 257, 2213-2231.	9.5	37
39	Boron as a platform for new drug design. Expert Opinion on Drug Discovery, 2012, 7, 1017-1027.	2.5	35
40	Complexing a small interfering RNA with divalent cationic surfactants. Soft Matter, 2012, 8, 749-756.	1.2	26
41	Using Liposomes as Carriers for Polyphenolic Compounds: The Case of Trans-Resveratrol. PLoS ONE, 2012, 7, e41438.	1.1	99
42	Macroscopic Dynamics as Reporter of Mesoscopic Organization: The Belousovâ^'Zhabotinsky Reaction in Aqueous Layers of DPPC Lamellar Phases. Journal of Physical Chemistry A, 2011, 115, 3227-3232.	1.1	5
43	Surfaceâ€enhanced Raman spectra of dimethoate and omethoate. Journal of Raman Spectroscopy, 2011, 42, 980-985.	1.2	35
44	Carborane-Conjugated 2-Quinolinecarboxamide Ligands of the Translocator Protein for Boron Neutron Capture Therapy. Bioconjugate Chemistry, 2010, 21, 2213-2221.	1.8	13
45	DNA induced dimerization of a sulfhydryl surfactant in transfection agents studied by ESR spectroscopy. Biophysical Chemistry, 2010, 151, 81-85.	1.5	8
46	Bioreducible Liposomes for Gene Delivery: From the Formulation to the Mechanism of Action. PLoS ONE, 2010, 5, e13430.	1.1	59
47	Carboranylporphyrazines for anti-cancer therapies: synthesis and physicochemical properties. Journal of Porphyrins and Phthalocyanines, 2010, 14, 678-688.	0.4	7
48	Hydrotropic Solubilization of Gold Nanoparticles Functionalized with Proto-Alkylthioporphyrazines. Journal of Physical Chemistry C, 2009, 113, 8537-8540.	1.5	7
49	Dissecting the Inhibition Mechanism of Cytosolic versus Transmembrane Carbonic Anhydrases by ESR. Journal of Physical Chemistry B, 2009, 113, 13998-14005.	1.2	11
50	Study of bradykinin conformation in the presence of model membrane by Nuclear Magnetic Resonance and molecular modelling. Biochimica Et Biophysica Acta - Biomembranes, 2009, 1788, 708-716.	1.4	27
51	Structural study of liposomes loaded with a GM3 lactone analogue for the targeting of tumor epitopes. Biochimica Et Biophysica Acta - Biomembranes, 2009, 1788, 2518-2525.	1.4	14
52	Carborane Derivatives Loaded into Liposomes as Efficient Delivery Systems for Boron Neutron Capture Therapy. Journal of Medicinal Chemistry, 2009, 52, 7829-7835.	2.9	65
53	A dimerizable cationic lipid with potential for gene delivery. Journal of Gene Medicine, 2008, 10, 637-645.	1.4	24
54	Dynamics of pattern formation in biomimetic systems. Journal of Theoretical Biology, 2008, 255, 404-412.	0.8	42

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55	Carbonic anhydrase inhibitors: Design of spin-labeled sulfonamides incorporating TEMPO moieties as probes for cytosolic or transmembrane isozymes. Bioorganic and Medicinal Chemistry Letters, 2008, 18, 3475-3480.	1.0	16
56	Small Angle Scattering and Zeta Potential of Liposomes Loaded with Octa(carboranyl)porphyrazine. Journal of Physical Chemistry B, 2007, 111, 10357-10364.	1.2	36
57	Synthesis and Liposome Insertion of a New Poly(carboranylalkylthio)porphyrazine to Improve Potentiality in Multiple-Approach Cancer Therapy. Journal of the American Chemical Society, 2007, 129, 2728-2729.	6.6	36
58	Synthesis, Conformational Studies, Binding Assessment and Liposome Insertion of a Thioetherâ€Bridged Mimetic of the Antigen GM3 Ganglioside Lactone. ChemBioChem, 2007, 8, 1646-1649.	1.3	20
59	Interplay between the Belousovâ€“Zhabotinsky reactionâ€“diffusion system and biomimetic matrices. Chemical Physics Letters, 2007, 436, 175-178.	1.2	17
60	Solution behavior of a sugar-based carborane for boron neutron capture therapy: A nuclear magnetic resonance investigation. Biophysical Chemistry, 2007, 125, 320-327.	1.5	14
61	DOTAP/DOPE and DC-Chol/DOPE lipoplexes for gene delivery studied by circular dichroism and other biophysical techniques. Biophysical Chemistry, 2007, 127, 213-220.	1.5	37
62	Insertion of a magnesium(II)-octacarboranyl(hexylsulfanyl) porphyrazine into liposomes: A physico-chemical study. Biophysical Chemistry, 2007, 131, 43-51.	1.5	23
63	Effect of the preparation procedure on the structural properties of oligonucleotide/cationic liposome complexes (lipoplexes) studied by electron spin resonance and Zeta potential. Biophysical Chemistry, 2007, 131, 80-87.	1.5	29
64	Physico-chemical characterization and transfection efficacy of cationic liposomes containing the pEGFP plasmid. Biophysical Chemistry, 2006, 121, 21-29.	1.5	51
65	ToF-SIMS and PCA studies of Seggianese olives and olive oil. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2006, 279, 225-232.	2.3	9
66	An experimental model for mimicking biological systems. International Journal of Ecodynamics, 2006, 1, 55-63.	0.4	7
67	Structural Characterization of Cationic Liposomes Loaded with Sugar-Based Carboranes. Biophysical Journal, 2005, 88, 535-547.	0.2	53
68	DOTAP/DOPE and DC-Chol/DOPE lipoplexes for gene delivery: zeta potential measurements and electron spin resonance spectra. Biochimica Et Biophysica Acta - Biomembranes, 2004, 1664, 70-79.	1.4	108
69	Characterization of Persistent Intramolecular C-Hâ‹…â‹…â‹…X(N,O) Bonds in Solid State and Solution. Chemistry - A European Journal, 2004, 10, 3177-3183.	1.7	32
70	On the carrier properties of perfluoropolyetherâ€“betaine mixed vesicles: the contribution of electron spin resonance spectroscopy. Journal of Fluorine Chemistry, 2004, 125, 253-259.	0.9	3
71	Boronphenylalanine insertion in cationic liposomes for Boron Neutron Capture Therapy. Biophysical Chemistry, 2004, 111, 27-34.	1.5	22
72	Characterization of carriers for drug delivery in boron neutron capture therapy. Electron spin resonance study of nitroxide-containing liposomes. , 2004, , 146-150.		0

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73	Chemical Waves and Pattern Formation in the 1,2-Dipalmitoyl-sn-glycero-3-phosphocholine/Water Lamellar System. Journal of the American Chemical Society, 2004, 126, 11406-11407.	6.6	42
74	DOTAP/DOPE and DC-Chol/DOPE lipoplexes for gene delivery: zeta potential measurements and electron spin resonance spectra. Biochimica Et Biophysica Acta - Biomembranes, 2004, 1664, 70-70.	1.4	1
75	Association of sugar-based carboranes with cationic liposomes: an electron spin resonance and light scattering study. Biochimica Et Biophysica Acta - Biomembranes, 2004, 1664, 53-63.	1.4	26
76	Electron Spin Resonance and Differential Scanning Calorimetry as Combined Tools for the Study of Liposomes in the Presence of Long Chain Nitroxides. Journal of Physical Chemistry B, 2002, 106, 10468-10473.	1.2	13
77	Evidences of Strong Câ^'HÂ·Â·Â·Â·O Bond in ano-Carboranyl Î²-Lactoside in Solution. Journal of the American Chemical Society, 2002, 124, 8778-8779.	6.6	41
78	Aggregate Structures in a Dilute Aqueous Dispersion of a Fluorinated/Hydrogenated Surfactant System. A Cryo-Transmission Electron Microscopy Study. Langmuir, 2001, 17, 2340-2345.	1.6	37
79	Cu(II) complexes in bacterial growth medium: electron spin resonance study. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2000, 56, 341-349.	2.0	4
80	EPR and SQUID magnetometry study of Cu 2 FeSnS 4 (stannite) and Cu 2 ZnSnS 4 (kesterite). Physics and Chemistry of Minerals, 2000, 27, 453-461.	0.3	78
81	Partial Orientation of Cytochrome c in a Lyotropic Liquid Crystal:â€‰ Residual Hâ^'H Dipolar Coupling. Journal of Physical Chemistry B, 2000, 104, 10653-10658.	1.2	11
82	Spectroscopic characterization of fluorinated/hydrogenated mixed vesicles containing fluorinated Mn(III)-porphyrin. Inorganica Chimica Acta, 1998, 272, 274-282.	1.2	8
83	Synthesis, Spectroscopy and Electrochemistry of Lanthanide Bis-(ethylsulfanyl)tetraazaporphyrins. Journal of Porphyrins and Phthalocyanines, 1998, 02, 177-188.	0.4	18
84	Stability of water-soluble and lipid-soluble paramagnetic probes in Bacillus subtilis. Biochimica Et Biophysica Acta - General Subjects, 1998, 1425, 387-397.	1.1	6
85	Mixed Fluorocarbon/Hydrocarbon Surfactant Vesicles as Carriers of Metalloproteins:â€‰ Scattering and Magnetic Resonance Experiments. Journal of Physical Chemistry A, 1998, 102, 5476-5480.	1.1	7
86	Magnetic Resonance Characterization of Betaine Micelles and Betaineâ^'Perfluoropolyether Mixed Vesicles. Journal of Physical Chemistry B, 1997, 101, 4155-4165.	1.2	24
87	Fluorinated/Hydrogenated Mixed Vesicles as Carrier of Model Biomolecules:â€‰ A Spectroscopic Study. Journal of Physical Chemistry B, 1997, 101, 8507-8512.	1.2	11
88	Spontaneous Formation of Monodisperse Vesicles in Dilute Aqueous Solutions of PFPE and Betaine. Langmuir, 1996, 12, 686-690.	1.6	24
89	Paramagnetic probes for the investigation of ordered and disordered perfluorosurfactants, perfluoropolyethers and perfluorinated ionomers. Advances in Colloid and Interface Science, 1995, 57, 65-122.	7.0	17
90	Infrared Investigation of the Water Structure in Perfluoropolyether/Water System. The Journal of Physical Chemistry, 1995, 99, 1120-1123.	2.9	9

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91	ESR Spectroscopy of Metal Bis(2-ethylhexyl) Sulfosuccinate Aggregates in Cyclohexane. The Journal of Physical Chemistry, 1995, 99, 3939-3942.	2.9	4
92	ESR Probes for the Study of the Aggregational Behavior of Perfluoropolyether Surfactants and of the Physical Status of Interlamellar Water. 1. Cu(II) Probe. The Journal of Physical Chemistry, 1995, 99, 9876-9881.	2.9	4
93	ESR Probes for the Study of the Aggregational Behavior of Perfluoropolyether Surfactants and of the Physical Status of Interlamellar Water. 2. Mn(II) Probe. The Journal of Physical Chemistry, 1995, 99, 17886-17890.	2.9	5
94	Electron Spin Echo Study of Doxyl Spin Probes in Micellar Systems of Ammonium Perfluorooctanoate. The Journal of Physical Chemistry, 1994, 98, 2125-2128.	2.9	16
95	ESR and scattering studies of perfluorinated surfactants in ordered and disordered systems. Applied Magnetic Resonance, 1994, 6, 29-50.	0.6	10
96	Magnetic resonance study on lamellar phases of ammonium perfluorooctanoate. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 1993, 80, 113-120.	2.3	4
97	Investigation of a liquid crystal dispersed in an ionic polymeric membrane. Chemistry of Materials, 1993, 5, 1570-1576.	3.2	9
98	Small angle scattering study of perfluoropolyethers/water systems. The Journal of Physical Chemistry, 1993, 97, 8664-8668.	2.9	17
99	Spectroscopic characterization of lyotropic phases of perfluoropolyether derivatives. , 1993, , 337-340.		2
100	Electron paramagnetic resonance lineshape analysis of small and large probes introduced into micellar aqueous solutions of ammonium pentadecafluorooctanoate. Langmuir, 1992, 8, 1937-1942.	1.6	33
101	Characterization of micellar solutions of perfluorinated polyethers by electron paramagnetic resonance spectroscopy: limits and reliability. Langmuir, 1991, 7, 1958-1962.	1.6	17
102	ESR of spin-labeled cross-linked perfluoropolyethers and properties of adsorbed water. Macromolecules, 1991, 24, 1050-1054.	2.2	6
103	Structure and mobility of vanadyl(2+) ion in water adsorbed onto silica gels studied by X- and S-band electron spin resonance spectroscopy and by electron nuclear double resonance spectroscopy. Langmuir, 1991, 7, 755-759.	1.6	5
104	Adsorption of nitroxide-heavy water (D2O) solutions on X and Y zeolites studied by electron spin resonance and electron spin echo spectroscopies. The Journal of Physical Chemistry, 1990, 94, 7607-7611.	2.9	11
105	Aggregation of perfluorinated polymers in aqueous solution studied by ESR. Colloids and Surfaces, 1990, 45, 177-184.	0.9	19
106	Electron spin echo decays of nitroxide solutions adsorbed on zeolites. Colloids and Surfaces, 1990, 45, 145-153.	0.9	4
107	Nitroxide radicals as probes for water mobility in perfluorinated membrane. Journal of Colloid and Interface Science, 1989, 128, 76-87.	5.0	9
108	The state of hydrated vanadyl ions adsorbed on a perfluorinated ionomer as studied by ESR and ENDOR. Macromolecules, 1989, 22, 1743-1748.	2.2	14