

# Artur J M Valente

## List of Publications by Year in descending order

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228  
papers

5,331  
citations

94269

37  
h-index

138251

58  
g-index

239  
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239  
docs citations

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times ranked

5787  
citing authors

#	ARTICLE	IF	CITATIONS
1	Assessment of heavy metal pollution from anthropogenic activities and remediation strategies: A review. <i>Journal of Environmental Management</i> , 2019, 246, 101-118.	3.8	568
2	The formation of host-guest complexes between surfactants and cyclodextrins. <i>Advances in Colloid and Interface Science</i> , 2014, 205, 156-176.	7.0	163
3	Binary Mutual Diffusion Coefficients of Aqueous Solutions of Sucrose, Lactose, Glucose, and Fructose in the Temperature Range from (298.15 to 328.15) K. <i>Journal of Chemical &amp; Engineering Data</i> , 2006, 51, 1836-1840.	1.0	148
4	Release and antioxidant activity of carvacrol and thymol from polypropylene active packaging films. <i>LWT - Food Science and Technology</i> , 2014, 58, 470-477.	2.5	128
5	Functional properties of sodium and calcium caseinate antimicrobial active films containing carvacrol. <i>Journal of Food Engineering</i> , 2014, 121, 94-101.	2.7	112
6	Interaction between DNA and Cationic Surfactants: Effect of DNA Conformation and Surfactant Headgroup. <i>Journal of Physical Chemistry B</i> , 2008, 112, 14446-14452.	1.2	88
7	Cyclodextrin-grafted cellulose: Physico-chemical characterization. <i>Carbohydrate Polymers</i> , 2013, 93, 324-330.	5.1	73
8	Heavy metals in Iberian soils: Removal by current adsorbents/amendments and prospective for aerogels. <i>Advances in Colloid and Interface Science</i> , 2016, 237, 28-42.	7.0	70
9	Binary Mutual Diffusion Coefficients of Aqueous Solutions of $\beta$ -Cyclodextrin at Temperatures from 298.15 to 312.15 K. <i>Journal of Chemical &amp; Engineering Data</i> , 2006, 51, 1368-1371.	1.0	69
10	A review on cationic starch and nanocellulose as paper coating components. <i>International Journal of Biological Macromolecules</i> , 2020, 162, 578-598.	3.6	67
11	Thermodynamic and Kinetic Characterization of Host-Guest Association between Bolaform Surfactants and $\alpha$ - and $\beta$ -Cyclodextrins. <i>Journal of Physical Chemistry B</i> , 2008, 112, 11310-11316.	1.2	63
12	New deep eutectic solvent assisted extraction of highly pure lignin from maritime pine sawdust ( <i>Pinus</i> )	3.6	63
13	Transport properties of alkyltrimethylammonium bromide surfactants in aqueous solutions. <i>Colloid and Polymer Science</i> , 2004, 283, 277-283.	1.0	61
14	PVA-DNA Cryogel Membranes: Characterization, Swelling, and Transport Studies. <i>Langmuir</i> , 2008, 24, 273-279.	1.6	60
15	Silica-based aerogels as adsorbents for phenol-derivative compounds. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2015, 480, 260-269.	2.3	60
16	Combining Cellulose and Cyclodextrins: Fascinating Designs for Materials and Pharmaceuticals. <i>Frontiers in Chemistry</i> , 2018, 6, 271.	1.8	58
17	Interactions between Gemini Surfactants, 12-s-12, and $\beta$ -cyclodextrin As Investigated by NMR Diffusometry and Electric Conductometry. <i>Langmuir</i> , 2006, 22, 8663-8669.	1.6	53
18	Dissolution of kraft lignin in alkaline solutions. <i>International Journal of Biological Macromolecules</i> , 2020, 148, 688-695.	3.6	52

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19	Cyclodextrin-Based Nanosponges: Overview and Opportunities. <i>Frontiers in Chemistry</i> , 2022, 10, 859406.	1.8	51
20	Interactions between n-octyl and n-nonyl $\beta$ -D-glucosides and $\alpha$ - and $\beta$ -cyclodextrins as seen by self-diffusion NMR. <i>Journal of Colloid and Interface Science</i> , 2005, 281, 218-224.	5.0	50
21	Binary Mutual Diffusion Coefficients of Aqueous Solutions of $\alpha$ -Cyclodextrin, 2-Hydroxypropyl- $\alpha$ -cyclodextrin, and 2-Hydroxypropyl- $\beta$ -cyclodextrin at Temperatures from (298.15 to) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 507 Td (b	1.0	45
22	Characterization of Poly( $\epsilon$ -caprolactone)-Based Nanocomposites Containing Hydroxytyrosol for Active Food Packaging. <i>Journal of Agricultural and Food Chemistry</i> , 2014, 62, 2244-2252.	2.4	50
23	Covalent Organic Frameworks: Synthesis, Properties and Applicationsâ€”An Overview. <i>Polymers</i> , 2021, 13, 970.	2.0	50
24	Synthesis and properties of polyanilineâ€”cellulose acetate blends: The use of sugarcane bagasse waste and the effect of the substitution degree. <i>Carbohydrate Polymers</i> , 2009, 78, 402-408.	5.1	48
25	Interaction between the Water Soluble Poly{1,4-phenylene-[9,9-bis(4-phenoxy) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 507 Td (b Conductivity Measurements. <i>Journal of Physical Chemistry B</i> , 2005, 109, 19108-19115.	1.2	47
26	Cyclodextrin Polymers and Cyclodextrin-Containing Polysaccharides for Water Remediation. <i>Polysaccharides</i> , 2021, 2, 16-38.	2.1	47
27	Effect of terbium(III) chloride on the micellization properties of sodium decyl- and dodecyl-sulfate solutions. <i>Journal of Colloid and Interface Science</i> , 2007, 306, 166-174.	5.0	45
28	Inclusion complexes of rosmarinic acid and cyclodextrins: stoichiometry, association constants, and antioxidant potential. <i>Colloid and Polymer Science</i> , 2014, 292, 885-894.	1.0	44
29	Diffusion coefficients and electrical conductivities for calcium chloride aqueous solutions at 298.15K and 310.15K. <i>Electrochimica Acta</i> , 2008, 54, 192-196.	2.6	41
30	Gel Network Photodisruption: A New Strategy for the Codelivery of Plasmid DNA and Drugs. <i>Langmuir</i> , 2011, 27, 13780-13789.	1.6	41
31	New insights on the interaction between hydroxypropylmethyl cellulose and sodium dodecyl sulfate. <i>Carbohydrate Polymers</i> , 2011, 86, 35-44.	5.1	41
32	Interactions of vanadates with carbohydrates in aqueous solutions. <i>Journal of Molecular Structure</i> , 2004, 703, 93-101.	1.8	40
33	Diffusion Coefficients of Copper Chloride in Aqueous Solutions at 298.15 K and 310.15 K. <i>Journal of Chemical &amp; Engineering Data</i> , 2005, 50, 1986-1990.	1.0	40
34	Effect of Europium(III) Chloride on the Aggregation Behavior of Sodium Dodecyl Sulfate. <i>Langmuir</i> , 2006, 22, 5625-5629.	1.6	40
35	Modulating the Emission Intensity of Through Interaction with Sodium Alkylsulfonate Surfactants. <i>Journal of Physical Chemistry B</i> , 2007, 111, 13560-13569.	1.2	39
36	Binding of polynucleotides to conjugated polyelectrolytes and its applications in sensing. <i>Advances in Colloid and Interface Science</i> , 2010, 158, 94-107.	7.0	39

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37	Some Transport Properties of $\beta$ -Cyclodextrin Aqueous Solutions at (298.15 and 310.15) K. Journal of Chemical & Engineering Data, 2008, 53, 755-759.	1.0	38
38	Thermodynamic analysis of the interaction between trivalent metal ions and sodium dodecyl sulfate: An electrical conductance study. Journal of Molecular Liquids, 2010, 156, 109-114.	2.3	38
39	Controlled Release of Thymol from Poly(Lactic Acid)-Based Silver Nanocomposite Films with Antibacterial and Antioxidant Activity. Antioxidants, 2020, 9, 395.	2.2	38
40	Aggregation and micellization of sodium dodecyl sulfate in the presence of Ce(III) at different temperatures: A conductometric study. Journal of Colloid and Interface Science, 2008, 323, 141-145.	5.0	37
41	Association between ammonium monovanadate and $\beta$ -cyclodextrin as seen by NMR and transport techniques. Polyhedron, 2006, 25, 3581-3587.	1.0	36
42	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
43	Aqueous Solution Behavior of Anionic Fluorene-co-thiophene-Based Conjugated Polyelectrolytes. ACS Applied Materials & Interfaces, 2009, 1, 864-874.	4.0	34
44	Synthesis, characterization and sorption studies of aromatic compounds by hydrogels of chitosan blended with $\beta$ -cyclodextrin- and PVA-functionalized pectin. RSC Advances, 2018, 8, 14609-14622.	1.7	34
45	Fabrication of lanthanum linked trimesic acid as porous metal organic frameworks for effective nitrate and phosphate adsorption. Journal of Solid State Chemistry, 2021, 302, 122446.	1.4	34
46	Cationic fluorene-thiophene diblock copolymers: Aggregation behaviour in methanol/water and its relation to thin film structures. Polymer, 2010, 51, 1898-1903.	1.8	33
47	Synthesis and controlled curcumin supramolecular complex release from pH-sensitive modified gum-arabic-based hydrogels. RSC Advances, 2015, 5, 94519-94533.	1.7	33
48	Permeation of water as a tool for characterizing the effect of solvent, film thickness and water solubility in cellulose acetate membranes. European Polymer Journal, 2005, 41, 275-281.	2.6	32
49	Permeation of sodium dodecyl sulfate through polyaniline-modified cellulose acetate membranes. Polymer, 2005, 46, 5918-5928.	1.8	31
50	Interactions of Copper (II) Chloride with $\beta$ -Cyclodextrin in Aqueous Solutions. Journal of Carbohydrate Chemistry, 2006, 25, 173-185.	0.4	31
51	Effect of non-associated electrolyte solutions on the behaviour of poly(vinyl alcohol)-based hydrogels. European Polymer Journal, 2007, 43, 460-467.	2.6	31
52	Synthesis and characterization of new aromatic polyamides bearing crown ethers and acyclic ethylene oxide units in the pendant structure. III. Benzo-18-crown-6 systems and their open-chain counterparts. Journal of Polymer Science Part A, 2006, 44, 6252-6269.	2.5	30
53	The effect of the head-group spacer length of 12-s-12 gemini surfactants in the host-guest association with $\beta$ -cyclodextrin. Journal of Colloid and Interface Science, 2011, 354, 725-732.	5.0	30
54	The role of cyclodextrin-tetrabutylammonium complexation on the cellulose dissolution. Carbohydrate Polymers, 2016, 140, 136-143.	5.1	30

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55	Removal of Pharmaceuticals from Water by Free and Immobilised Microalgae. <i>Molecules</i> , 2020, 25, 3639.	1.7	30
56	NMR diffusometry and conductometry study of the host-guest association between $\beta$ -cyclodextrin and dodecane 1,12-bis(trimethylammonium bromide). <i>Journal of Colloid and Interface Science</i> , 2006, 300, 782-787.	5.0	29
57	Cyclodextrin-based Materials for Removing Micropollutants From Wastewater. <i>Current Organic Chemistry</i> , 2018, 22, 2150-2181.	0.9	29
58	Caracterizaç�o de acetato de celulose obtido a partir do bagaço de cana-de-açúcar por $^1\text{H}$ -RMN. <i>Polimeros</i> , 2010, 20, 85-91.	0.2	28
59	Drug release mechanisms of chemically cross-linked albumin microparticles: Effect of the matrix erosion. <i>Colloids and Surfaces B: Biointerfaces</i> , 2014, 122, 404-413.	2.5	28
60	What conjugated polyelectrolytes tell us about aggregation in polyelectrolyte/surfactant systems. <i>Journal of Molecular Liquids</i> , 2015, 210, 82-99.	2.3	28
61	Does poly(vinyl alcohol) act as an amphiphilic polymer? An interaction study with simvastatin. <i>Journal of Molecular Liquids</i> , 2016, 222, 287-294.	2.3	27
62	Efficient simultaneous removal of petroleum hydrocarbon pollutants by a hydrophobic silica aerogel-like material. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2017, 520, 550-560.	2.3	27
63	Transport Properties of Concentrated Aqueous Sodium Dodecyl Sulfate Solutions in Polymer Membranes Derived from Cellulose Esters. <i>Langmuir</i> , 2000, 16, 6475-6479.	1.6	26
64	Diffusion coefficients of lead (II) nitrate in nitric acid aqueous solutions at 298 K. <i>Journal of Molecular Liquids</i> , 2004, 111, 33-38.	2.3	26
65	Transport of non-associated electrolytes in acrylamide hydrogels. <i>Journal of Molecular Liquids</i> , 2001, 94, 179-192.	2.3	25
66	Interactions between surfactants and {1,4-phenylene-[9,9-bis(4-phenoxy-butylsulfonate)]fluorene-2,7-diyl}. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2005, 270-271, 61-66.	2.3	25
67	Effect of stoichiometry and pH on the structure and properties of Chitosan/Chondroitin sulfate complexes. <i>Colloid and Polymer Science</i> , 2011, 289, 1739-1748.	1.0	25
68	Finding the ideal polyethylenimine-plasmid DNA system for co-delivery of payloads in cancer therapy. <i>Colloids and Surfaces B: Biointerfaces</i> , 2018, 170, 627-636.	2.5	25
69	Poly( $\beta$ -cyclodextrin)-Activated Carbon Gel Composites for Removal of Pesticides from Water. <i>Molecules</i> , 2021, 26, 1426.	1.7	25
70	Do Cyclodextrins Aggregate in Water? Insights from NMR Experiments. <i>Langmuir</i> , 2015, 31, 6314-6320.	1.6	24
71	Amine Modification of Silica Aerogels/Xerogels for Removal of Relevant Environmental Pollutants. <i>Molecules</i> , 2019, 24, 3701.	1.7	24
72	Controlled Release, Disintegration, Antioxidant, and Antimicrobial Properties of Poly (Lactic) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 62 Td	2.0	24

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73	Crown moieties as cation host units in model polyamide compounds: Application in liquid-liquid cation extraction and in membrane cation transport. <i>European Polymer Journal</i> , 2007, 43, 3838-3848.	2.6	23
74	Diffusion and sorption studies of dyes through PVA cryogel membranes. <i>Journal of Applied Polymer Science</i> , 2010, 115, 1445-1453.	1.3	23
75	Mutual diffusion coefficients of L-glutamic acid and monosodium L-glutamate in aqueous solutions at T=298.15K. <i>Journal of Chemical Thermodynamics</i> , 2014, 74, 133-137.	1.0	23
76	The interaction of long chain sodium carboxylates and sodium dodecylsulfate with lead(II) ions in aqueous solutions. <i>Journal of Colloid and Interface Science</i> , 2014, 414, 66-72.	5.0	23
77	Insights on toxicity, safe handling and disposal of silica aerogels and amorphous nanoparticles. <i>Environmental Science: Nano</i> , 2021, 8, 1177-1195.	2.2	23
78	Effect of Metal Ion Hydration on the Interaction between Sodium Carboxylates and Aluminum(III) or Chromium(III) Ions in Aqueous Solution. <i>Langmuir</i> , 2012, 28, 168-177.	1.6	22
79	Structural characterization of solid trivalent metal dodecyl sulfates: from aqueous solution to lamellar superstructures. <i>RSC Advances</i> , 2013, 3, 1420-1433.	1.7	22
80	Levulinic acid: A novel sustainable solvent for lignin dissolution. <i>International Journal of Biological Macromolecules</i> , 2020, 164, 3454-3461.	3.6	22
81	Chitosan-Based Coacervate Polymers for Propolis Encapsulation: Release and Cytotoxicity Studies. <i>International Journal of Molecular Sciences</i> , 2020, 21, 4561.	1.8	22
82	DNA as Seen by Spectroscopy, Viscosity, and Conductivity: Effect of Molecular Weights and DNA Secondary Structure. <i>Journal of Physical Chemistry B</i> , 2009, 113, 1294-1302.	1.2	21
83	Stimuli-responsive polyamine-DNA blend nanogels for co-delivery in cancer therapy. <i>Colloids and Surfaces B: Biointerfaces</i> , 2015, 132, 194-201.	2.5	21
84	Energy transfer and multicolour tunable emission of Eu,Tb(PSA)Phen composites. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2019, 569, 93-101.	2.3	21
85	Diffusion coefficients of lithium chloride and potassium chloride in hydrogel membranes derived from acrylamide. <i>European Polymer Journal</i> , 2002, 38, 13-18.	2.6	20
86	What drives the precipitation of long-chain calcium carboxylates (soaps) in aqueous solution?. <i>Physical Chemistry Chemical Physics</i> , 2012, 14, 7517.	1.3	20
87	On the flocculation and re-dissolution of trivalent lanthanide metal ions by sodium dodecyl sulfate in aqueous solutions. <i>Journal of Colloid and Interface Science</i> , 2011, 354, 670-676.	5.0	19
88	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). <i>Physical Chemistry Chemical Physics</i> , 2012, 14, 7950.	1.3	19
89	Binary Diffusion Coefficients for Aqueous Solutions of L-Aspartic Acid and Its Respective Monosodium Salt. <i>Journal of Solution Chemistry</i> , 2014, 43, 83-92.	0.6	19
90	Plasmid DNA microgels for drug/gene co-delivery: A promising approach for cancer therapy. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2014, 442, 181-190.	2.3	19

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91	The effect of methacrylation on the behavior of Gum Arabic as pH-responsive matrix for colon-specific drug delivery. <i>European Polymer Journal</i> , 2016, 78, 326-339.	2.6	19
92	A co-delivery platform based on plasmid DNA peptide-surfactant complexes: formation, characterization and release behavior. <i>Colloids and Surfaces B: Biointerfaces</i> , 2019, 178, 430-438.	2.5	19
93	Silica Aerogels/Xerogels Modified with Nitrogen-Containing Groups for Heavy Metal Adsorption. <i>Molecules</i> , 2020, 25, 2788.	1.7	19
94	Removal of Imidacloprid from Water by Microalgae <i>Nannochloropsis</i> sp. and Its Determination by a Validated RP-HPLC Method. <i>Bulletin of Environmental Contamination and Toxicology</i> , 2021, 107, 131-139.	1.3	19
95	Multicomponent Interdiffusion and Self-Diffusion of the Cationic Poly{[9,9-bis(6- <i>N</i> , <i>N</i> , <i>N</i> -trimethylammonium)hexyl]fluorene-phenylene} Dibromide in a Dimethyl Sulfoxide + Water Solution. <i>Journal of Chemical &amp; Engineering Data</i> , 2010, 55, 1860-1866.	1.0	18
96	Plasmid DNA Microgels for a Therapeutical Strategy Combining the Delivery of Genes and Anticancer Drugs. <i>Macromolecular Bioscience</i> , 2012, 12, 1243-1252.	2.1	18
97	Mass transport techniques as a tool for a better understanding of the structure of L-Dopa in aqueous solutions. <i>International Journal of Pharmaceutics</i> , 2013, 447, 293-297.	2.6	18
98	Interactions of a zwitterionic thiophene-based conjugated polymer with surfactants. <i>Polymer Chemistry</i> , 2015, 6, 8036-8046.	1.9	18
99	Aqueous solution and solid state interactions of lanthanide ions with a methacrylic ester polymer bearing pendant 15-crown-5 moieties. <i>Journal of Polymer Science Part A</i> , 2007, 45, 1788-1799.	2.5	17
100	Exploring the prebiotic effect of cyclodextrins on probiotic bacteria entrapped in carboxymethyl cellulose-chitosan particles. <i>Colloids and Surfaces B: Biointerfaces</i> , 2018, 168, 156-162.	2.5	17
101	Transport of solutes through calix[4]pyrrole-containing cellulose acetate films. <i>European Polymer Journal</i> , 2007, 43, 2433-2442.	2.6	16
102	Cross-linked DNA gels: Disruption and release properties. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2010, 354, 28-33.	2.3	16
103	Plasmid DNA nanogels as photoresponsive materials for multifunctional bio-applications. <i>Journal of Biotechnology</i> , 2015, 202, 98-104.	1.9	16
104	Molecular Dynamics of Cyclodextrins in Water Solutions from NMR Deuterium Relaxation: Implications for Cyclodextrin Aggregation. <i>Langmuir</i> , 2017, 33, 8233-8238.	1.6	16
105	A broad overview on innovative functionalized paper solutions. <i>Nordic Pulp and Paper Research Journal</i> , 2019, 34, 395-416.	0.3	16
106	Association of antioxidant monophenolic compounds with $\beta$ -cyclodextrin-functionalized cellulose and starch substrates. <i>Carbohydrate Polymers</i> , 2021, 267, 118189.	5.1	16
107	Diffusion Coefficients of Aqueous Solutions of Carbohydrates as Seen by Taylor Dispersion Technique at Physiological Temperature (37 °C). <i>Defect and Diffusion Forum</i> , 2006, 258-260, 305-309.	0.4	15
108	Release of DNA from cryogel PVA-DNA membranes. <i>EXPRESS Polymer Letters</i> , 2010, 4, 480-487.	1.1	15

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109	Effect of Cyclodextrins and pH on the permeation of tetracaine: Supramolecular assemblies and release behavior. <i>International Journal of Pharmaceutics</i> , 2014, 466, 349-358.	2.6	15
110	Plasmid DNA hydrogels for biomedical applications. <i>Advances in Colloid and Interface Science</i> , 2014, 205, 257-264.	7.0	15
111	Mutual diffusion coefficients of L-lysine in aqueous solutions. <i>Journal of Chemical Thermodynamics</i> , 2014, 74, 227-230.	1.0	15
112	Interpreting the Rich Behavior of Ternary DNA-PEI-Fe(III) Complexes. <i>Biomacromolecules</i> , 2014, 15, 478-491.	2.6	15
113	Thermodynamic study of the interaction between 5,10,15,20-tetrakis-(N-methyl-4-pyridyl)porphyrin tetraiodine and sodium dodecyl sulfate. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2015, 480, 279-286.	2.3	15
114	Properties and patterns in anion-receptors: A closer look at bambusurils. <i>Journal of Molecular Liquids</i> , 2017, 242, 640-652.	2.3	15
115	The structure and diffusion behaviour of the neurotransmitter $\hat{I}^3$ -aminobutyric acid (GABA) in neutral aqueous solutions. <i>Journal of Chemical Thermodynamics</i> , 2017, 104, 110-117.	1.0	15
116	Interactions of copper (II) chloride with sucrose, glucose, and fructose in aqueous solutions. <i>Journal of Molecular Structure</i> , 2007, 826, 113-119.	1.8	14
117	Interaction between copper chloride and caffeine as seen by diffusion at 25 $\hat{A}$ °C and 37 $\hat{A}$ °C. <i>Food Chemistry</i> , 2010, 118, 847-850.	4.2	14
118	Spectroscopic Properties, Excitation, and Electron Transfer in an Anionic Water-Soluble Poly(fluorene- <i>alt</i> -phenylene)-perylene $\hat{I}$ diimide Copolymer. <i>Journal of Physical Chemistry B</i> , 2012, 116, 7548-7559.	1.2	14
119	Amine- $\hat{I}^2$ -cyclodextrin-based nanosponges. The role of cyclodextrin amphiphilicity in the imidacloprid uptake. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2022, 635, 128044.	2.3	14
120	Diffusion coefficients of sodium dodecyl sulfate in water swollen cross-linked polyacrylamide membranes. <i>European Polymer Journal</i> , 2002, 38, 2187-2196.	2.6	13
121	Light triggered release of solutes from covalent DNA gels. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2011, 391, 80-87.	2.3	13
122	The Inclusion of Chitosan in Poly- $\hat{I}$ -caprolactone Nanoparticles: Impact on the Delivery System Characteristics and on the Adsorbed Ovalbumin Secondary Structure. <i>AAPS PharmSciTech</i> , 2018, 19, 101-113.	1.5	13
123	Non-Newtonian Thermosensitive Nanofluid Based on Carbon Dots Functionalized with Ionic Liquids. <i>Small</i> , 2020, 16, e1907661.	5.2	13
124	Methylene Blue Release from Chitosan/Pectin and Chitosan/DNA Blend Hydrogels. <i>Pharmaceutics</i> , 2021, 13, 842.	2.0	13
125	Novel approach on the synthesis of starch betainate by transesterification. <i>International Journal of Biological Macromolecules</i> , 2021, 182, 1681-1689.	3.6	13
126	Combined sorption/transport of sodium dodecyl sulfate and hydrochloric acid in a blend of cellulose acetate butyrate with cellulose acetate hydrogen phthalate. <i>European Polymer Journal</i> , 2004, 40, 109-117.	2.6	12

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127	Thermodynamic analysis of unimer-micelle and sphere-to-rod micellar transitions of aqueous solutions of sodium dodecylbenzenesulfonate. <i>Journal of Chemical Thermodynamics</i> , 2014, 77, 54-62.	1.0	12
128	Effect of different electrolytes on the swelling properties of calyx[4]pyrrole-containing polyacrylamide membranes. <i>European Polymer Journal</i> , 2006, 42, 2059-2068.	2.6	11
129	Diffusion coefficients of aluminium chloride in aqueous solutions at 298.15, 303.15 and 315.15K. <i>Electrochimica Acta</i> , 2007, 52, 6450-6455.	2.6	11
130	Mean distance of closest approach of potassium, cesium and rubidium ions in aqueous solutions: Experimental and theoretical calculations. <i>Journal of Molecular Liquids</i> , 2009, 146, 69-73.	2.3	11
131	Effect of pH in the structure and mass transport by diffusion of theophylline. <i>Journal of Chemical Thermodynamics</i> , 2017, 110, 162-170.	1.0	11
132	Nanofluid Based on Glucose-Derived Carbon Dots Functionalized with [Bmim]Cl for the Next Generation of Smart Windows. <i>Advanced Sustainable Systems</i> , 2019, 3, 1900047.	2.7	11
133	A comprehensive photophysical and NMR investigation on the interaction of a 4-methylumbelliferone derivative and cucurbit[7]uril. <i>Journal of Molecular Liquids</i> , 2019, 277, 1026-1034.	2.3	11
134	pH-responsive micellization of an amine oxide surfactant with branched hydrophobic tail. <i>Journal of Molecular Liquids</i> , 2020, 316, 113799.	2.3	11
135	Sorption/diffusion behaviour of anionic surfactants in polyacrylamide hydrogels: from experiment to modelling. <i>European Polymer Journal</i> , 2003, 39, 1855-1865.	2.6	10
136	Sorption of sodium dodecyl sulfate by polyaniline-cellulose acetate polymeric blends as seen by UV-vis spectroscopy. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2006, 275, 221-227.	2.3	10
137	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. <i>Journal of Molecular Liquids</i> , 2010, 156, 18-27.	2.3	10
138	Transport Properties of Aqueous Solutions of (1 <i>R</i> ,2 <i>S</i> )- and (1 <i>S</i> ,2 <i>R</i> )-(+)-Ephedrine Hydrochloride at Different Temperatures. <i>Journal of Chemical &amp; Engineering Data</i> , 2010, 55, 1145-1152.	1.0	10
139	Novel electrospun luminescent nanofibers from cationic polyfluorene/cellulose acetate blend. <i>Cellulose</i> , 2013, 20, 169-177.	2.4	10
140	Binary diffusion coefficients of l-histidine methyl ester dihydrochloride in aqueous solutions. <i>Journal of Chemical Thermodynamics</i> , 2015, 89, 240-244.	1.0	10
141	Incorporation of a Cationic Conjugated Polyelectrolyte CPE within an Aqueous Poly(vinyl alcohol) Sol. <i>Macromolecules</i> , 2016, 49, 9119-9131.	2.2	10
142	From a new cellulose solvent to the cyclodextrin induced formation of hydrogels. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2017, 532, 548-555.	2.3	10
143	A Review on (Hydro)Porphyrin-Loaded Polymer Micelles: Interesting and Valuable Platforms for Enhanced Cancer Nanotheranostics. <i>Pharmaceutics</i> , 2019, 11, 81.	2.0	10
144	Highly Conducting Bombyx mori Silk Fibroin-Based Electrolytes Incorporating Glycerol, Dimethyl Sulfoxide and [Bmim]PF <sub>6</sub> . <i>Journal of the Electrochemical Society</i> , 2020, 167, 070551.	1.3	10

#	ARTICLE	IF	CITATIONS
145	Mean distance of closest approach of ions: Lithium salts in aqueous solutions. <i>Journal of Molecular Liquids</i> , 2008, 140, 73-77.	2.3	9
146	Incorporation of polyfluorenes into poly(lactic acid) films for sensor and optoelectronics applications. <i>Polymer International</i> , 2012, 61, 1023-1030.	1.6	9
147	Interactions between cationic surfactants and 5,10,15,20-tetrakis(4-sulfonatophenyl)porphyrin tetrasodium salt as seen by electric conductometry and spectroscopic techniques. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2015, 481, 288-296.	2.3	9
148	Towards improved adsorption of phenolic compounds by surface chemistry tailoring of silica aerogels. <i>Journal of Sol-Gel Science and Technology</i> , 2017, 84, 409-421.	1.1	9
149	Effect of sodium salts on diffusion of poly(vinyl alcohol) in aqueous solutions. <i>Journal of Molecular Liquids</i> , 2020, 304, 112728.	2.3	9
150	Uncommon Sorption Mechanism of Aromatic Compounds onto Poly(Vinyl Alcohol)/Chitosan/Maleic Anhydride- $\beta$ -Cyclodextrin Hydrogels. <i>Polymers</i> , 2020, 12, 877.	2.0	9
151	Rethinking transdermal drug delivery using PVA-NLC based films. <i>Polymer</i> , 2021, 230, 124032.	1.8	9
152	Paper-Based Probes with Visual Response to Vapors from Nitroaromatic Explosives: Polyfluorenes and Tertiary Amines. <i>Molecules</i> , 2022, 27, 2900.	1.7	9
153	Development and optimization of an HPLC-DAD method for quantification of six petroleum hydrocarbon compounds in aqueous samples. <i>Journal of Liquid Chromatography and Related Technologies</i> , 2016, 39, 837-846.	0.5	8
154	Self-assembled systems of water soluble metal 8-hydroxyquinolates with surfactants and conjugated polyelectrolytes. <i>Physical Chemistry Chemical Physics</i> , 2016, 18, 16629-16640.	1.3	8
155	Molecular Dynamics Insights for Screening the Ability of Polymers to Remove Pesticides from Water. <i>ChemistryOpen</i> , 2019, 8, 438-446.	0.9	8
156	Photophysics and drug delivery behavior of methylene blue into Arabic-gum based hydrogel matrices. <i>Materials Today Communications</i> , 2021, 26, 101889.	0.9	8
157	Enhancing Lignin Dissolution and Extraction: The Effect of Surfactants. <i>Polymers</i> , 2021, 13, 714.	2.0	8
158	On the transport and dynamics of disaccharides: H-bonding effect in sucrose and sucralose. <i>Journal of Molecular Liquids</i> , 2022, 345, 117855.	2.3	8
159	Transport properties of aqueous solutions of calcium lactate in the absence and presence of $\beta$ -cyclodextrin. <i>Journal of Molecular Liquids</i> , 2011, 161, 125-131.	2.3	7
160	DNA-poly(vinyl alcohol) gel matrices: Release properties are strongly dependent on electrolytes and cationic surfactants. <i>Colloids and Surfaces B: Biointerfaces</i> , 2013, 101, 111-117.	2.5	7
161	Fluorescence Enhancement of a Cationic Fluorene-Phenylene Conjugated Polyelectrolyte Induced by Nonionic <i>n</i> -Alkyl Polyoxyethylene Surfactants. <i>Langmuir</i> , 2017, 33, 13350-13363.	1.6	7
162	Novel Highly Luminescent Amine-Functionalized Bridged Silsesquioxanes. <i>Frontiers in Chemistry</i> , 2017, 5, 131.	1.8	7

#	ARTICLE	IF	CITATIONS
163	Ionic conductivities and diffusion coefficients of alkyl substituted sulfonated resorcinarenes in aqueous solutions. <i>Journal of Chemical Thermodynamics</i> , 2019, 133, 223-228.	1.0	7
164	Proton conducting electrolytes composed of chondroitin sulfate polysaccharide and citric acid. <i>European Polymer Journal</i> , 2020, 124, 109453.	2.6	7
165	Host-guest paracetamol/cyclodextrin complex formation evaluated from coupled diffusion measurements. <i>Journal of Chemical Thermodynamics</i> , 2021, 161, 106551.	1.0	7
166	On the Development of Phenol-Formaldehyde Resins Using a New Type of Lignin Extracted from Pine Wood with a Levulinic-Acid Based Solvent. <i>Molecules</i> , 2022, 27, 2825.	1.7	7
167	A capillary cell for measuring diffusion coefficients of electrolyte solutions in polymers. <i>Polymer Degradation and Stability</i> , 1994, 44, 147-150.	2.7	6
168	Diffusion of electrolytes in hydrolyzable glassy polymers: Acetic acid in poly(vinyl acetate), poly(vinyl Tj ETQq0 0 0 rgBT /Overlock 10 Tf	1.3	6
169	Interactions between copper(II) dibrominated salen complex and copolymeric micelles of P-123 and F-127. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2017, 532, 583-591.	2.3	6
170	Adsorption of phenol on silica aerogels using a stirred tank and a fixed bed column. <i>Ciência &amp; Tecnologia Dos Materiais</i> , 2017, 29, e229-e233.	0.5	6
171	Effects of Charge Density on Photophysics and Aggregation Behavior of Anionic Fluorene-Arylene Conjugated Polyelectrolytes. <i>Polymers</i> , 2018, 10, 258.	2.0	6
172	Effect of Eu(III) and Tb(III) chloride on the gelification behavior of poly(sodium acrylate). <i>Journal of Molecular Liquids</i> , 2018, 264, 205-214.	2.3	6
173	PVA cryogel membranes as a promising tool for the retention and separation of metal ions from aqueous solutions. <i>Journal of Applied Polymer Science</i> , 2010, 118, 1567-1573.	1.3	5
174	Diffusion coefficients of bolaform alkane-1,n-bis(trimethylammonium bromide) surfactants. <i>Journal of Chemical Thermodynamics</i> , 2012, 50, 89-93.	1.0	5
175	Aggregation of Cyclodextrins: Fundamental Issues and Applications. , 2018, , .		5
176	Luminescent Properties of Lanthanoid-Poly(Sodium Acrylate) Composites: Insights on the Interaction Mechanism. <i>Polymers</i> , 2020, 12, 1314.	2.0	5
177	Interactions between glycyl-L-phenylalanine and $\beta$ -cyclodextrin from diffusion, spectroscopic and computational studies. <i>Journal of Molecular Liquids</i> , 2020, 315, 113704.	2.3	5
178	Effect of Hofmeister Ions on Transport Properties of Aqueous Solutions of Sodium Hyaluronate. <i>International Journal of Molecular Sciences</i> , 2021, 22, 1932.	1.8	5
179	Transport properties of aqueous solutions of the oncologic drug 5-fluorouracil: A fundamental complement to therapeutics. <i>Journal of Chemical Thermodynamics</i> , 2021, 161, 106533.	1.0	5
180	Enhanced water absorption of tissue paper by cross-linking cellulose with poly(vinyl alcohol). <i>Chemical Papers</i> , 2022, 76, 4497-4507.	1.0	5

#	ARTICLE	IF	CITATIONS
181	Chromogenic Anticounterfeit and Security Papers: An Easy and Effective Approach. ACS Applied Materials & Interfaces, 2021, 13, 60454-60461.	4.0	5
182	Diffusion Coefficients of Electrolyte Solutions in Polymers. International Journal of Polymeric Materials and Polymeric Biomaterials, 1994, 25, 139-142.	1.8	4
183	Effects of pH and temperature on the sorption of sodium dodecyl sulfate by cellulose acetate/polyaniline blend membranes. Journal of Applied Polymer Science, 2009, 111, 1947-1953.	1.3	4
184	Interactions of cobalt chloride with saccharose in aqueous solutions at 298.15K. Electrochimica Acta, 2010, 55, 4483-4487.	2.6	4
185	Application of cellulose sulfoacetate obtained from sugarcane bagasse as an additive in mortars. Journal of Applied Polymer Science, 2012, 124, 510-517.	1.3	4
186	Limiting diffusion coefficients of sodium octanoate, and octanoic acid in aqueous solutions without and with $\beta$ -cyclodextrin. Journal of Chemical Thermodynamics, 2016, 94, 234-237.	1.0	4
187	Thermo- and pH-Responsive Gelatin/Polyphenolic Tannin/Graphene Oxide Hydrogels for Efficient Methylene Blue Delivery. Molecules, 2021, 26, 4529.	1.7	4
188	Dependence of Viscosity and Diffusion on $\beta$ -Cyclodextrin and Chloroquine Diphosphate Interactions. Processes, 2021, 9, 1433.	1.3	4
189	Solar spectral management with electrochromic devices including PMMA films doped with biluminescent ionosilicas. Journal of Sol-Gel Science and Technology, 2022, 101, 58-70.	1.1	4
190	Diffusion Behaviour of Trivalent Metal Ions in Aqueous Solutions. Chemistry and Chemical Technology, 2011, 5, 133-138.	0.2	4
191	A New Schiff Base Organically Modified Silica Aerogel-Like Material for Metal Ion Adsorption with Ni Selectivity. Adsorption Science and Technology, 2022, 2022, .	1.5	4
192	Diffusion of Vanadium Ions in Artificial Saliva and Its Elimination from the Oral Cavity by Pharmacological Compounds Present in Mouthwashes. Biomolecules, 2022, 12, 947.	1.8	4
193	Cellulose acetate-poly{[9,9-bis(6- $\beta$ -N,N,N-trimethylammonium)hexyl]fluorene-phenylene} bromide blends: Preparation, characterization and transport properties. Reactive and Functional Polymers, 2012, 72, 420-426.	2.0	3
194	Transport properties of ephedrine hydrochloride through poly(vinyl alcohol) matrices—a simple method for enantiomeric differentiation. Colloid and Polymer Science, 2014, 292, 1665-1673.	1.0	3
195	Binding of divalent and higher valent metal ions to surfactants and polyelectrolytes. Current Opinion in Colloid and Interface Science, 2017, 32, 76-83.	3.4	3
196	A comparative study between the behavior diffusion of $\beta$ -aminobutyric acid and $\gamma$ -aminobutyric acid in sodium chloride aqueous solutions. Journal of Molecular Liquids, 2019, 291, 111289.	2.3	3
197	Limiting diffusion coefficients of glufosinate ammonium, cymoxanil and imidacloprid in aqueous solutions. Journal of Molecular Liquids, 2019, 293, 111459.	2.3	3
198	Non-Newtonian Nanofluids: Non-Newtonian Thermosensitive Nanofluid Based on Carbon Dots Functionalized with Ionic Liquids (Small 28/2020). Small, 2020, 16, 2070156.	5.2	3

#	ARTICLE	IF	CITATIONS
199	Ligands as copper and nickel ionophores: Applications and implications on wastewater treatment. <i>Advances in Colloid and Interface Science</i> , 2021, 289, 102364.	7.0	3
200	Effect of sodium chloride on the behaviour of the lactose in aqueous solution studied from diffusion experiments and molecular dynamics simulations. <i>Journal of Chemical Thermodynamics</i> , 2021, 155, 106370.	1.0	3
201	Synergetic effect of cationic starch (ether/ester) and Pluronics for improving inkjet printing quality of office papers. <i>Cellulose</i> , 2021, 28, 10609.	2.4	3
202	Transport and photophysical studies on porphyrin-containing sulfonated poly(etheretherketone) composite membranes. <i>Materials Today Communications</i> , 2021, 29, 102781.	0.9	3
203	Effect of Cobalt and Chromium Ions on the Chlorhexidine Digluconate as Seen by Intermolecular Diffusion. <i>International Journal of Molecular Sciences</i> , 2021, 22, 13266.	1.8	3
204	Uncommon temperature effect on the interaction between levodopa and $\beta$ -cyclodextrin seen by diffusometry and NMR spectroscopy. <i>Journal of Chemical Thermodynamics</i> , 2017, 112, 314-320.	1.0	2
205	Diffusion and conductance properties of aqueous solutions of tetrasodium 5,11,17,23-tetrakisulfonatemetileno-2,8,14,20-tetra(2-(methylthio)ethyl)resorcinarene. <i>Journal of Molecular Liquids</i> , 2019, 276, 897-901.	2.3	2
206	Coupled mutual diffusion in aqueous paracetamol + sodium hydroxide solutions. <i>Journal of Molecular Liquids</i> , 2021, 334, 116216.	2.3	2
207	(3 S, 4 S) -substituted 3,4-dihydropyrrolidines as ligands for the enantioselective Henry reaction. <i>Applied Organometallic Chemistry</i> , 2021, 35, e6175.	1.7	2
208	A New Approach on the Amino Acid Lysine Quantification by UV-Visible Spectrophotometry. <i>Revista De Chimie (discontinued)</i> , 2020, 71, 159-175.	0.2	2
209	The role of polymeric chains as a protective environment for improving the stability and efficiency of fluorogenic peptide substrates. <i>Scientific Reports</i> , 2022, 12, .	1.6	2
210	Insights into Gum Arabic interactions with cellulose: Strengthening effects on tissue paper. <i>Materials Today Communications</i> , 2022, 31, 103706.	0.9	2
211	Complexation of 5-Fluorouracil with $\beta$ -Cyclodextrin and Sodium Dodecyl Sulfate: A Useful Tool for Encapsulating and Removing This Polluting Drug. <i>Toxics</i> , 2022, 10, 300.	1.6	2
212	Sorption of Sodium Dodecyl Sulfate by Polyaniline-Cellulose Acetate Blends: Equilibrium and Kinetic Studies. <i>Materials Science Forum</i> , 2006, 514-516, 905-909.	0.3	1
213	Diffusion of Electrolytes and Non-electrolytes in Aqueous Solutions. , 2013, , 35-47.		1
214	Drug release mechanisms of chemically cross-linked albumin microparticles: Effect of the matrix erosion. <i>Journal of Controlled Release</i> , 2015, 213, e8.	4.8	1
215	DNA-Based Hydrogels: An Approach for Multifunctional Bioapplications. <i>Gels Horizons: From Science To Smart Materials</i> , 2018, , 339-356.	0.3	1
216	Do the solvent properties affect the propensity for self-association of $\beta$ -cyclodextrin? Insights from NMR self-diffusion. <i>Journal of Molecular Liquids</i> , 2019, 295, 111869.	2.3	1

#	ARTICLE	IF	CITATIONS
217	Application of a polyelectrolyte complex based on biocompatible polysaccharides for colorectal cancer inhibition. Carbohydrate Research, 2021, 499, 108194.	1.1	1
218	Outstanding Features of Starch-based Hydrogel Nanocomposites. RSC Green Chemistry, 2015, , 236-262.	0.0	1
219	Limiting Diffusion Coefficients of Bovine Serum Albumin in Aqueous Solutions of Sulfonated Resorcinarenes. , 2020, , 1-13.		1
220	Release of Vitamin B12 and Diclofenac Potassium from N,N-dimethylacrylamide-modified Arabic Gum Hydrogels - the Partition-Diffusion Model. Journal of the Brazilian Chemical Society, 2014, , .	0.6	1
221	Interactions between Bio-Based Compounds and Cyclodextrins. , 2018, , .		0
222	Theoretical Values of Diffusion Coefficients of Electrolytes in Aqueous Solutions: Important Parameters with Application in Fundamental and Technological Areas. , 2021, , 327-417.		0
223	Pesticides and Their Environment and Health Impact: An Approach to Remediation Using Hydrogels. , 2021, , 447-472.		0
224	Photodynamic Therapy: Use of Nanocarrier Systems to Improve Its Effectiveness. Engineering Materials, 2021, , 289-316.	0.3	0
225	Microalgae Immobilization and Use in Bioremediation. , 2021, , 122-141.		0
226	Potentiometric Study on the Interactions between Divalent Cations and Sodium Carboxylates in Aqueous Solution. , 2013, , 23-33.		0
227	Diffusion of electrolytes and Non-electrolytes in A Useful Strategy for Structural Interpretation of Chemical Systems. , 2013, , .		0
228	Pre-Treatment of Rusted Steel Surfaces with Phosphoric Acid Solutions. , 2020, , 255-268.		0