

Simona Sennato

List of Publications by Year in descending order

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104
papers

1,995
citations

201674

27
h-index

345221

36
g-index

106
all docs

106
docs citations

106
times ranked

2755
citing authors

#	ARTICLE	IF	CITATIONS
1	New Cationic Liposomes as Vehicles of <i>m</i> -Tetrahydroxyphenylchlorin in Photodynamic Therapy of Infectious Diseases. <i>Molecular Pharmaceutics</i> , 2008, 5, 672-679.	4.6	94
2	Complexation of Anionic Polyelectrolytes with Cationic Liposomes: Evidence of Reentrant Condensation and Lipoplex Formation. <i>Langmuir</i> , 2004, 20, 5214-5222.	3.5	63
3	Direct Evidence of Multicompartement Aggregates in Polyelectrolyte-Charged Liposome Complexes. <i>Biophysical Journal</i> , 2006, 91, 1513-1520.	0.5	61
4	Adipocyte metabolism is improved by TNF receptor-targeting small RNAs identified from dried nuts. <i>Communications Biology</i> , 2019, 2, 317.	4.4	59
5	Evidence of Domain Formation in Cardiolipin-Glycerophospholipid Mixed Monolayers. A Thermodynamic and AFM Study. <i>Journal of Physical Chemistry B</i> , 2005, 109, 15950-15957.	2.6	58
6	Direct interaction of hydrophilic gold nanoparticles with dexamethasone drug: Loading and release study. <i>Journal of Colloid and Interface Science</i> , 2014, 418, 52-60.	9.4	56
7	Chitosan-DNA complexes: Charge inversion and DNA condensation. <i>Colloids and Surfaces B: Biointerfaces</i> , 2014, 114, 1-10.	5.0	47
8	Second Harmonic Generation Circular Dichroism from Self-Ordered Hybrid Plasmonic-Photonic Nanosurfaces. <i>Advanced Optical Materials</i> , 2014, 2, 208-213.	7.3	46
9	Hybrid Niosome Complexation in the Presence of Oppositely Charged Polyions. <i>Journal of Physical Chemistry B</i> , 2008, 112, 3720-3727.	2.6	40
10	Polyelectrolyte-induced aggregation of liposomes: a new cluster phase with interesting applications. <i>Journal of Physics Condensed Matter</i> , 2009, 21, 203102.	1.8	38
11	On-chip detection of multiple serum antibodies against epitopes of celiac disease by an array of amorphous silicon sensors. <i>RSC Advances</i> , 2014, 4, 2073-2080.	3.6	38
12	Designing unconventional Fmoc-peptide-based biomaterials: structure and related properties. <i>Soft Matter</i> , 2014, 10, 1944.	2.7	37
13	Tailoring Supramolecular Nanotubes by Bile Salt Based Surfactant Mixtures. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 7018-7021.	13.8	37
14	Characterization of Carbon Nanotube Dispersions in Solutions of Bile Salts and Derivatives Containing Aromatic Substituents. <i>Journal of Physical Chemistry B</i> , 2014, 118, 1012-1021.	2.6	35
15	Amino acid-bile acid based molecules: extremely narrow surfactant nanotubes formed by a phenylalanine-substituted cholic acid. <i>Chemical Communications</i> , 2012, 48, 12011.	4.1	34
16	Between Peptides and Bile Acids: Self-Assembly of Phenylalanine Substituted Cholic Acids. <i>Journal of Physical Chemistry B</i> , 2013, 117, 9248-9257.	2.6	33
17	Preparation of Lignin Nanoparticles with Entrapped Essential Oil as a Bio-Based Biocide Delivery System. <i>ACS Omega</i> , 2020, 5, 358-368.	3.5	33
18	Correlated adsorption of polyelectrolytes in the charge inversion of colloidal particles. <i>Europhysics Letters</i> , 2004, 68, 296-302.	2.0	32

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19	Chitosanâ€“DNA complexes: Effect of molecular parameters on the efficiency of delivery. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2014, 460, 184-190.	4.7	32
20	Study of network composition in interpenetrating polymer networks of poly(N isopropylacrylamide) microgels: The role of poly(acrylic acid). <i>Journal of Colloid and Interface Science</i> , 2019, 545, 210-219.	9.4	32
21	Aggregation and stability of polyelectrolyte-decorated liposome complexes in waterâ€“salt media. <i>Soft Matter</i> , 2012, 8, 9384.	2.7	30
22	Multicompartment vectors as novel drug delivery systems: selective activation of T ^H 1 lymphocytes after zoledronic acid delivery. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , 2011, 7, 153-161.	3.3	28
23	Glucose level determination with a multi-enzymatic cascade reaction in a functionalized glass chip. <i>Analyst</i> , 2013, 138, 5019.	3.5	28
24	Fusion of gemini based cationic liposomes with cell membrane models: implications for their biological activity. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2013, 1828, 382-390.	2.6	28
25	Charged lipid monolayers at the airâ€“solution interface: coupling to polyelectrolytes. <i>Colloids and Surfaces B: Biointerfaces</i> , 2003, 29, 149-157.	5.0	27
26	On the phase diagram of reentrant condensation in polyelectrolyte-liposome complexation. <i>Journal of Chemical Physics</i> , 2004, 121, 4936-4940.	3.0	27
27	Influence of temperature on microdomain organization of mixed cationicâ€“zwitterionic lipidic monolayers at the airâ€“water interface. <i>Colloids and Surfaces B: Biointerfaces</i> , 2008, 61, 304-310.	5.0	27
28	Sugarâ€“Bile Acid-Based Bolaamphiphiles: From Scrolls to Monodisperse Single-Walled Tubules. <i>Langmuir</i> , 2014, 30, 6358-6366.	3.5	27
29	Extracellular Vesicles Derived From <i>Citrus sinensis</i> Modulate Inflammatory Genes and Tight Junctions in a Human Model of Intestinal Epithelium. <i>Frontiers in Nutrition</i> , 2021, 8, 778998.	3.7	26
30	Polyions act as an electrostatic glue for mesoscopic particle aggregates. <i>Chemical Physics Letters</i> , 2005, 409, 134-138.	2.6	25
31	Two-step deswelling in the Volume Phase Transition of thermoresponsive microgels. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, .	7.1	25
32	Hyaluronan-cholesterol nanohydrogels: Characterisation and effectiveness in carrying alginate lyase. <i>New Biotechnology</i> , 2017, 37, 80-89.	4.4	24
33	Biophysical and biological contributions of polyamine-coated carbon nanotubes and bidimensional buckypapers in the delivery of miRNAs to human cells. <i>International Journal of Nanomedicine</i> , 2017, Volume 13, 1-18.	6.7	24
34	How stereochemistry affects the physicochemical features of gemini surfactant based cationic liposomes. <i>Soft Matter</i> , 2012, 8, 5904.	2.7	23
35	Colorimetric Detection of Chromium(VI) Ions in Water Using Unfolded-Fullerene Carbon Nanoparticles. <i>Sensors</i> , 2021, 21, 6353.	3.8	23
36	Mid-Infrared Surface Plasmon Polariton Sensors Resonant with the Vibrational Modes of Phospholipid Layers. <i>Journal of Physical Chemistry C</i> , 2013, 117, 19119-19126.	3.1	22

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37	Ultrasound well below the intensity threshold of cavitation can promote efficient uptake of small drug model molecules in fibroblast cells. <i>Drug Delivery</i> , 2013, 20, 285-295.	5.7	22
38	Biosynthesis and Characterization of Cross-Linked Fmoc Peptide-Based Hydrogels for Drug Delivery Applications. <i>Gels</i> , 2015, 1, 179-193.	4.5	22
39	Properties of Mixed DOTAP~DPPC Bilayer Membranes as Reported by Differential Scanning Calorimetry and Dynamic Light Scattering Measurements. <i>Journal of Physical Chemistry B</i> , 2007, 111, 10032-10039.	2.6	21
40	Improved stability and efficacy of chitosan/pDNA complexes for gene delivery. <i>Biotechnology Letters</i> , 2015, 37, 557-565.	2.2	21
41	Dielectric properties of differently flexible polyions: a scaling approach. <i>Physical Chemistry Chemical Physics</i> , 2009, 11, 1780.	2.8	20
42	Resonating Terahertz Response of Periodic Arrays of Subwavelength Apertures. <i>Plasmonics</i> , 2015, 10, 45-50.	3.4	19
43	Salt-induced reentrant stability of polyion-decorated particles with tunable surface charge density. <i>Colloids and Surfaces B: Biointerfaces</i> , 2016, 137, 109-120.	5.0	19
44	Influence of drug/lipid interaction on the entrapment efficiency of isoniazid in liposomes for antitubercular therapy: a multi-faced investigation. <i>Colloids and Surfaces B: Biointerfaces</i> , 2021, 208, 112054.	5.0	19
45	Equilibrium particle aggregates in attractive colloidal suspensions. <i>Journal of Physics Condensed Matter</i> , 2005, 17, S3423-S3432.	1.8	18
46	Overcharging and reentrant condensation of thermoresponsive ionic microgels. <i>Soft Matter</i> , 2018, 14, 4110-4125.	2.7	18
47	The Double-Faced Electrostatic Behavior of PNIPAm Microgels. <i>Polymers</i> , 2021, 13, 1153.	4.5	18
48	Identification and Partial Characterization of Two Populations of Prostatomes by a Combination of Dynamic Light Scattering and Proteomic Analysis. <i>Journal of Membrane Biology</i> , 2015, 248, 991-1004.	2.1	17
49	Bile acid derivative-based catanionic mixtures: versatile tools for superficial charge modulation of supramolecular lamellae and nanotubes. <i>Physical Chemistry Chemical Physics</i> , 2018, 20, 18957-18968.	2.8	17
50	Effect of Gd ³⁺ on the colloidal stability of liposomes. <i>Physical Review E</i> , 2006, 74, 031913.	2.1	16
51	Synthesis and Physicochemical Characterization of New Twin-Tailed N-Oxide Based Gemini Surfactants. <i>Langmuir</i> , 2010, 26, 6177-6183.	3.5	16
52	Biophysical Characterization of Membrane Phase Transition Profiles for the Discrimination of Outer Membrane Vesicles (OMVs) From Escherichia coli Grown at Different Temperatures. <i>Frontiers in Microbiology</i> , 2020, 11, 290.	3.5	16
53	Charge Renormalization in Planar and Spherical Charged Lipidic Aqueous Interfaces. <i>Journal of Physical Chemistry B</i> , 2006, 110, 4808-4814.	2.6	15
54	Effect of Temperature on the Reentrant Condensation in Polyelectrolyte~Liposome Complexation. <i>Langmuir</i> , 2008, 24, 12181-12188.	3.5	15

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55	Dielectric scaling in polyelectrolyte solutions with different solvent quality in the dilute concentration regime. <i>Physical Chemistry Chemical Physics</i> , 2006, 8, 3653.	2.8	14
56	Conductometric evidence for intact polyion-induced liposome clusters. <i>Journal of Colloid and Interface Science</i> , 2006, 304, 512-517.	9.4	14
57	Role of Cholesterol, DOTAP, and DPPC in Prostate/Spermatozoa Interaction and Fusion. <i>Journal of Membrane Biology</i> , 2006, 211, 185-190.	2.1	14
58	Infrared Nanospectroscopy Reveals DNA Structural Modifications upon Immobilization onto Clay Nanotubes. <i>Nanomaterials</i> , 2021, 11, 1103.	4.1	14
59	Rifampicin-encapsulated Liposomes for Mycobacterium abscessus Infection Treatment: Intracellular Uptake and Antibacterial Activity Evaluation. <i>Pharmaceutics</i> , 2021, 13, 1070.	4.5	13
60	Incorporation of the bacterial reaction centre into dendrimersomes. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2012, 413, 38-43.	4.7	12
61	Kinetic and spectroscopic studies on the chiral self-aggregation of amphiphilic zinc and copper (II)-prolinate-tetraarylporphyrin derivatives in different aqueous media. <i>Organic and Biomolecular Chemistry</i> , 2019, 17, 1113-1120.	2.8	12
62	Treatments of a phthalocyanine-based green ink for tattoo removal purposes: generation of toxic fragments and potentially harmful morphologies. <i>Archives of Toxicology</i> , 2020, 94, 2359-2375.	4.2	12
63	Mannosyl, glucosyl or galactosyl liposomes to improve resveratrol efficacy against Methicillin Resistant <i>Staphylococcus aureus</i> biofilm. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2021, 617, 126321.	4.7	12
64	Conductometric properties of linear polyelectrolytes in poor-solvent condition: The necklace model. <i>Journal of Chemical Physics</i> , 2005, 122, 234906.	3.0	11
65	Radiofrequency dielectric loss relaxation in polyion-induced liposome aggregates. <i>Journal of Colloid and Interface Science</i> , 2007, 309, 366-372.	9.4	11
66	A New Nanostructured Stationary Phase for Ultra-Thin Layer Chromatography: A Brush-Gel Polymer Film. <i>Nanoscience and Nanotechnology Letters</i> , 2013, 5, 1155-1163.	0.4	11
67	Phase Behavior of DNA-Stabilized Carbon Nanotubes Dispersions: Association with Oppositely-Charged Additives. <i>Journal of Physical Chemistry C</i> , 2014, 118, 9268-9274.	3.1	11
68	Polyion-Induced Cluster Formation in Different Colloidal Polyparticle Aqueous Suspensions. <i>Langmuir</i> , 2009, 25, 5910-5917.	3.5	10
69	Characterization of the Skeletal Muscle Secretome Reveals a Role for Extracellular Vesicles and IL-1 β /IL-1 α in Restricting Fibro/Adipogenic Progenitor Adipogenesis. <i>Biomolecules</i> , 2021, 11, 1171.	4.0	10
70	Infrared spectra of phosphatidylethanolamine-cardiolipin binary system. <i>Colloids and Surfaces B: Biointerfaces</i> , 2008, 64, 56-64.	5.0	9
71	Adsorption of <i>Candida rugosa</i> lipase at water-polymer interface: The case of poly(DL)lactide. <i>Surface Science</i> , 2011, 605, 2017-2024.	1.9	9
72	A tryptophan-substituted cholic acid: Expanding the family of labelled biomolecules. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2015, 483, 142-149.	4.7	9

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73	Monosialoganglioside-GM1 triggers binding of the amyloid-protein salmon calcitonin to a Langmuir membrane model mimicking the occurrence of lipid-rafts. <i>Biochemistry and Biophysics Reports</i> , 2016, 8, 365-375.	1.3	9
74	Deoxycholic acid and L-Phenylalanine enrich their hydrogel properties when combined in a zwitterionic derivative. <i>Journal of Colloid and Interface Science</i> , 2019, 554, 453-462.	9.4	9
75	Experimental Evidence of Single-Stranded DNA Adsorption on Multiwalled Carbon Nanotubes. <i>Journal of Physical Chemistry B</i> , 2020, 124, 2514-2525.	2.6	9
76	Chapter 9: Electrical Properties of Aqueous Liposome Suspensions. <i>Behavior Research Methods</i> , 2006, 4, 281-320.	4.0	8
77	New pyrenyl fluorescent amphiphiles: synthesis and aggregation properties. <i>Soft Matter</i> , 2011, 7, 8525.	2.7	8
78	Switchable length nanotubes from a self-assembling pH and thermosensitive linear l,d-peptide-polymer conjugate. <i>Journal of Colloid and Interface Science</i> , 2019, 547, 256-266.	9.4	8
79	Role of macrophage activation in the lipid metabolism of postprandial triacylglycerol-rich lipoproteins. <i>Experimental Biology and Medicine</i> , 2013, 238, 98-110.	2.4	7
80	Tailoring Supramolecular Nanotubes by Bile Salt Based Surfactant Mixtures. <i>Angewandte Chemie</i> , 2015, 127, 7124-7127.	2.0	7
81	Label-free cell based impedance measurements of ZnO nanoparticlesâ€™human lung cell interaction: a comparison with MTT, NR, Trypan blue and cloning efficiency assays. <i>Journal of Nanobiotechnology</i> , 2021, 19, 306.	9.1	7
82	Examination of the influence of F6H10 fluorinated diblocks on DPPC liposomes. <i>Journal of Thermal Analysis and Calorimetry</i> , 2007, 87, 301-304.	3.6	6
83	Association of DNA-Stabilized Carbon Nanotubes and Cationic Surfactants: Ionic Strength and Chain Length Effects. <i>Journal of Physical Chemistry C</i> , 2016, 120, 2941-2949.	3.1	6
84	A Nanoindentation Approach for Time-Dependent Evaluation of Surface Free Energy in Micro- and Nano-Structured Titanium. <i>Materials</i> , 2022, 15, 287.	2.9	6
85	<p>A 3D-Printed Multi-Chamber Device Allows Culturing Cells On Buckypapers Coated With PAMAM Dendrimer And Obtain Innovative Materials For Biomedical Applications</p>. <i>International Journal of Nanomedicine</i> , 2019, Volume 14, 9295-9306.	6.7	5
86	Salt enhanced sedimentation of halloysite nanotubes for precise determination of DNA adsorption isotherm. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2020, 605, 125400.	4.7	5
87	C-12 vs C-3 substituted bile salts: An example of the effects of substituent position and orientation on the self-assembly of steroid surfactant isomers. <i>Colloids and Surfaces B: Biointerfaces</i> , 2020, 185, 110556.	5.0	4
88	Resveratrol loaded in cationic glucosylated liposomes to treat <i>Staphylococcus epidermidis</i> infections. <i>Chemistry and Physics of Lipids</i> , 2022, 243, 105174.	3.2	4
89	Improvement of Lipoplexes With a Sialic Acid Mimetic to Target the C1858T PTPN22 Variant for Immunotherapy in Endocrine Autoimmunity. <i>Frontiers in Immunology</i> , 2022, 13, 838331.	4.8	4
90	Responsivity of Fractal Nanoparticle Assemblies to Multiple Stimuli: Structural Insights on the Modulation of the Optical Properties. <i>Nanomaterials</i> , 2022, 12, 1529.	4.1	4

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91	Complexation of macrocyclic ligands in ionic SDS micellar solutions: A dielectric spectroscopy investigation. <i>Journal of Non-Crystalline Solids</i> , 2011, 357, 754-759.	3.1	3
92	Aggregation behaviour of triphenylphosphonium bolaamphiphiles. <i>Journal of Colloid and Interface Science</i> , 2018, 531, 451-462.	9.4	3
93	Self-assembling nanowires from a linear l,d-peptide conjugated to the dextran end group. <i>International Journal of Biological Macromolecules</i> , 2022, 207, 656-665.	7.5	3
94	Second Harmonic Generation: Second Harmonic Generation Circular Dichroism from Self-Ordered Hybrid Plasmonic-Photonic Nanosurfaces (<i>Advanced Optical Materials</i> 3/2014). <i>Advanced Optical Materials</i> , 2014, 2, 207-207.	7.3	2
95	Effect of preparation protocol on physicochemical features and biointeractions of pegylated liposomes. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2017, 532, 444-450.	4.7	2
96	Synthesis and Characterization of Mitochondria-Targeted Triphenylphosphonium Bolaamphiphiles. <i>Methods in Molecular Biology</i> , 2021, 2275, 27-47.	0.9	2
97	Laser vs. thermal treatments of green pigment PG36: coincidence and toxicity of processes. <i>Archives of Toxicology</i> , 2021, 95, 2367-2383.	4.2	2
98	Bioderived, chiral and stable 1-dimensional light-responsive nanostructures: Interconversion between tubules and twisted ribbons. <i>Journal of Colloid and Interface Science</i> , 2022, 623, 723-734.	9.4	2
99	Cluster Phases of Decorated Micellar Solutions with Macrocyclic Ligands. <i>Journal of Physical Chemistry B</i> , 2013, 117, 3613-3623.	2.6	1
100	Differential Fano interference spectroscopy of subwavelength hole arrays for mid-infrared mass sensors. , 2013, , .		1
101	The Amyloid Aggregation Study on Board the International Space Station, an Update. <i>Aerotecnica Missili & Spazio</i> , 2020, 99, 141-148.	0.9	1
102	Comparative treatments of a green tattoo ink with Ruby, Nd:YAG nano- and picosecond lasers in normal and array mode. <i>Scientific Reports</i> , 2022, 12, 3571.	3.3	1
103	2D Materials: Controlled Micro/Nanodome Formation in Proton-irradiated Bulk Transition-Metal Dichalcogenides (<i>Adv. Mater.</i> 44/2019). <i>Advanced Materials</i> , 2019, 31, 1970314.	21.0	0
104	Influence of Cortisol on the Fibril Formation Kinetics of A β 242 Peptide: A Multi-Technical Approach. <i>International Journal of Molecular Sciences</i> , 2022, 23, 6007.	4.1	0