Alberto A C C Pais

List of Publications by Year
in descending order

195 papers	5,820 citations	76196 40 h-index	106150 65 g-index
199 all docs	199 docs citations	199 times ranked	7700 citing authors

#	Article	IF	Citations
1	Nanomedicine: Principles, Properties, and Regulatory Issues. Frontiers in Chemistry, 2018, 6, 360.	1.8	457
2	Skin cancer and new treatment perspectives: A review. Cancer Letters, 2015, 357, 8-42.	3.2	272
3	Comparison of dissolution profiles of Ibuprofen pellets. Journal of Controlled Release, 2003, 89, 199-212.	4.8	148
4	A realistic double many-body expansion (DMBE) potential energy surface for ground-state O3from a multiproperty fit toab initiocalculations, and to experimental spectroscopic, inelastic scattering, and kinetic isotope thermal rate data. Molecular Physics, 1988, 65, 843-860.	0.8	138
5	The size of solid lipid nanoparticles: An interpretation from experimental design. Colloids and Surfaces B: Biointerfaces, 2011, 84, 117-130.	2.5	134
6	Films based on chitosan polyelectrolyte complexes for skin drug delivery: Development and characterization. Journal of Membrane Science, 2008, 320, 268-279.	4.1	117
7	Co-encapsulating nanostructured lipid carriers for transdermal application: From experimental design to the molecular detail. Journal of Controlled Release, 2013, 167, 301-314.	4.8	113
8	Aggregation and gelation in hydroxypropylmethyl cellulose aqueous solutions. Journal of Colloid and Interface Science, 2008, 327, 333-340.	5.0	109
9	Deep Learning for Deep Chemistry: Optimizing the Prediction of Chemical Patterns. Frontiers in Chemistry, 2019, 7, 809.	1.8	106
10	Stratum corneum hydration: Phase transformations and mobility in stratum corneum, extracted lipids and isolated corneocytes. Biochimica Et Biophysica Acta - Biomembranes, 2007, 1768, 2647-2659.	1.4	100
11	Endocrine disrupting chemicals: Impact on human health, wildlife and the environment. Science Progress, 2019, 102, 3-42.	1.0	96
12	Pseudomonas aeruginosa infection in cystic fibrosis lung disease and new perspectives of treatment: a review. European Journal of Clinical Microbiology and Infectious Diseases, 2013, 32, 1231-1252.	1.3	93
13	Passive and active strategies for transdermal delivery using co-encapsulating nanostructured lipid carriers: In vitro vs. in vivo studies. European Journal of Pharmaceutics and Biopharmaceutics, 2014, 86, 133-144.	2.0	91
14	Targeted Theranostic Nanoparticles for Brain Tumor Treatment. Pharmaceutics, 2018, 10, 181.	2.0	85
15	Modeling of DNA compaction by polycations. Journal of Chemical Physics, 2003, 119, 8150-8157.	1.2	82
16	Hydrogel-Based Drug Delivery Nanosystems for the Treatment of Brain Tumors. Gels, 2018, 4, 62.	2.1	79
17	Interplay of Electrostatic and Hydrophobic Effects with Binding of Cationic Gemini Surfactants and a Conjugated Polyanion:Â Experimental and Molecular Modeling Studies. Journal of Physical Chemistry B, 2007, 111, 4401-4410.	1.2	68
18	Interaction of Omeprazole with a Methylated Derivative of Î²-Cyclodextrin: Phase Solubility, NMR Spectroscopy and Molecular Simulation. Pharmaceutical Research, 2007, 24, 377-389.	1.7	68

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19	DNA and surfactants in bulk and at interfaces. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2004, 250, 115-131.	2.3	67
20	DNAâ€“cationic amphiphile interactions. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2003, 228, 43-55.	2.3	64
21	Starch-based Pickering emulsions for topical drug delivery: A QbD approach. Colloids and Surfaces B: Biointerfaces, 2015, 135, 183-192.	2.5	61
22	Combining Cellulose and Cyclodextrins: Fascinating Designs for Materials and Pharmaceutics. Frontiers in Chemistry, 2018, 6, 271.	1.8	58
23	Antibacterial Photodynamic Inactivation of Antibiotic-Resistant Bacteria and Biofilms with Nanomolar Photosensitizer Concentrations. ACS Infectious Diseases, 2020, 6, 1517-1526.	1.8	56
24	Breaching barriers in glioblastoma. Part I: Molecular pathways and novel treatment approaches. International Journal of Pharmaceutics, 2017, 531, 372-388.	2.6	54
25	On the chaperon mechanism for association rate constants: the formation of HO2 and O3. Chemical Physics Letters, 1996, 249, 264-271.	1.2	53
26	Polyion Adsorption onto Catanionic Surfaces. A Monte Carlo Study. Journal of Physical Chemistry B, 2005, 109, 11781-11788.	1.2	52
27	Aggregation of the hairy rod conjugated polyelectrolyte poly{1,4-phenylene-[9,9-bis(4-phenoxybutylsulfonate)]fluorene-2,7-diyl} in aqueous solution: an experimental and molecular modelling study. Physical Chemistry Chemical Physics, 2008, 10, 4420.	1.3	52
28	In vivo friction study of human skin: Influence of moisturizers on different anatomical sites. Wear, 2007, 263, 1044-1049.	1.5	50
29	Cationic agents for DNA compaction. Journal of Colloid and Interface Science, 2008, 323, 75-83.	5.0	48
30	The Role of Magnetic Nanoparticles in Cancer Nanotheranostics. Materials, 2020, 13, 266.	1.3	48
31	Overcoming the Skin Permeation Barrier: Challenges and Opportunities. Current Pharmaceutical Design, 2015, 21, 2698-2712.	0.9	48
32	Repurposing drugs for glioblastoma: From bench to bedside. Cancer Letters, 2018, 428, 173-183.	3.2	47
33	Cyclodextrin Polymers and Cyclodextrin-Containing Polysaccharides for Water Remediation. Polysaccharides, 2021, 2, 16-38.	2.1	47
34	Optimization of levofloxacin-loaded crosslinked chitosan microspheres for inhaled aerosol therapy. European Journal of Pharmaceutics and Biopharmaceutics, 2015, 96, 65-75.	2.0	45
35	Cyanobacteria and Microalgae: A Renewable Source of Bioactive Compounds and Other Chemicals. Science Progress, 2015, 98, 145-168.	1.0	45
36	Structure of polyelectrolytes in 3:1 salt solutions. Journal of Chemical Physics, 2003, 119, 12621-12628.	1.2	43

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37	Rethinking carbamazepine oral delivery using polymer-lipid hybrid nanoparticles. International Journal of Pharmaceutics, 2019, 554, 352-365.	2.6	43
38	Science indicators and science patterns in Europe. Journal of Informetrics, 2009, 3, 134-142.	1.4	42
39	Gemini surfactant dimethylene-1,2-bis(tetradecyldimethylammonium bromide)-based gene vectors: A biophysical approach to transfection efficiency. Biochimica Et Biophysica Acta - Biomembranes, 2011, 1808, 341-351.	1.4	42
40	DNAâ€Surfactant Interactions. Compaction, Condensation, Decompaction and Phase Separation. Journal of the Chinese Chemical Society, 2004, 51, 447-469.	0.8	41
41	1,3-Dipolar cycloaddition of azomethine ylides generated from aziridines in supercritical carbon dioxide. Tetrahedron Letters, 2006, 47, 5475-5479.	0.7	41
42	The effect of cationic gemini surfactants upon lipid membranes. An experimental and molecular dynamics simulation study. Physical Chemistry Chemical Physics, 2010, 12, 14462.	1.3	41
43	New insights on the interaction between hydroxypropylmethyl cellulose and sodium dodecyl sulfate. Carbohydrate Polymers, 2011, 86, 35-44.	5.1	41
44	Dicationic Alkylammonium Bromide Gemini Surfactants. Membrane Perturbation and Skin Irritation. PLoS ONE, 2011, 6, e26965.	1.1	41
45	Breaching barriers in glioblastoma. Part II: Targeted drug delivery and lipid nanoparticles. International Journal of Pharmaceutics, 2017, 531, 389-410.	2.6	41
46	DNA-based nanoscaffolds as vehicles for 5-fluoro-2â€²-deoxyuridine oligomers in colorectal cancer therapy. Nanoscale, 2018, 10, 7238-7249.	2.8	41
47	Study of human stratum corneum and extracted lipids by thermomicroscopy and DSC. Chemistry and Physics of Lipids, 2006, 140, 36-47.	1.5	40
48	DNA Condensation by pH-Responsive Polycations. Biomacromolecules, 2010, 11, 2399-2406.	2.6	40
49	Polyelectrolytes confined to spherical cavities. Journal of Chemical Physics, 2002, 117, 1385-1394.	1.2	38
50	Thermal Behaviour of Human Stratum Corneum. Skin Pharmacology and Physiology, 2006, 19, 132-139.	1.1	37
51	Methyl-Î²-cyclodextrin Inclusion Complex with Î²-Caryophyllene: Preparation, Characterization, and Improvement of Pharmacological Activities. ACS Omega, 2017, 2, 9080-9094.	1.6	36
52	Development of levofloxacin-loaded PLGA microspheres of suitable properties for sustained pulmonary release. International Journal of Pharmaceutics, 2019, 556, 117-124.	2.6	36
53	Analysis of formulation effects in the dissolution of ibuprofen pellets. International Journal of Pharmaceutics, 2004, 270, 9-19.	2.6	35
54	Solubilization of Poly{1,4-phenylene-[9,9-bis(4-phenoxy-butylsulfonate)]fluorene-2,7-diyl} in Water by Nonionic Amphiphiles. Langmuir, 2009, 25, 5545-5556.	1.6	34

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55	Cation Association with Sodium Dodecyl Sulfate Micelles As Seen by Lanthanide Luminescence. Journal of Physical Chemistry B, 2002, 106, 6966-6972.	1.2	33
56	The Role of l-arginine in Inclusion Complexes of Omeprazole with Cyclodextrins. AAPS PharmSciTech, 2010, 11, 233-240.	1.5	33
57	Modeling of ultra-small lipid nanoparticle surface charge for targeting glioblastoma. European Journal of Pharmaceutical Sciences, 2018, 117, 255-269.	1.9	33
58	Absolute Rate Calculations for Atom Abstractions by Radicals:Â Energetic, Structural and Electronic Factors. Journal of the American Chemical Society, 2003, 125, 5236-5246.	6.6	32
59	Stepwise disproportionation in polyelectrolyte complexes. Journal of Computational Chemistry, 2011, 32, 2697-2707.	1.5	32
60	Characterization of polyplexes involving small RNA. Journal of Colloid and Interface Science, 2012, 387, 84-94.	5.0	32
61	Controlling the Morphology in DNA Condensation and Precipitation. Biomacromolecules, 2009, 10, 1319-1323.	2.6	30
62	Drug release from lipid liquid crystalline phases: relation with phase behavior. Drug Development and Industrial Pharmacy, 2010, 36, 470-481.	0.9	30
63	A combination of nonionic surfactants and iontophoresis to enhance the transdermal drug delivery of ondansetron HCl and diltiazem HCl. European Journal of Pharmaceutics and Biopharmaceutics, 2012, 80, 663-673.	2.0	30
64	Removal of Pharmaceuticals from Water by Free and Imobilised Microalgae. Molecules, 2020, 25, 3639.	1.7	30
65	Cyclodextrin-based Materials for Removing Micropollutants From Wastewater. Current Organic Chemistry, 2018, 22, 2150-2181.	0.9	29
66	Polyelectrolyte condensation in bulk, at surfaces, and under confinement. Advances in Colloid and Interface Science, 2010, 158, 48-62.	7.0	28
67	Expanding Transdermal Delivery with Lipid Nanoparticles: A New Drug-in-NLC-in-Adhesive Design. Molecular Pharmaceutics, 2017, 14, 2099-2115.	2.3	28
68	Does poly(vinyl alcohol) act as an amphiphilic polymer? An interaction study with simvastatin. Journal of Molecular Liquids, 2016, 222, 287-294.	2.3	27
69	Enhanced Condensation and Facilitated Release of DNA Using Mixed Cationic Agents: A Combined Experimental and Monte Carlo Study. Biomacromolecules, 2012, 13, 3151-3161.	2.6	26
70	Reactions of Nitrosoalkenes with Dipyrromethanes and Pyrroles: Insight into the Mechanistic Pathway. Journal of Organic Chemistry, 2014, 79, 10456-10465.	1.7	26
71	Pulmonary pharmacokinetics of levofloxacin in rats after aerosolization of immediate-release chitosan or sustained-release PLGA microspheres. European Journal of Pharmaceutical Sciences, 2016, 93, 184-191.	1.9	26
72	Solvation of alkane and alcohol molecules. Energy contributions. Physical Chemistry Chemical Physics, 2001, 3, 4001-4009.	1.3	25

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73	Lanthanide Ion Interaction with a Crown Ether Methacrylic Polymer, Poly(1,4,7,10-tetraoxacyclododecan-2-ylmethyl methacrylate), as Seen by Spectroscopic, Calorimetric, and Theoretical Studies. Macromolecules, 2004, 37, 856-862.	2.2	25
74	Chiral spiro-Î²-lactams from 6-diazopenicillanates. Tetrahedron, 2012, 68, 3729-3737.	1.0	25
75	Poly(Î²-cyclodextrin)-Activated Carbon Gel Composites for Removal of Pesticides from Water. Molecules, 2021, 26, 1426.	1.7	25
76	Design of a dual nanostructured lipid carrier formulation based on physicochemical, rheological, and mechanical properties. Journal of Nanoparticle Research, 2013, 15, 1.	0.8	24
77	Can lipid nanoparticles improve intestinal absorption?. International Journal of Pharmaceutics, 2016, 515, 69-83.	2.6	24
78	Analytical Quality by Design (AQbD) as a multiaddressable platform for co-encapsulating drug assays. Analytical Methods, 2018, 10, 5659-5671.	1.3	23
79	Double many-body expansion of the two lowest potential-energy surfaces for Li3 and dynamics of the Li + Li2(v) reaction. Initial orientation and vibrational excitation effects. Journal of the Chemical Society, Faraday Transactions, 1993, 89, 1511.	1.7	22
80	Polyelectrolyte compaction by pH-responsive agents. Physical Chemistry Chemical Physics, 2009, 11, 10890.	1.3	22
81	Exploring PAZ/3â€²-overhang interaction to improve siRNA specificity. A combined experimental and modeling study. Chemical Science, 2018, 9, 2074-2086.	3.7	22
82	Polyelectrolytes in solutions with multivalent salt. Effects of flexibility and contour length. Physical Chemistry Chemical Physics, 2006, 8, 4233-4241.	1.3	21
83	Drastic Stabilization of Junction Nodes in Supramolecular Structures Based on Hostâ€“Guest Complexes. Macromolecules, 2018, 51, 2732-2741.	2.2	21
84	Energy transfer and multicolour tunable emission of Eu,Tb(PSA)Phen composites. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2019, 569, 93-101.	2.3	21
85	Mixed Protein Carriers for Modulating DNA Release. Langmuir, 2009, 25, 10263-10270.	1.6	20
86	Does cation dehydration drive the binding of metal ions to polyelectrolytes in water? What we can learn from the behaviour of aluminium(iii) and chromium(iii). Physical Chemistry Chemical Physics, 2012, 14, 7950.	1.3	19
87	Structure Activity Relationships in Alkylammonium C12-Gemini Surfactants Used as Dermal Permeation Enhancers. AAPS Journal, 2013, 15, 1119-1127.	2.2	19
88	Free-energy patterns in inclusion complexes: the relevance of non-included moieties in the stability constants. Physical Chemistry Chemical Physics, 2017, 19, 5209-5221.	1.3	19
89	Reconstructing the historical synthesis of mauveine from Perkin and Caro: procedure and details. Scientific Reports, 2017, 7, 6806.	1.6	19
90	aQbD as a platform for IVRT method development â€“ A regulatory oriented approach. International Journal of Pharmaceutics, 2019, 572, 118695.	2.6	19

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91	Removal of Imidacloprid from Water by Microalgae Nannochloropsis sp. and Its Determination by a Validated RP-HPLC Method. Bulletin of Environmental Contamination and Toxicology, 2021, 107, 131-139.	1.3	19
92	Is axenicity crucial to cryopreserve microalgae?. Cryobiology, 2013, 67, 312-320.	0.3	18
93	Lysine-based surfactants as chemical permeation enhancers for dermal delivery of local anesthetics. International Journal of Pharmaceutics, 2014, 474, 212-222.	2.6	18
94	Aqueous solution and solid state interactions of lanthanide ions with a methacrylic ester polymer bearing pendant 15-crown-5 moieties. Journal of Polymer Science Part A, 2007, 45, 1788-1799.	2.5	17
95	Following HPMC gelation with a piezoelectric quartz crystal. Carbohydrate Polymers, 2010, 82, 363-369.	5.1	17
96	Structure and order of DODAB bilayers modulated by dicationic gemini surfactants. Physical Chemistry Chemical Physics, 2011, 13, 13772.	1.3	17
97	On the use of bigâ€bang method to generate lowâ€energy structures of atomic clusters modeled with pair potentials of different ranges. Journal of Computational Chemistry, 2012, 33, 442-452.	1.5	17
98	Novel serine-based gemini surfactants as chemical permeation enhancers of local anesthetics: A comprehensive study on structureâ€“activity relationships, molecular dynamics and dermal delivery. European Journal of Pharmaceutics and Biopharmaceutics, 2015, 93, 205-213.	2.0	17
99	Cooperative action in DNA condensation. Current Opinion in Colloid and Interface Science, 2016, 26, 66-74.	3.4	17
100	Critical Role of the Spacer Length of Gemini Surfactants on the Formation of Ionic Liquid Crystals and Thermotropic Behavior. Journal of Physical Chemistry B, 2017, 121, 10583-10592.	1.2	17
101	Evidence of a rhodium catalytic species containing a bridging 1,2-diphosphine in styrene hydroformylation. Journal of the Chemical Society Dalton Transactions, 1999, , 3245-3251.	1.1	16
102	Cross-linked DNA gels: Disruption and release properties. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2010, 354, 28-33.	2.3	16
103	Synthesis, characterization and assessment of the cytotoxic activity of Cu(II), Fe(III) and Mn(III) complexes of camphoric acidâ€derived salen ligands. Applied Organometallic Chemistry, 2015, 29, 425-432.	1.7	16
104	Computational modeling in glioblastoma: from the prediction of bloodâ€“brain barrier permeability to the simulation of tumor behavior. Future Medicinal Chemistry, 2018, 10, 121-131.	1.1	16
105	Semiempirical valence bond potential energy surfaces for the alkali trimers. Molecular Physics, 1986, 58, 285-297.	0.8	15
106	Characterization of isomeric cationic porphyrins with Î²-pyrrolic substituents by electrospray mass spectrometry: The singular behavior of a potential virus photoinactivator. Journal of the American Society for Mass Spectrometry, 2007, 18, 218-225.	1.2	15
107	A Comprehensive Development Strategy in Buccal Drug Delivery. AAPS PharmSciTech, 2010, 11, 1703-1712.	1.5	15
108	Interpreting the Rich Behavior of Ternary DNA-PEI-Fe(III) Complexes. Biomacromolecules, 2014, 15, 478-491.	2.6	15

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109	Synthesis of chiral hexacyclic steroids via [8Ï€ + 2Ï€] cycloaddition of diazafulvenium methides. Organic and Biomolecular Chemistry, 2015, 13, 9127-9139.	1.5	15
110	Reactivity of 1-arylnitrosoethylenes towards indole derivatives. Monatshefte FÃ¼r Chemie, 2016, 147, 1565-1573.	0.9	15
111	Properties and patterns in anion-receptors: A closer look at bambusurils. Journal of Molecular Liquids, 2017, 242, 640-652.	2.3	15
112	Aptamer-peptide conjugates as a new strategy to modulate human Î±-thrombin binding affinity. Biochimica Et Biophysica Acta - General Subjects, 2019, 1863, 1619-1630.	1.1	15
113	Phosphane-Catalyzed [3+2] Annulation of Allenoates with 3-Nitro-2H -chromenes: Synthesis of Tetrahydrocyclopenta[c]chromenes. European Journal of Organic Chemistry, 2019, 2019, 5441-5451.	1.2	15
114	Coil-globule Coexistence and Compaction of DNA Chains. Journal of Biological Physics, 2007, 32, 421-434.	0.7	14
115	A rapid reversed-phase HPLC method for the simultaneous analysis of olanzapine and simvastatin in dual nanostructured lipid carriers. Analytical Methods, 2013, 5, 5058.	1.3	14
116	Amine-Î²-cyclodextrin-based nanosponges. The role of cyclodextrin amphiphilicity in the imidacloprid uptake. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2022, 635, 128044.	2.3	14
117	Virial theorem decomposition as a tool for comparing and improving potential-energy surfaces: ground-state Li3. Journal of the Chemical Society, Faraday Transactions, 1994, 90, 1381.	1.7	13
118	Is standard multivariate analysis sufficient in clinical and epidemiological studies?. Journal of Biomedical Informatics, 2013, 46, 75-86.	2.5	13
119	Peptide-lipid nanoconstructs act site-specifically towards glioblastoma growth impairment. European Journal of Pharmaceutics and Biopharmaceutics, 2020, 155, 177-189.	2.0	13
120	Biomimeting ultra-small lipid nanoconstructs for glioblastoma treatment: A computationally guided experimental approach. International Journal of Pharmaceutics, 2020, 587, 119661.	2.6	13
121	Ultrasoundâ€mediated synthesis of camphoric acidâ€based chiral salens for the enantioselective trimethylsilylcyanation of aldehydes. Chirality, 2010, 22, 425-431.	1.3	12
122	Stereoselective formation of tertiary and quaternary carbon centers via inverse conjugate addition of carbonucleophiles to allenic esters. Tetrahedron, 2010, 66, 7720-7725.	1.0	12
123	Dibrominated camphoric acid derived salen complexes: Synthesis, characterization and cytotoxic activity. Polyhedron, 2017, 137, 147-156.	1.0	12
124	Host flexibility and space filling in supramolecular complexation of cyclodextrins: A free-energy-oriented approach. Carbohydrate Polymers, 2019, 205, 42-54.	5.1	12
125	A Stepwise Framework for the Systematic Development of Lipid Nanoparticles. Biomolecules, 2022, 12, 223.	1.8	12
126	Generation and characterization of lowâ€energy structures in atomic clusters. Journal of Computational Chemistry, 2010, 31, 1495-1503.	1.5	11

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127	Effects of commercial non-ionic alkyl oxyethylene and ionic biocompatible arginine-based surfactants on the photophysical behaviour of several poly(fluorene-1,4-phenylene)s. Journal of Molecular Liquids, 2010, 156, 18-27.	2.3	10
128	A new perspective on correlated polyelectrolyte adsorption: Positioning, conformation, and patterns. Journal of Chemical Physics, 2013, 139, 054906.	1.2	10
129	Ternary complexes DNAâ€“polyethylenimineâ€“Fe(iii) with linear and branched polycations: implications on condensation, size, charge and in vitro biocompatibility. Soft Matter, 2013, 9, 10799.	1.2	10
130	Molecular interaction governing solubility and release profiles in supramolecular systems containing fenbufen, pluronics and cyclodextrins. Journal of Inclusion Phenomena and Macrocyclic Chemistry, 2015, 81, 395-407.	0.9	10
131	Hierarchical design of hyaluronic acid-peptide constructs for glioblastoma targeting: Combining insights from NMR and molecular dynamics simulations. Journal of Molecular Liquids, 2020, 315, 113774.	2.3	10
132	Polymer distribution in connected spherical domains. Journal of Chemical Physics, 2005, 122, 214902.	1.2	9
133	Effect of the Architecture on Polyelectrolyte Adsorption and Condensation at Responsive Surfaces. Journal of Physical Chemistry B, 2012, 116, 9246-9254.	1.2	9
134	Differentiation of aminomethyl corrole isomers by mass spectrometry. Journal of Mass Spectrometry, 2012, 47, 516-522.	0.7	9
135	Bambusurils as effective ion caging agents: Does desolvation guide conformation?. Chemical Physics Letters, 2017, 672, 89-96.	1.2	9
136	Targeted siRNA Delivery Using Lipid Nanoparticles. Methods in Molecular Biology, 2020, 2059, 259-283.	0.4	9
137	Rethinking transdermal drug delivery using PVA-NLC based films. Polymer, 2021, 230, 124032.	1.8	9
138	Dynamics of the Li + Li2Reaction:Â Coexistence of Statistical and Direct Attributes. The Journal of Physical Chemistry, 1996, 100, 7480-7487.	2.9	8
139	New approach to exclusive formation of both enantiomers of Î²-amino acid derivatives. Tetrahedron, 2008, 64, 8141-8148.	1.0	8
140	Improving discrimination in the grading of rat mammary tumors using two-dimensional mapping of histopathological observations. Experimental and Toxicologic Pathology, 2014, 66, 73-80.	2.1	8
141	Confined polyelectrolytes: The complexity of a simple system. Journal of Computational Chemistry, 2015, 36, 1579-1586.	1.5	8
142	Development and optimization of an HPLCâ€“DAD method for quantification of six petroleum hydrocarbon compounds in aqueous samples. Journal of Liquid Chromatography and Related Technologies, 2016, 39, 837-846.	0.5	8
143	Probing metal cations with two new Schiff base bischromophoric pyrene based chemosensors: Synthesis, photophysics and interactions patterns. Dyes and Pigments, 2016, 134, 601-612.	2.0	8
144	Unstructured Formulation Data Analysis for the Optimization of Lipid Nanoparticle Drug Delivery Vehicles. AAPS PharmSciTech, 2018, 19, 2383-2394.	1.5	8

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145	Diving into Batch-to-Batch Variability of Topical Products-a Regulatory Bottleneck. Pharmaceutical Research, 2020, 37, 218.	1.7	8
146	Development and validation of a RP-HPLC method for the simultaneous analysis of paracetamol, ibuprofen, olanzapine, and simvastatin during microalgae bioremediation. MethodsX, 2020, 7, 101083.	0.7	8
147	On the Microwave-Assisted Synthesis and Oxidation of Biginelli Compounds: Comparative Study of Dihydropyrimidinones and Thiones Oxidation. Current Microwave Chemistry, 2014, 1, 119-134.	0.2	7
148	From molecular modelling to photophysics of neutral oligo- and polyfluorenes incorporated into phospholipid bilayers. Soft Matter, 2015, 11, 303-317.	1.2	7
149	Structural Characterization of Bubbles Formed in DNA Melting: A Monte Carlo Simulation Study. ACS Omega, 2017, 2, 1915-1921.	1.6	7
150	Fluorescence Enhancement of a Cationic Fluoreneâ€“Phenylene Conjugated Polyelectrolyte Induced by Nonionic n-Alkyl Polyoxyethylene Surfactants. Langmuir, 2017, 33, 13350-13363.	1.6	7
151	Monitoring oil production for biobased feedstock in the microalga Nannochloropsis sp.: a novel method combining the BODIPY BD-C12 fluorescent probe and simple image processing. Journal of Applied Phycology, 2018, 30, 2273-2285.	1.5	7
152	Expediting Disulfiram Assays through a Systematic Analytical Quality by Design Approach. Chemosensors, 2021, 9, 172.	1.8	7
153	Artificial Intelligence and Quantum Computing as the Next Pharma Disruptors. Methods in Molecular Biology, 2022, 2390, 321-347.	0.4	7
154	Molecular factor analysis in atom-transfer reactions. Molecular Physics, 2006, 104, 731-743.	0.8	6
155	Structure of Microemulsionâ^'ABA Triblock Copolymer Networks. Langmuir, 2008, 24, 11153-11163.	1.6	6
156	Influence of droplet properties on the formation of microemulsion-ABA-triblock copolymer networks. Soft Matter, 2009, 5, 140-147.	1.2	6
157	Combining polyethylenimine and Fe(III) for mediating pDNA transfection. Biochimica Et Biophysica Acta - General Subjects, 2015, 1850, 1325-1335.	1.1	6
158	A novel Pd-catalysed sequential carbonylation/cyclization approach toward bis- N -heterocycles: rationalization by electronic structure calculations. Royal Society Open Science, 2018, 5, 181140.	1.1	6
159	Clinical applications of nanostructured drug delivery systems. , 2018, , 43-116.		6
160	Effect of Eu(III) and Tb(III) chloride on the gelification behavior of poly(sodium acrylate). Journal of Molecular Liquids, 2018, 264, 205-214.	2.3	6
161	Sorting hidden patterns in nanoparticle performance for glioblastoma using machine learning algorithms. International Journal of Pharmaceutics, 2021, 592, 120095.	2.6	6
162	The role of excluded volume and electrostatics from coarse-grain modeling of the interaction of gemini surfactants with like-charged membranes. Molecular Physics, 2013, 111, 123-134.	0.8	5

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163	Analysis of raw EEM fluorescence spectra - ICA and PARAFAC capabilities. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2018, 205, 320-334.	2.0	5
164	Aggregation of Cyclodextrins: Fundamental Issues and Applications. , 2018, , .		5
165	Adsorption of charged macromolecules upon multicomponent responsive surfaces. Physical Chemistry Chemical Physics, 2018, 20, 19811-19818.	1.3	5
166	Luminescent Properties of Lanthanoid-Poly(Sodium Acrylate) Composites: Insights on the Interaction Mechanism. Polymers, 2020, 12, 1314.	2.0	5
167	Maximization of regioselectivity in hydroformylation of vinyl-aromatics using simple factorial design. Journal of Molecular Catalysis A, 2007, 267, 234-240.	4.8	4
168	Iberian universities: a characterisation from ESI rankings. Scientometrics, 2013, 94, 1239-1251.	1.6	4
169	Nonrandom adsorption of polyelectrolyte chains on finite regularly charged surfaces. Journal of Computational Chemistry, 2013, 34, 1198-1209.	1.5	4
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