Peter Walde

List of Publications by Year in descending order

223 papers	11,179 citations	28190 55 h-index	35952 97 g-index
239 all docs	239 docs citations	239 times ranked	9396 citing authors

#	Article	IF	Citations
1	Giant Vesicles: Preparations and Applications. ChemBioChem, 2010, 11, 848-865.	1.3	624
2	Enzymes inside lipid vesicles: preparation, reactivity and applications. New Biotechnology, 2001, 18, 143-177.	2.7	599
3	Enzymatic reactions in confined environments. Nature Nanotechnology, 2016, 11, 409-420.	15.6	597
4	Autopoietic Self-Reproduction of Fatty Acid Vesicles. Journal of the American Chemical Society, 1994, 116, 11649-11654.	6.6	421
5	Lipid Vesicles as Membrane Models for Toxicological Assessment of Xenobiotics. Critical Reviews in Toxicology, 2008, 38, 1-11.	1.9	269
6	Water as the reaction medium in organic chemistry: from our worst enemy to our best friend. Chemical Science, 2021, 12, 4237-4266.	3.7	263
7	Fatty acid vesicles. Current Opinion in Colloid and Interface Science, 2007, 12, 75-80.	3.4	258
8	Oparin's Reactions Revisited: Enzymic Synthesis of Poly(adenylic acid) in Micelles and Self-Reproducing Vesicles. Journal of the American Chemical Society, 1994, 116, 7541-7547.	6.6	240
9	Lipid vesicles as possible intermediates in the origin of life. Current Opinion in Colloid and Interface Science, 1999, 4, 33-39.	3.4	235
10	From Self-Assembled Vesicles to Protocells. Cold Spring Harbor Perspectives in Biology, 2010, 2, a002170-a002170.	2.3	205
11	Interaction of a lecithin microemulsion gel with human stratum corneum and its effect on transdermal transport. Journal of Controlled Release, 1997, 45, 131-140.	4.8	182
12	Growth and Transformation of Vesicles Studied by Ferritin Labeling and Cryotransmission Electron Microscopy. Journal of Physical Chemistry B, 2001, 105, 1056-1064.	1.2	149
13	Light microscopic investigations of the autocatalytic self-reproduction of giant vesicles. Journal of the American Chemical Society, 1995, 117, 1435-1436.	6.6	148
14	Thermoresponsive Dendronized Polymers. Macromolecules, 2008, 41, 3659-3667.	2.2	148
15	Matrix Effect in the Size Distribution of Fatty Acid Vesicles. Journal of Physical Chemistry B, 1998, 102, 10383-10390.	1.2	139
16	Lecithin Organogel as Matrix for Transdermal Transport of Drugs. Journal of Pharmaceutical Sciences, 1992, 81, 871-874.	1.6	136
17	From Decanoate Micelles to Decanoic Acid/Dodecylbenzenesulfonate Vesicles. Langmuir, 2005, 21, 6210-6219.	1.6	134
18	Building artificial cells and protocell models: Experimental approaches with lipid vesicles. BioEssays, 2010, 32, 296-303.	1.2	132

#	Article	IF	Citations
19	Surfactant Assemblies and their Various Possible Roles for the Origin(S) of Life. Origins of Life and Evolution of Biospheres, 2006, 36, 109-150.	0.8	131
20	Tuning Polymer Thickness: Synthesis and Scaling Theory of Homologous Series of Dendronized Polymers. Journal of the American Chemical Society, 2009, 131, 11841-11854.	6.6	130
21	Self-replicating reverse micelles and chemical autopoiesis. Journal of the American Chemical Society, 1990, 112, 8200-8201.	6.6	129
22	Current Ideas about Prebiological Compartmentalization. Life, 2015, 5, 1239-1263.	1.1	125
23	Self-replicating micelles: aqueous micelles and enzymatically driven reactions in reverse micelles. Journal of the American Chemical Society, 1991, 113, 8204-8209.	6.6	118
24	Novel Method for Obtaining Homogeneous Giant Vesicles from a Monodisperse Water-in-Oil Emulsion Prepared with a Microfluidic Device. Langmuir, 2008, 24, 4581-4588.	1.6	115
25	Emergent properties arising from the assembly of amphiphiles. Artificial vesicle membranes as reaction promoters and regulators. Chemical Communications, 2014, 50, 10177-10197.	2.2	115
26	Phospholipid-based reverse micelles. Chemistry and Physics of Lipids, 1990, 53, 265-288.	1.5	113
27	Spectrophotometric quantification of horseradish peroxidase with o-phenylenediamine. Analytical Biochemistry, 2010, 407, 293-295.	1.1	112
28	Autopoietic Self-Reproduction of Chiral Fatty Acid Vesicles. Journal of the American Chemical Society, 1997, 119, 292-301.	6.6	108
29	Giant Vesicles as Biochemical Compartments:Â The Use of Microinjection Techniques. Langmuir, 1998, 14, 2712-2721.	1.6	105
30	Electron Spin Resonance Study of the pH-Induced Transformation of Micelles to Vesicles in an Aqueous Oleic Acid/Oleate System. Langmuir, 2001, 17, 4223-4231.	1.6	105
31	Microinjection into giant vesicles and light microscopy investigation of enzyme-mediated vesicle transformations. Chemistry and Biology, 1996, 3, 105-111.	6.2	101
32	Sustained gastrointestinal activity of dendronized polymerâ€“enzyme conjugates. Nature Chemistry, 2013, 5, 582-589.	6.6	92
33	Soft and dispersed interface-rich aqueous systems that promote and guide chemical reactions. Nature Reviews Chemistry, 2018, 2, 306-327.	13.8	92
34	Growth and shape transformations of giant phospholipid vesicles upon interaction with an aqueous oleic acid suspension. Chemistry and Physics of Lipids, 2009, 159, 67-76.	1.5	84
35	Thermodynamic and kinetic stability. Properties of micelles and vesicles formed by the decanoic acid/decanoate system. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2003, 213, 37-44.	2.3	83
36	Spectroscopic and kinetic studies of lipases solubilized in reverse micelles. Biochemistry, 1993, 32, 4029-4034.	1.2	82

#	Article	IF	Citations
37	A Matrix Effect in Mixed Phospholipid/Fatty Acid Vesicle Formation. Journal of Physical Chemistry B, 1999, 103, 10910-10916.	1.2	80
38	A Fluorescently Labeled Dendronized Polymerâ€“Enzyme Conjugate Carrying Multiple Copies of Two Different Types of Active Enzymes. Journal of the American Chemical Society, 2012, 134, 11392-11395.	6.6	80
39	Vesicles from docosahexaenoic acid. Colloids and Surfaces B: Biointerfaces, 2007, 54, 118-123.	2.5	72
40	A1H Nuclear Magnetic Resonance Method for Investigating the Phospholipase D-Catalyzed Hydrolysis of Phosphatidylcholine in Liposomes. Analytical Biochemistry, 1996, 240, 37-47.	1.1	71
41	Chemical and Biological Investigations ofÎ²-Oligoarginines. Chemistry and Biodiversity, 2004, 1, 65-97.	1.0	69
42	Interaction of Î±-and Î²-Oligoarginine-Acids and Amides with Anionic Lipid Vesicles:â€‰ A Mechanistic and Thermodynamic Study. Biochemistry, 2006, 45, 5817-5829.	1.2	69
43	Temperature-Sensitive Nonionic Vesicles Prepared from Span 80 (Sorbitan Monooleate). Langmuir, 2008, 24, 10762-10770.	1.6	69
44	Vesicles as Soft Templates for the Enzymatic Polymerization of Aniline. Langmuir, 2009, 25, 11390-11405.	1.6	69
45	Structure and activity of trypsin in reverse micelles. FEBS Journal, 1988, 173, 401-409.	0.2	68
46	Human Skin Irritation Studies of a Lecithin Microemulsion Gel and of Lecithin Liposomes. Skin Pharmacology and Physiology, 1996, 9, 124-129.	1.1	66
47	Preparation and Characterization of Vesicles from Mono-n-alkyl Phosphates and Phosphonates. Journal of Physical Chemistry B, 1997, 101, 7390-7397.	1.2	66
48	Kinetic studies of the interaction of fatty acids with phosphatidylcholine vesicles (liposomes). Colloids and Surfaces B: Biointerfaces, 2006, 48, 24-34.	2.5	64
49	A continuous assay for lipases in reverse micelles based on Fourier transform infrared spectroscopy. Biochemistry, 1989, 28, 3353-3360.	1.2	61
50	Enzyme-catalyzed chemical structure-controlling template polymerization. Soft Matter, 2011, 7, 316-331.	1.2	60
51	Refolding of Carbonic Anhydrase Assisted by 1-Palmitoyl-2-oleoyl-sn-glycero-3-phosphocholine Liposomes. Biotechnology Progress, 1997, 13, 828-836.	1.3	58
52	Permeability Enhancement of Lipid Vesicles to Nucleotides by Use of Sodium Cholate:â€‰ Basic Studies and Application to an Enzyme-Catalyzed Reaction Occurring inside the Vesicles. Langmuir, 2002, 18, 1043-1050.	1.6	58
53	Liposome-Assisted Selective Polycondensation of Î±-Amino Acids and Peptides. Macromolecules, 1999, 32, 7332-7334.	2.2	57
54	Sequential Immobilization of Enzymes in Microfluidic Channels for Cascade Reactions. ChemPlusChem, 2012, 77, 98-101.	1.3	57

#	Article	IF	Citations
55	Dependence of Lipase Activity on Water Content and Enzyme Concentration in Reverse Micelles. Biocatalysis, 1990, 4, 153-161.	0.9	56
56	Stereoselectivity Aspects in the Condensation of Racemic NCAâ^'Amino Acids in the Presence and Absence of Liposomes. Macromolecules, 2001, 34, 2443-2449.	2.2	56
57	Multinuclear NMR Investigation of Phosphatidylcholine Organogelsâ€. The Journal of Physical Chemistry, 1996, 100, 15211-15217.	2.9	55
58	Mechanistic aspects of the horseradish peroxidase-catalysed polymerisation of aniline in the presence of AOT vesicles as templates. RSC Advances, 2012, 2, 6478.	1.7	55
59	An Amphotericin Bâ€"Fluorescein Conjugate as a Powerful Probe for Biochemical Studies of the Membrane. Angewandte Chemie - International Edition, 2004, 43, 5181-5185.	7.2	53
60	Co-immobilization of enzymes with the help of a dendronized polymer and mesoporous silica nanoparticles. Journal of Materials Chemistry B, 2015, 3, 6174-6184.	2.9	53
61	Novel immobilized liposomal glucose oxidase system using the channel protein OmpF and catalase. Biotechnology and Bioengineering, 2005, 90, 231-238.	1.7	52
62	Enzymatic oligomerization and polymerization of arylamines: state of the art and perspectives. Chemical Papers, 2017, 71, 199-242.	1.0	52
63	AOT vesicles as templates for the horseradish peroxidase-triggered polymerization of aniline. Soft Matter, 2011, 7, 180-193.	1.2	51
64	Dual, Siteâ€Specific Modification of Antibodies by Using Solidâ€Phase Immobilized Microbial Transglutaminase. ChemBioChem, 2017, 18, 1923-1927.	1.3	51
65	Product inhibition of alpha-chymotrypsin in reverse micelles. FEBS Journal, 1991, 199, 95-103.	0.2	49
66	Substrate effects on the enzymatic activity of Î±-chymotrypsin in reverse micelles. Biochemical and Biophysical Research Communications, 1991, 178, 1105-1112.	1.0	46
67	Permeation of a Î²-heptapeptide derivative across phospholipid bilayers. Biochimica Et Biophysica Acta - Biomembranes, 2007, 1768, 2726-2736.	1.4	45
68	How did bacterial ancestors reproduce? Lessons from Lâ€form cells and giant lipid vesicles. BioEssays, 2012, 34, 1078-1084.	1.2	45
69	Modeling of enzymatic reactions in vesicles: The case of ?-chymotrypsin. , 1999, 62, 36-43.		43
70	Enzymatic RNA synthesis in selfâ€reproducing vesicles: An approach to the construction of a minimal synthetic cell. Zeitschrift Fur Elektrotechnik Und Elektrochemie, 1994, 98, 1160-1165.	0.9	42
71	In vitro and in vivo anti-tumor effects of novel Span 80 vesicles containing immobilized Eucheuma serra agglutinin. International Journal of Pharmaceutics, 2010, 389, 157-167.	2.6	42
72	Quantification of Î±-polylysine: a comparison of four UV/Vis spectrophotometric methods. Analytical Methods, 2010, 2, 1448.	1.3	42

#	Article	IF	Citations
73	Giant Vesicle Formation from Oleic Acid/Sodium Oleate on Glass Surfaces Induced by Adsorbed Hydrocarbon Molecules. Langmuir, 2002, 18, 10509-10511.	1.6	41
74	Enzyme immobilization on silicate glass through simple adsorption of dendronized polymerâ€“enzyme conjugates for localized enzymatic cascade reactions. RSC Advances, 2015, 5, 44530-44544.	1.7	41
75	Structure and Enzymatic Properties of Molecular Dendronized Polymerâ€“Enzyme Conjugates and Their Entrapment inside Giant Vesicles. Langmuir, 2013, 29, 10831-10840.	1.6	40
76	Enzymatic reactions in liposomes. Current Opinion in Colloid and Interface Science, 1996, 1, 638-644.	3.4	38
77	Efficient Polymerization of the Aniline Dimer p-Aminodiphenylamine (PADPA) with Trametes versicolor Laccase/O₂ as Catalyst and Oxidant and AOT Vesicles as Templates. ACS Catalysis, 2014, 4, 3421-3434.	5.5	38
78	The use of Trametes versicolor laccase for the polymerization of aniline in the presence of vesicles as templates. Enzyme and Microbial Technology, 2014, 55, 72-84.	1.6	37
79	Stable and Simple Immobilization of Proteinase K Inside Glass Tubes and Microfluidic Channels. ACS Applied Materials & Interfaces, 2015, 7, 25970-25980.	4.0	37
80	Phosphatidylcholine Vesicle-Mediated Decomposition of Hydrogen Peroxide. Langmuir, 2007, 23, 9416-9422.	1.6	36
81	Preparation of Catalytically Active, Covalent Î±-Polylysineâ€“Enzyme Conjugates via UV/Vis-Quantifiable Bis-aryl Hydrazone Bond Formation. Biomacromolecules, 2011, 12, 134-144.	2.6	35
82	Efficient Passerini reactions in an aqueous vesicle system. RSC Advances, 2015, 5, 102828-102835.	1.7	34
83	Immobilization of Peroxidase on SiO₂ Surfaces with the Help of a Dendronized Polymer and the Avidinâ€Biotin System. Macromolecular Bioscience, 2011, 11, 1052-1067.	2.1	33
84	Relation between the Molecular Structure of Phosphatidyl Nucleosides and the Morphology of their Supramolecular and Mesoscopic Aggregates. Langmuir, 1996, 12, 4976-4978.	1.6	32
85	Vesicle Formation from Reactive Surfactants. Angewandte Chemie - International Edition, 2008, 47, 1323-1325.	7.2	31
86	Simple enzyme immobilization inside glass tubes for enzymatic cascade reactions. Journal of Materials Chemistry, 2012, 22, 502-511.	6.7	31
87	The mechanism of liposomal damage by taurocholate. Biochimica Et Biophysica Acta - Biomembranes, 1987, 905, 30-38.	1.4	30
88	Preparation and characterization of reactive and stable glucose oxidase-containing liposomes modulated with detergent. Biotechnology and Bioengineering, 2003, 81, 695-704.	1.7	30
89	Stable Immobilization of Enzymes in a Macro- and Mesoporous Silica Monolith. ACS Omega, 2019, 4, 7795-7806.	1.6	30
90	Bilayer permeability-based substrate selectivity of an enzyme in liposomes. , 1998, 57, 216-219.		28

#	Article	IF	Citations
91	Oligoesters of (R)-3-Hydroxybutanoic Acid:Â Transmembrane Transport of Ca2+across Vesicle Bilayers. Macromolecules, 1999, 32, 574-580.	2.2	28
92	Permeation through Phospholipid Bilayers, Skinâ€Cell Penetration, Plasma Stability, and CD Spectra of Î±â€•and Î²â€Oligoproline Derivatives. Chemistry and Biodiversity, 2013, 10, 1-38.	1.0	28
93	Organic synthesis in Aqueous Multiphase Systems â€" Challenges and opportunities ahead of us. Current Opinion in Colloid and Interface Science, 2021, 56, 101506.	3.4	28
94	Circular Dichroic Properties of Phosphatidylcholine Liposomes. Langmuir, 1997, 13, 1668-1671.	1.6	27
95	Liposome-Assisted Selective Polycondensation of Î±-Amino Acids and Peptides:Â the Case of Charged Liposomes. Macromolecules, 2000, 33, 5787-5796.	2.2	27
96	Spectrophotometric quantification of lactose in solution with a peroxidase-based enzymatic cascade reaction system. Analytical and Bioanalytical Chemistry, 2011, 401, 2307-2310.	1.9	27
97	Efficient Ugi reactions in an aqueous vesicle system. RSC Advances, 2017, 7, 33344-33354.	1.7	27
98	Immobilized carbonic anhydrase: preparation, characteristics and biotechnological applications. World Journal of Microbiology and Biotechnology, 2018, 34, 151.	1.7	27
99	Activity and spectroscopic properties of bovine liver catalase in sodium bis(2-ethylhexyl)sulfosuccinate/isooctane reverse micelles. FEBS Journal, 1993, 217, 567-573.	0.2	26
100	Novel Type of Bicellar Disks from a Mixture of DMPC and DMPE-DTPA with Complexed Lanthanides. Langmuir, 2010, 26, 5382-5387.	1.6	26
101	Active Targeting to Osteosarcoma Cells and Apoptotic Cell Death Induction by the Novel Lectin Eucheuma serra Agglutinin Isolated from a Marine Red Alga. Journal of Drug Delivery, 2012, 2012, 1-11.	2.5	26
102	Spectrophotometric Quantification of Peroxidase with p-Phenylene-diamine for Analyzing Peroxidase-Encapsulating Lipid Vesicles. Analytical Chemistry, 2017, 89, 5484-5493.	3.2	26
103	Research report on proteins in reverse micelles. Structural aspects and enzymology. Colloids and Surfaces, 1987, 30, 193-207.	0.9	25
104	Liposome-associated retinoic acid. FEBS Letters, 1990, 259, 293-296.	1.3	24
105	Liposomes from Phosphatidyl Nucleosides:Â An NMR Investigation. Langmuir, 1997, 13, 1952-1956.	1.6	24
106	Conformationally Changed Cytochrome c-Mediated Fusion of Enzyme- and Substrate-Containing Liposomes. Biotechnology Progress, 1999, 15, 689-696.	1.3	24
107	Molecular dynamics simulation of n -dodecyl phosphate aggregate structures. European Biophysics Journal, 2001, 30, 330-343.	1.2	24
108	Amphotericin B as a Potential Probe of the Physical State of Vesicle Membranes. Organic Letters, 2004, 6, 3683-3686.	2.4	24

#	Article	IF	Citations
109	Preparation of aqueous polyaniline-vesicle suspensions with class III peroxidases. Comparison between horseradish peroxidase isoenzyme C and soybean peroxidase. Chemical Papers, 2013, 67, .	1.0	24
110	Liposomes Containing Purine and Pyrimidine Bases: Stable Unilamellar Liposomes from Phosphatidyl Nucleosides. The Journal of Physical Chemistry, 1994, 98, 6661-6663.	2.9	23
111	Enhancement of apparent substrate selectivity of proteinase K encapsulated in liposomes through a cholate-induced alteration of the bilayer permeability. Biotechnology and Bioengineering, 2004, 85, 222-233.	1.7	23
112	Immobilization of Carbonic Anhydrase in Glass Micropipettes and Glass Fiber Filters for Flow-Through Reactor Applications. ACS Omega, 2018, 3, 10391-10405.	1.6	23
113	Bell-shaped curves of the enzyme activity in reverse micelles: A simplified model for hydrolytic reactions. Chemical Physics, 1990, 141, 273-283.	0.9	22
114	pH artifacts in reverse micellar enzymology: A warning. Pure and Applied Chemistry, 1992, 64, 1771-1775.	0.9	22
115	Proteolytic activity in cod (Gadus morhua) muscle during salt curing. Food Research International, 2005, 38, 693-699.	2.9	22
116	Molecular Composition of Nonionic Vesicles Prepared from Span 80 or Span 85 by a Twoâ€Step Emulsification Method. Journal of Dispersion Science and Technology, 2006, 27, 1217-1222.	1.3	22
117	The influence of anionic vesicles on the oligomerization of p-aminodiphenylamine catalyzed by horseradish peroxidase and hydrogen peroxide. Synthetic Metals, 2017, 226, 89-103.	2.1	22
118	Synthesizing Polyaniline With Laccase/O2 as Catalyst. Frontiers in Bioengineering and Biotechnology, 2019, 7, 165.	2.0	22
119	Cholesterol Increases the Magnetic Aligning of Bicellar Disks from an Aqueous Mixture of DMPC and DMPEâ€“DTPA with Complexed Thulium Ions. Langmuir, 2012, 28, 10905-10915.	1.6	21
120	Environmentally friendly approach to Î±-acyloxy carboxamides via a chemoenzymatic cascade. RSC Advances, 2016, 6, 68231-68237.	1.7	21
121	Circular Dichroic Properties of Phosphatidylcholine Micellesâ€. Langmuir, 1999, 15, 2346-2350.	1.6	20
122	Enzymatic polymerization of pyrrole with Trametes versicolor laccase and dioxygen in the presence of vesicles formed from AOT (sodium bis-(2-ethylhexyl) sulfosuccinate) as templates. Synthetic Metals, 2015, 200, 123-134.	2.1	20
123	Isolation and characterization of a trypsin inhibitor from white mustard (Sinapis alba L.). Journal of Agricultural and Food Chemistry, 1985, 33, 784-789.	2.4	19
124	Lipase-catalyzed reactions in vesicles as an approach to vesicle self-reproduction. Journal of Liposome Research, 1994, 4, 1135-1158.	1.5	19
125	Alignment of Bicelles Studied with High-Field Magnetic Birefringence and Small-Angle Neutron Scattering Measurements. Langmuir, 2013, 29, 3467-3473.	1.6	19
126	Magnetically Enhanced Bicelles Delivering Switchable Anisotropy in Optical Gels. ACS Applied Materials & Interfaces, 2014, 6, 1100-1105.	4.0	19

#	Article	IF	Citations
127	How Anionic Vesicles Steer the Oligomerization of Enzymatically Oxidized p-Aminodiphenylamine (PADPA) toward a Polyaniline Emeraldine Salt (PANI-ES)-Type Product. Langmuir, 2016, 32, 9765-9779.	1.6	19
128	Multivesicular Vesicles: Preparation and Applications. ChemSystemsChem, 2021, 3, e2000049.	1.1	19
129	Application of a new, simple and economic colorimetric method for the determination of non-esterified fatty acids in vegetable oils. Food Chemistry, 1991, 39, 249-256.	4.2	18
130	Spectroscopic investigations of peptide 401 from bee venom. Biopolymers, 1981, 20, 373-385.	1.2	17
131	A colorimetric determination of fatty acids as a new assay of lipases in reverse micelles. JAOCS, Journal of the American Oil Chemists' Society, 1990, 67, 110-115.	0.8	17
132	Efficient Preparation of Giant Vesicles as Biomimetic Compartment Systems with High Entrapment Yields for Biomacromolecules. Chemistry and Biodiversity, 2012, 9, 2453-2472.	1.0	17
133	Confusing Quantitative Descriptions of BrÃ¸nstedï£¿Lowry Acidï£¿Base Equilibria in Chemistry Textbooks â€“ A Critical Review and Clarifications for Chemical Educators. Helvetica Chimica Acta, 2014, 97, 1-31.	1.0	17
134	Interaction of Î²³/Î²²â€Peptides, Consisting of Valâ€Alaâ€Leu Segments, with POPC Giant Unilamellar Vesicles (GUVs) and White Blood Cancer Cells (U937) â€“ A New Type of Cellâ€Penetrating Peptides, and a Surprising Chainâ€Length Dependence of Their Vesicleâ€and Cellâ€Lysing Activity. Chemistry and Biodiversity, 2015, 12, 697-732.	1.0	17
135	A novel strategy for bioconjugation: synthesis and preliminary evaluation with amphotericin B. Organic and Biomolecular Chemistry, 2007, 5, 1339.	1.5	16
136	On the surface properties of oleate micelles and oleic acid/oleate vesicles studied by spin labeling. Chemistry and Physics of Lipids, 2011, 164, 83-88.	1.5	16
137	Insight into the template effect of vesicles on the laccase-catalyzed oligomerization of N-phenyl-1,4-phenylenediamine from Raman spectroscopy and cyclic voltammetry measurements. Scientific Reports, 2016, 6, 30724.	1.6	16
138	Superior capacitive properties of polyaniline produced by a one-pot peroxidase/H2O2-triggered polymerization of aniline in the presence of AOT vesicles. Electrochimica Acta, 2017, 258, 834-841.	2.6	16
139	Reproduction of vesicles coupled with a vesicle surface-confined enzymatic polymerisation. Communications Chemistry, 2019, 2, .	2.0	16
140	Interactions of human milk lipase with sodium taurocholate and other surfactants. Langmuir, 1986, 2, 139-146.	1.6	15
141	Phospholipase D-Mediated Aggregation, Fusion, and Precipitation of Phospholipid Vesiclesâ€. Langmuir, 2004, 20, 941-949.	1.6	15
142	Dendronized Polymers via Macromonomer Route in Supercritical Carbon Dioxide. Macromolecular Rapid Communications, 2008, 29, 1609-1613.	2.0	15
143	pHâ€Sensitive Vesicles Containing a Lipidic Î²â€Amino Acid with Two Hydrophobic Chains. Chemistry and Biodiversity, 2008, 5, 16-30.	1.0	15
144	Effect of template type on the preparation of the emeraldine salt form of polyaniline (PANI-ES) with horseradish peroxidase isoenzyme C (HRPC) and hydrogen peroxide. RSC Advances, 2019, 9, 33080-33095.	1.7	15

#	Article	IF	Citations
145	From vesicles toward protocells and minimal cells. Soft Matter, 2022, 18, 4823-4849.	1.2	15
146	Enzymatic activity and stability ofd-fructose dehydrogenase and sarcosine dehydrogenase immobilizd onto giant vesicles. Biotechnology and Bioengineering, 2003, 84, 415-423.	1.7	14
147	Achievements and Challenges in Generating Protocell Models. ChemBioChem, 2008, 9, 2771-2772.	1.3	14
148	Lipid Vesicles and Other Polymolecular Aggregatesâ€"From Basic Studies of Polar Lipids to Innovative Applications. Applied Sciences (Switzerland), 2021, 11, 10345.	1.3	14
149	Tumor Cell Growth Inhibition by Liposome-Encapsulated Aromatic Polyamidines. Journal of Pharmaceutical Sciences, 1990, 79, 672-677.	1.6	13
150	Kinetic behaviour of alpha-chymotrypsin in reverse micelles. A stopped-flow study. FEBS Journal, 1992, 208, 165-170.	0.2	13
151	An ESR characterization of micelles and vesicles formed in aqueous decanoic acid/sodium decanoate systems using different spin labels. Chemistry and Physics of Lipids, 2008, 156, 17-25.	1.5	13
152	Fluorescent Probe Study of AOT Vesicle Membranes and Their Alteration upon Addition of Aniline or the Aniline Dimer p-Aminodiphenylamine (PADPA). Langmuir, 2017, 33, 1984-1994.	1.6	13
153	Enzymatic Synthesis of Highly Electroactive Oligoanilines from a p-Aminodiphenylamine/Aniline Mixture with Anionic Vesicles as Templates. Langmuir, 2018, 34, 9153-9166.	1.6	13
154	Supramolecular Transformations of Vesicles from Amino Acid Based Double Chain Amphiphiles. Langmuir, 1997, 13, 4480-4482.	1.6	12
155	Inversion of the Configuration of a Single Stereocenter in a Î²â€Heptapeptide Leads to Drastic Changes in its Interaction with Phospholipid Bilayers. ChemBioChem, 2009, 10, 1978-1981.	1.3	12
156	Analysis of the 22-NBD-cholesterol transfer between liposome membranes and its relation to the intermembrane exchange of 25-hydroxycholesterol. Colloids and Surfaces B: Biointerfaces, 2010, 77, 117-121.	2.5	12
157	Studies in Bile Salt Solutions .XIII. Hydrophobic Substrate Effects on the Esterase Activity of Bile-Salt-Stimulated Human-Milk Lipase. Hydrolysis of 4-Nitrophenyl Alkanoates and Alkyl 4-Nitrobenzoates. Australian Journal of Chemistry, 1986, 39, 249.	0.5	11
158	Magnetic Field Alignable Domains in Phospholipid Vesicle Membranes Containing Lanthanides. Journal of Physical Chemistry B, 2010, 114, 174-186.	1.2	11
159	EPR Study of Polyaniline Synthesized Enzymatically in the Presence of Submicrometer-Sized AOT Vesicles. Journal of Physical Chemistry B, 2014, 118, 2205-2213.	1.2	11
160	Proteinase K activity determination with Î²-galactosidase as sensitive macromolecular substrate. Analytical Biochemistry, 2016, 513, 54-60.	1.1	11
161	Tailoring Bicelle Morphology and Thermal Stability with Lanthanide-Chelating Cholesterol Conjugates. Langmuir, 2016, 32, 9005-9014.	1.6	11
162	Bile Salt Roles in Bile-Salt-Stimulated Lipase Activity. Journal of Pediatric Gastroenterology and Nutrition, 1986, 5, 622-629.	0.9	10

#	Article	IF	Citations
163	Application of a simple diffusion model for the enzymatic activity of Î±-chymotrypsin in reverse micelles. Journal of Colloid and Interface Science, 1992, 154, 298-302.	5.0	10
164	Cholesterol-Diethylenetriaminepentaacetate Complexed with Thulium Ions Integrated into Bicelles To Increase Their Magnetic Alignability. Journal of Physical Chemistry B, 2013, 117, 14743-14748.	1.2	10
165	Influence of the Membrane Dye R18 and of <scp>DMSO</scp> on Cell Penetration of Guanidiniumâ€Rich Peptides. Chemistry and Biodiversity, 2018, 15, e1800302.	1.0	10
166	Studies in Bile-Salt Solutions. XXII. The Effect of Reversed Micelles and of Aerosol-OT Aqueous Micelles on the Esterase Activity of Bile-Salt-Stimulated Human-Milk Lipase. Determination of Enzyme-Inhibitor Complex Dissociation Constants. Australian Journal of Chemistry, 1986, 39, 2037.	0.5	9
167	Self-Reproduction of Micelles and Liposomes and the Transition to Life. Journal of Liposome Research, 1993, 3, 631-638.	1.5	9
168	External surface area determination of lipid vesicles using trinitrobenzene sulfonate and ultraviolet/visible spectrophotometry. Analytical Biochemistry, 2013, 442, 262-271.	1.1	9
169	Preparation and Applications of Dendronized Polymerâ€“Enzyme Conjugates. Methods in Enzymology, 2017, 590, 445-474.	0.4	9
170	Catalyst-free synthesis of Î±-acyloxycarboxamides in aqueous media. Environmental Chemistry Letters, 2019, 17, 1011-1016.	8.3	9
171	Study of the Interaction of a Novel Semi-Synthetic Peptide with Model Lipid Membranes. Membranes, 2020, 10, 294.	1.4	9
172	A two-enzyme cascade reaction consisting of two reaction pathways. Studies in bulk solution for understanding the performance of a flow-through device with immobilised enzymes. RSC Advances, 2020, 10, 18655-18676.	1.7	9
173	Molecular engineering of lanthanide ion chelating phospholipids generating assemblies with a switched magnetic susceptibility. Physical Chemistry Chemical Physics, 2017, 19, 20991-21002.	1.3	8
174	Proteolytic activity in sunflower seeds (Helianthus annuus L.). Journal of Agricultural and Food Chemistry, 1984, 32, 322-329.	2.4	7
175	Inactivation of Bile-Salt-Stimulated Human Milk Esterase. Journal of Pediatric Gastroenterology and Nutrition, 1986, 5, 630-637.	0.9	7
176	A multifrequency EPR study of poly(PADPA) synthesized with Trametes versicolor laccase from the aniline dimer p-aminodiphenylamine (PADPA) in the presence of anionic vesicles. Current Applied Physics, 2015, 15, 1516-1520.	1.1	7
177	How experimental details matter. The case of a laccase-catalysed oligomerisation reaction. RSC Advances, 2018, 8, 33229-33242.	1.7	7
178	Effect of Template Type on the Trametes versicolor Laccase-Catalyzed Oligomerization of the Aniline Dimer p-Aminodiphenylamine (PADPA). ACS Omega, 2019, 4, 2931-2947.	1.6	7
179	Differential effects of liposome-entrapped desferrioxamine on proliferation and erythroid differentiation of murine erythroleukemic Friend cells. Biochimica Et Biophysica Acta - Molecular Cell Research, 1989, 1013, 36-41.	1.9	6
180	Aromatic dental monomers affect the activity of cholesterol esterase. BBA - Proteins and Proteomics, 2001, 1550, 100-106.	2.1	6

#	Article	IF	Citations
181	Formation and Properties of Fatty Acid Vesicles (Liposomes). , 2006, , 1-19.		6
182	Why Giant Vesicles?. Perspectives in Supramolecular Chemistry, 2007, , 1-9.	0.1	6
183	Liposome Electroformation. Perspectives in Supramolecular Chemistry, 2007, , 26-36.	0.1	6
184	Phospholipid Membranes as Regulators of Localized Activity. Chemistry and Biology, 2010, 17, 922-923.	6.2	6
185	Shielding effects in spacious macromolecules: a case study with dendronized polymers. Photochemical and Photobiological Sciences, 2016, 15, 964-968.	1.6	6
186	Enhanced Heat Stability of Î±â€Chymotrypsin through Singleâ€Enzyme Confinement in Attoliter Liposomes. ChemBioChem, 2016, 17, 1221-1224.	1.3	6
187	Mastering the magnetic susceptibility of magnetically responsive bicelles with 3Î²-amino-5-cholestene and complexed lanthanide ions. Physical Chemistry Chemical Physics, 2017, 19, 10820-10824.	1.3	6
188	Detection of Water in Lipase-Catalyzed Reactions in Reverse Micelles as Studied by Infrared Spectroscopy. Biocatalysis, 1990, 3, 381-383.	0.9	5
189	Isolation and Characterization of Purified Bile Salt Stimulated Human Milk Lipase. Journal of Bioactive and Compatible Polymers, 1994, 9, 66-79.	0.8	5
190	Application of an enzymatic cascade reaction for the synthesis of the emeraldine salt form of polyaniline. Chemical Papers, 2021, 75, 5071-5085.	1.0	5
191	Hemin-catalyzed oxidative oligomerization of p-aminodiphenylamine (PADPA) in the presence of aqueous sodium dodecylbenzenesulfonate (SDBS) micelles. RSC Advances, 2022, 12, 13154-13167.	1.7	5
192	Studies in bile salt solutions. Journal of Colloid and Interface Science, 1986, 112, 488-496.	5.0	4
193	Understanding the Enhanced Magnetic Response of Aminocholesterol Doped Lanthanide-Ion-Chelating Phospholipid Bicelles. Langmuir, 2017, 33, 8533-8544.	1.6	4
194	Functional nano-structure of aggregates self-organized on the liquid/solid interface-enzymatic polymerization of ADP. Progress in Colloid and Polymer Science, 1997, 106, 245-248.	0.5	4
195	Activity of bile-salt-stimulated human milk lipase in the presence of liposomes and mixed taurocholate-phosphatidylcholine micelles. Biochimica Et Biophysica Acta - Biomembranes, 1987, 905, 39-47.	1.4	3
196	Additions and Corrections - Liposomes Containing Purine and Pyrimidine Bases: Stable Unilamellar Liposomes from Phosphatidyl Nucleosides. The Journal of Physical Chemistry, 1994, 98, 10376-10376.	2.9	3
197	Multivesicular Vesicles: Preparation and Applications. ChemSystemsChem, 2021, 3, e2100011.	1.1	3
198	Atomic Force Microscopy Observation of Poly(A) Grown on the Liquid/Solid Interface from Sodium Bis(2-ethylhexyl) Sulfosuccinate/Isooctane Reversed Micellar Solution. Langmuir, 1998, 14, 3454-3457.	1.6	2

#	Article	IF	Citations
199	An Amphotericin B-Fluorescein Conjugate as a Powerful Probe for Biochemical Studies of the Membrane. Angewandte Chemie - International Edition, 2004, 43, 5428-5428.	7.2	2
200	Fluctuating Vesicle Shapes. Perspectives in Supramolecular Chemistry, 2007, , 149-167.	0.1	2
201	Microinjection of Macromolecules in Giant Vesicles Prepared by Electroformation. Perspectives in Supramolecular Chemistry, 2007, , 285-295.	0.1	2
202	Evaluation of Biodegradable Glucose Based Surfactants as a Promoting Medium for the Synthesis of Peptidomimetics with the Coumarin Scaffold. ChemistrySelect, 2020, 5, 9607-9614.	0.7	2
203	Dynamic Aspects of Fatty Acid Vesicles: pH-Induced Vesicle-Micelle Transition and Dilution-Induced Formation of Giant Vesicles. Perspectives in Supramolecular Chemistry, 2007, , 261-270.	0.1	1
204	Giant Vesicles: A Historical Introduction. Perspectives in Supramolecular Chemistry, 2007, , 11-24.	0.1	1
205	Formation of Giant Vesicles from Different Kinds of Lipids Using the Electroformation Method. Perspectives in Supramolecular Chemistry, 2007, , 37-43.	0.1	1
206	Study on Stress-Mediated Behavior and Preparation of Giant Vesicles. Perspectives in Supramolecular Chemistry, 2007, , 369-377.	0.1	1
207	Inside Cover: Giant Vesicles: Preparations and Applications (ChemBioChem 7/2010). ChemBioChem, 2010, 11, 834-834.	1.3	1
208	Giant unilamellar vesicles: From protocell models to the construction of minimal cells. , 2019, , 569-583.		1
209	Uptake and Metabolism of Sulphides by Wine Yeasts. Journal of Plant Physiology, 1986, 125, 123-136.	1.6	0
210	Effect of Temperature on the Uptake of 35S(-II) by Wine Yeasts. Journal of Bioactive and Compatible Polymers, 1986, 1, 335-347.	0.8	0
211	Liposome mediated delivery of retinoids and aromatic polyamidines: Effects on growth of tumor cell lines. Cytotechnology, 1991, 5, 23-24.	0.7	0
212	ESR Spectral Simulation Study of Oleic Acid/Oleate Solution by Using a Spin Probe. Studies in Surface Science and Catalysis, 2001, , 85-88.	1.5	0
213	Light-Induced Shape Transitions of Giant Vesicles. Perspectives in Supramolecular Chemistry, 2007, , 335-339.	0.1	0
214	Enzymatic Reactions in Giant Vesicles. Perspectives in Supramolecular Chemistry, 2007, , 297-311.	0.1	0
215	Entrapment of Proteins in Soybean Phosphatidylcholine Vesicles. Perspectives in Supramolecular Chemistry, 2007, , 361-367.	0.1	0
216	Giant Liposomes as Model Biomembranes for Roles of Lipids in Cellular Signalling. Perspectives in Supramolecular Chemistry, 2007, , 272-284.	0.1	0

#	Article	IF	Citations
217	Molecular Organization on Giant Unilamellar Vesicles. Perspectives in Supramolecular Chemistry, 2007, , 379-384.	0.1	0
218	Enzymatic Polymerization in Presence of Vesicles as Templates. Chimia, 2009, 63, 778-778.	0.3	0
219	A Novel Role of Vesicles as Templates for the Oxidation and Oligomerization of pâ€Aminodiphenylamine by Cytochrome c. Helvetica Chimica Acta, 2017, 100, e1700027.	1.0	0
220	Anionic Vesicles Can Control the Reaction Pathway of a Highly Reactive Intermediate. Chimia, 2017, 71, 386.	0.3	0
221	Organocatalytic stereoselective epoxidation of alphaâ€alkylidene oxindoles using alpha,alphaâ€diphenylprolinol in liposome membrane. ChemCatChem, 2018, 11, 974.	1.8	0
222	Chemical Autopoiesis: Self-Replication of Micelles and Vesicles. , 1994, , 25-39.		0
223	Growth and Division of Vesicles Coupled with Information Molecules. Seibutsu Butsuri, 2021, 61, 378-381.	0.0	0