Nora Ventosa

List of Publications by Year
in descending order

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87 papers	2,451 citations	201674 27 h-index	223800 46 g-index
93 all docs	93 docs citations	93 times ranked	3134 citing authors

#	Article	IF	Citations
1	Engineering pHâ€Sensitive Stable Nanovesicles for Delivery of MicroRNA Therapeutics. Small, 2022, 18, e2101959.	10.0	13
2	DELOS Nanovesicles-Based Hydrogels: An Advanced Formulation for Topical Use. Pharmaceutics, 2022, 14, 199.	4.5	4
3	Methods for Processing Protein Aggregates into Surfaces. Methods in Molecular Biology, 2022, 2406, 517-530.	0.9	2
4	Methods for the Characterization of Protein Aggregates. Methods in Molecular Biology, 2022, 2406, 479-497.	0.9	2
5	Quatsomes Formulated with <scp>l</scp>-Prolinol-Derived Surfactants as Antibacterial Nanocarriers of (+)-Usnic Acid with Antioxidant Activity. ACS Applied Nano Materials, 2022, 5, 6140-6148.	5.0	6
6	Increasing resonance energy transfer upon dilution: a counterintuitive observation in CTAB micelles. Journal of Materials Chemistry C, 2021, 9, 10952-10964.	5.5	8
7	Impact of Chemical Composition on the Nanostructure and Biological Activity of Î±-Galactosidase-Loaded Nanovesicles for Fabry Disease Treatment. ACS Applied Materials & Interfaces, 2021, 13, 7825-7838.	8.0	16
8	Recombinant Human Epidermal Growth Factor/Quatsome Nanoconjugates: A Robust Topical Delivery System for Complex Wound Healing. Advanced Therapeutics, 2021, 4, 2000260.	3.2	12
9	Application of Quality by Design to the robust preparation of a liposomal GLA formulation by DELOS-susp method. Journal of Supercritical Fluids, 2021, 173, 105204.	3.2	18
10	Engineering DNAâ€Crafted Quatsomes as Stable Nucleic Acidâ€Responsive Fluorescent Nanovesicles. Advanced Functional Materials, 2021, 31, 2103511.	14.9	9
11	Homogeneous and stable (+)-usnic acid loaded liposomes prepared by compressed CO2. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2021, 624, 126749.	4.7	6
12	Pressure drop particle precipitation from a quasi-incompressible, ternary and liquid mixture. Journal of Supercritical Fluids, 2021, 175, 105301.	3.2	0
13	Polylactide, Processed by a Foaming Method Using Compressed Freon R134a, for Tissue Engineering. Polymers, 2021, 13, 3453.	4.5	0
14	Use of N-oxide and cationic surfactants to enhance antioxidant properties of (+)-usnic acid loaded liposomes. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2020, 585, 124154.	4.7	18
15	MKC-Quatsomes: a stable nanovesicle platform for bio-imaging and drug-delivery applications. Nanomedicine: Nanotechnology, Biology, and Medicine, 2020, 24, 102136.	3.3	17
16	Stable anchoring of bacteria-based protein nanoparticles for surface enhanced cell guidance. Journal of Materials Chemistry B, 2020, 8, 5080-5088.	5.8	11
17	Dye-Loaded Quatsomes Exhibiting FRET as Nanoprobes for Bioimaging. ACS Applied Materials & Interfaces, 2020, 12, 20253-20262.	8.0	24
18	A fast and remote screening method for sub-micro-structuration in pressurized mixtures containing water and carbon dioxide. Journal of Supercritical Fluids, 2019, 152, 104555.	3.2	3

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19	High-Throughput Cell Motility Studies on Surface-Bound Protein Nanoparticles with Diverse Structural and Compositional Characteristics. ACS Biomaterials Science and Engineering, 2019, 5, 5470-5480.	5.2	7
20	Impact of physicochemical properties of DNA/PEI complexes on transient transfection of mammalian cells. New Biotechnology, 2019, 49, 88-97.	4.4	33
21	Nanostructuring Lipophilic Dyes in Water Using Stable Vesicles, Quatsomes, as Scaffolds and Their Use as Probes for Bioimaging. Small, 2018, 14, e1703851.	10.0	25
22	Insights into the structure and nanomechanics of a quatsome membrane by force spectroscopy measurements and molecular simulations. Nanoscale, 2018, 10, 23001-23011.	5.6	13
23	Pulling lipid tubes from supported bilayers unveils the underlying substrate contribution to the membrane mechanics. Nanoscale, 2018, 10, 14763-14770.	5.6	17
24	Highly Stable and Redâ€Emitting Nanovesicles Incorporating Lipophilic Diketopyrrolopyrroles for Cell Imaging. Chemistry - A European Journal, 2018, 24, 11386-11392.	3.3	20
25	Pressure-Responsive, Surfactant-Free CO2-Based Nanostructured Fluids. ACS Nano, 2017, 11, 10774-10784.	14.6	15
26	Fluorenyl-Loaded Quatsome Nanostructured Fluorescent Probes. ACS Omega, 2017, 2, 4112-4122.	3.5	18
27	Highly Fluorescent Silicon Nanocrystals Stabilized in Water Using Quatsomes. Langmuir, 2017, 33, 14366-14377.	3.5	15
28	Benznidazole Nanoformulates: A Chance to Improve Therapeutics for Chagas Disease. American Journal of Tropical Medicine and Hygiene, 2017, 97, 1469-1476.	1.4	30
29	Î±â€Galactosidaseâ€A Loadedâ€Nanoliposomes with Enhanced Enzymatic Activity and Intracellular Penetration. Advanced Healthcare Materials, 2016, 5, 829-840.	7.6	40
30	Lipid-based nanovesicles for nanomedicine. Chemical Society Reviews, 2016, 45, 6520-6545.	38.1	224
31	1,2,3â€Triazoleâ€“Diketopyrrolopyrrole Derivatives with Tunable Solubility and Intermolecular Interactions. European Journal of Organic Chemistry, 2016, 2016, 2617-2627.	2.4	26
32	Methods for Characterization of Protein Aggregates. Methods in Molecular Biology, 2015, 1258, 387-401.	0.9	15
33	Particle Engineering with CO2-Expanded Solvents: The DELOS Platform. , 2015, , 73-93.		1
34	How does growth hormone releasing hexapeptide self-assemble in nanotubes?. Soft Matter, 2014, 10, 9260-9269.	2.7	7
35	Correction to A New Microcrystalline Phytosterol Polymorph Generated Using CO2-Expanded Solvents. Crystal Growth and Design, 2014, 14, 1500-1500.	3.0	0
36	Surfactant-free CO₂-based microemulsion-like systems. Chemical Communications, 2014, 50, 8215-8218.	4.1	25

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37	A New Microcrystalline Phytosterol Polymorph Generated Using CO₂-Expanded Solvents. Crystal Growth and Design, 2014, 14, 58-68.	3.0	23
38	Functionalization of 3D scaffolds with protein-releasing biomaterials for intracellular delivery. Journal of Controlled Release, 2013, 171, 63-72.	9.9	22
39	Multifunctional Nanovesicle-Bioactive Conjugates Prepared by a One-Step Scalable Method Using CO₂-Expanded Solvents. Nano Letters, 2013, 13, 3766-3774.	9.1	40
40	Supramolecular organization of protein-releasing functional amyloids solved in bacterial inclusion bodies. Acta Biomaterialia, 2013, 9, 6134-6142.	8.3	65
41	Quatsomes: Vesicles Formed by Self-Assembly of Sterols and Quaternary Ammonium Surfactants. Langmuir, 2013, 29, 6519-6528.	3.5	87
42	Two-Dimensional Microscale Engineering of Protein-Based Nanoparticles for Cell Guidance. ACS Nano, 2013, 7, 4774-4784.	14.6	32
43	Hydrophobic Gentamicin-Loaded Nanoparticles Are Effective against Brucella melitensis Infection in Mice. Antimicrobial Agents and Chemotherapy, 2013, 57, 3326-3333.	3.2	44
44	Nanostructuring molecular materials as particles and vesicles for drug delivery, using compressed and supercritical fluids. Nanomedicine, 2012, 7, 1391-1408.	3.3	31
45	Cellular pharmacokinetics and intracellular activity against Listeria monocytogenes and Staphylococcus aureus of chemically modified and nanoencapsulated gentamicin. Journal of Antimicrobial Chemotherapy, 2012, 67, 2158-2164.	3.0	30
46	Influence of the Preparation Route on the Supramolecular Organization of Lipids in a Vesicular System. Journal of the American Chemical Society, 2012, 134, 1918-1921.	13.7	68
47	Observation of Inhomogeneity in the Lipid Composition of Individual Nanoscale Liposomes. Biophysical Journal, 2012, 102, 426a.	0.5	2
48	Crystallization of Microparticulate Pure Polymorphs of Active Pharmaceutical Ingredients Using CO₂-Expanded Solvents. Crystal Growth and Design, 2012, 12, 1717-1726.	3.0	17
49	Phase behavior of phytosterols and cholesterol in carbon dioxide-expanded ethanol. Journal of Supercritical Fluids, 2012, 63, 59-68.	3.2	12
50	Tunneling versus Hopping in Mixed-Valence Oligo-p-phenylenevinylene Polychlorinated Bis(triphenylmethyl) Radical Anions. Journal of the American Chemical Society, 2011, 133, 5818-5833.	13.7	81
51	Polymorphs and Solvates of Nicardipine Hydrochloride. Selective Stabilization of Different Diastereomeric Racemates. Molecular Pharmaceutics, 2011, 8, 395-404.	4.6	11
52	Liposomes and Other Vesicular Systems. Progress in Molecular Biology and Translational Science, 2011, 104, 1-52.	1.7	63
53	High Loading of Gentamicin in Bioadhesive PVM/MA Nanostructured Microparticles Using Compressed Carbon-Dioxide. Pharmaceutical Research, 2011, 28, 309-321.	3.5	38
54	Novel bioactive hydrophobic gentamicin carriers for the treatment of intracellular bacterial infections. Acta Biomaterialia, 2011, 7, 1599-1608.	8.3	56

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55	Bacterially produced inclusion bodies as biocompatible materials for substrate-dependent mammalian cell proliferation. Journal of Biotechnology, 2010, 150, 434-435.	3.8	0
56	Cholesterol induced CTAB micelle-to-vesicle phase transitions. Journal of Colloid and Interface Science, 2010, 350, 10-15.	9.4	71
57	The nanoscale properties of bacterial inclusion bodies and their effect on mammalian cell proliferation. Biomaterials, 2010, 31, 5805-5812.	11.4	67
58	Preparation of biodegradable poly (methyl vinyl ether-co-maleic anhydride) nanostructured microparticles by precipitation with a compressed antisolvent. Journal of Supercritical Fluids, 2010, 53, 108-114.	3.2	25
59	Kinetically Driven Crystallization of a Pure Polymorphic Phase of Stearic Acid from CO₂-Expanded Solutions. Crystal Growth and Design, 2010, 10, 1226-1232.	3.0	34
60	Particle-size dependence of magnetization relaxation inMn12crystals. Physical Review B, 2009, 79, .	3.2	42
61	Specific solvent effects on the intramolecular electron transfer reaction in a neutral ferrocene donor polychlorotriphenylmethyl acceptor radical with extended conjugation. Solid State Sciences, 2009, 11, 786-792.	3.2	11
62	Surface Cell Growth Engineering Assisted by a Novel Bacterial Nanomaterial. Advanced Materials, 2009, 21, 4249-4253.	21.0	73
63	Bacterial inclusion bodies as novel functional and biocompatible nanomaterials. New Biotechnology, 2009, 25, S27.	4.4	0
64	Versatile chemoselectivity in Ni-catalyzed multiple bond carbonylations and cyclocarbonylations in CO2-expanded liquids. Chemical Communications, 2009, , 4723.	4.1	17
65	Solubility behaviors of ibuprofen and naproxen drugs in liquid â€œCO2â€“organic solventâ€•mixtures. Journal of Supercritical Fluids, 2008, 47, 147-153.	3.2	49
66	Synergistic solubility behaviour of a polyoxyalkylene block co-polymer and its precipitation from liquid CO2-expanded ethanol as solid microparticles. Journal of Supercritical Fluids, 2008, 47, 290-295.	3.2	10
67	Preparation of Uniform Rich Cholesterol Unilamellar Nanovesicles Using CO₂-Expanded Solvents. Langmuir, 2008, 24, 2433-2437.	3.5	53
68	Solvent Tuning from Normal to Inverted Marcus Region of Intramolecular Electron Transfer in Ferrocene-Based Organic Radicals. Journal of the American Chemical Society, 2007, 129, 6117-6129.	13.7	87
69	Controlled crystallization of Mn12single-molecule magnets by compressed CO2and its influence on the magnetization relaxation. Journal of Materials Chemistry, 2006, 16, 2612-2617.	6.7	16
70	Use of 1,1,1,2-Tetrafluoroethane (R-134a)-Expanded Liquids as Solvent Media for Ecoefficient Particle Design with the DELOS Crystallization Process. Crystal Growth and Design, 2006, 6, 23-25.	3.0	18
71	Soluteâ€“solvent interactions governing preferential solvation phenomena of acetaminophen in CO2-expanded organic solutions. Journal of Supercritical Fluids, 2006, 38, 295-305.	3.2	14
72	Micronization of the chitosan derivatives d-Glucosamine Hydrochloride and d-Glucosamine Sulphate salts by dense gas anti-solvent precipitation techniques. Journal of Supercritical Fluids, 2006, 38, 94-102.	3.2	15

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73	Synergistic Enhancement of the Solubility of Hexamethylenetetramine in Subcritical CO2-Ethanol Mixtures Studied by Infrared Spectroscopy. ChemPhysChem, 2005, 6, 587-590.	2.1	8
74	Magneto-structural defects on a congested nanoscopic polyradical dendrimer. Journal of Physics and Chemistry of Solids, 2004, 65, 737-744.	4.0	4
75	Molecular Insight, through IR Spectroscopy, on Solvating Phenomena Occurring in CO2-Expanded Solutions. ChemPhysChem, 2004, 5, 243-245.	2.1	25
76	DELOS process: a crystallization technique using compressed fluids. Journal of Supercritical Fluids, 2003, 26, 33-45.	3.2	78
77	Stereoisomerism of Molecular Multipropellers. 2. Dynamic Stereochemistry of Bis- and Tris-Triaryl Systems. Journal of Organic Chemistry, 2001, 66, 1579-1589.	3.2	20
78	Stereoisomerism of Molecular Multipropellers. 1. Static Stereochemistry of Bis- and Tris-triaryl Systems. Journal of Organic Chemistry, 2001, 66, 1567-1578.	3.2	19
79	Depressurization of an Expanded Liquid Organic Solution (DELOS):â€‰ A New Procedure for Obtaining Submicron- or Micron-Sized Crystalline Particles. Crystal Growth and Design, 2001, 1, 299-303.	3.0	62
80	Influence of the Molecular Surface Characteristics of the Diastereoisomers of a Quartet Molecule on their Physicochemical Properties: A Linear Solvation Free-Energy Study. Chemistry - A European Journal, 1999, 5, 3533-3548.	3.3	24
81	Crystal Structures of Chiral Diastereoisomers of a Carbon-Based High-Spin Molecule. Angewandte Chemie - International Edition, 1998, 37, 330-333.	13.8	33
82	Crystal Structures of Chiral Diastereoisomers of a Carbon-Based High-Spin Molecule. Angewandte Chemie - International Edition, 1998, 37, 330-333.	13.8	1
83	Consequences of the fractal character of dendritic high-spin macromolecules on their physicochemical properties. Advances in Dendritic Macromolecules, 1996, , 27-59.	0.6	0
84	Synthesis, Structure, and Antitumour Testing of Platinum(II) and Palladium(II) Complexes of 1,6â€Diaminotetrahydropyrrolo[2,3â€b]pyroleâ€2,5(1H,4H)â€dione. Chemische Berichte, 1993, 126, 2159-2165.	0.2	4
85	Stable polyradicals with high-spin ground states. 2. Synthesis and characterization of a complete series of polyradicals derived from 2,4,6-trichloro-.alpha.,.alpha.,.alpha.',.alpha.',.alpha.'',.alpha.''-hexakis(pentachlorophenyl)mesitylene with S = 1/2, 1, and 3/2 ground states. Journal of the American Chemical Society, 1993, 115, 57-64.	13.7	131
86	Dendrimeric Hyperbranched Alkylaromatic Polyradicals with Mesoscopic Dimensions and High-Spin Ground States. Molecular Crystals and Liquid Crystals, 1993, 232, 333-342.	0.3	16
87	Stable polyradicals with high spin ground states towards highly magnetic materials. Synthetic Metals, 1991, 43, 3285.	3.9	0