Epameinondas Leontidis

List of Publications by Year in descending order

61 papers	2,417 citations	186209 28 h-index	197736 49 g-index
64 all docs	64 docs citations	64 times ranked	2551 citing authors

#	Article	IF	Citations
1	Hofmeister anion effects on surfactant self-assembly and the formation of mesoporous solids. Current Opinion in Colloid and Interface Science, 2002, 7, 81-91.	3.4	373
2	Effects of Hofmeister Anions on DPPC Langmuir Monolayers at the Airâˆ'Water Interface. Journal of Physical Chemistry B, 2004, 108, 15238-15245.	1.2	147
3	Amino acids in AOT reversed micelles. 1. Determination of interfacial partition coefficients using the phase-transfer method. The Journal of Physical Chemistry, 1990, 94, 6400-6411.	2.9	128
4	Specific ion effects in electrical double layers: selective solubilization of cations in Aerosol-OT reversed micelles. Langmuir, 1989, 5, 741-753.	1.6	111
5	Amino acids in AOT reversed micelles. 2. The hydrophobic effect and hydrogen bonding as driving forces for interfacial solubilization. The Journal of Physical Chemistry, 1990, 94, 6411-6420.	2.9	98
6	Gold Colloids from Cationic Surfactant Solutions. 1. Mechanisms That Control Particle Morphology. Langmuir, 2002, 18, 3659-3668.	1.6	95
7	Effects of Monovalent Anions of the Hofmeister Series on DPPC Lipid Bilayers Part I: Swelling and In-Plane Equations of State. Biophysical Journal, 2007, 93, 1580-1590.	0.2	92
8	Composite Nanotubes Formed by Self-Assembly of PbS Nanoparticles. Nano Letters, 2003, 3, 569-572.	4.5	87
9	Effects of Monovalent Anions of the Hofmeister Series on DPPC Lipid Bilayers Part II: Modeling the Perpendicular and Lateral Equation-of-State. Biophysical Journal, 2007, 93, 1591-1607.	0.2	64
10	Amino acids in reversed micelles. 3. Dependence of the interfacial partition coefficient on excess phase salinity and interfacial curvature. The Journal of Physical Chemistry, 1991, 95, 5943-5956.	2.9	61
11	Attraction of Iodide Ions by the Free Water Surface, Revealed by Simulations with a Polarizable Force Field Based on Drude Oscillators. Journal of Physical Chemistry B, 2005, 109, 17957-17966.	1.2	59
12	Liquid Expanded Monolayers of Lipids As Model Systems to Understand the Anionic Hofmeister Series: 1. A Tale of Models. Journal of Physical Chemistry B, 2009, 113, 1447-1459.	1.2	59
13	A critical evaluation of novel algorithms for the off-lattice Monte Carlo simulation of condensed polymer phases. Advances in Polymer Science, 1994, , 283-318.	0.4	53
14	Liquid Expanded Monolayers of Lipids As Model Systems to Understand the Anionic Hofmeister Series: 2. Ion Partitioning Is Mostly a Matter of Size. Journal of Physical Chemistry B, 2009, 113, 1460-1467.	1.2	52
15	Amino acids in reversed micelles. 4. Amino acids as cosurfactants. The Journal of Physical Chemistry, 1991, 95, 5957-5965.	2.9	51
16	Amphiphilic Polymer Conetworks Based on End-Linked â€œCore-Firstâ€• Star Block Copolymers: Structure Formation with Long-Range Order. ACS Macro Letters, 2015, 4, 1163-1168.	2.3	50
17	Monolayers, bilayers and micelles of zwitterionic lipids as model systems for the study of specific anion effects. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2007, 303, 144-158.	2.3	49
18	Monte Carlo algorithms for the atomistic simulation of condensed polymer phases. Journal of the Chemical Society, Faraday Transactions, 1995, 91, 2355.	1.7	48

#	Article	IF	Citations
19	Investigations of the Hofmeister series and other specific ion effects using lipid model systems. Advances in Colloid and Interface Science, 2017, 243, 8-22.	7.0	47
20	Vibrational Sum Frequency Generation Spectroscopic Investigation of the Interaction of Thiocyanate Ions with Zwitterionic Phospholipid Monolayers at the Airâˆ'Water Interface. Journal of Physical Chemistry B, 2009, 113, 14816-14823.	1.2	43
21	Chaotropic salts interacting with soft matter: Beyond the lyotropic series. Current Opinion in Colloid and Interface Science, 2016, 23, 100-109.	3.4	43
22	Can we use area per surfactant as a quantitative test model of specific ion effects?. Current Opinion in Colloid and Interface Science, 2004, 9, 74-80.	3.4	41
23	The Mechanism of Spectral Shift and Inhomogeneous Broadening of an Aromatic Chromophore in a Polymer Glass. Journal of the American Chemical Society, 1995, 117, 7493-7507.	6.6	36
24	From Colloidal Aggregates to Layered Nanosized Structures in Polymerâˆ'Surfactant Systems. 1. Basic Phenomena. Journal of Physical Chemistry B, 2001, 105, 4133-4144.	1.2	35
25	Dissecting the stabilization of iodide at the airâ€"water interface into components: A free energy analysis. Chemical Physics Letters, 2006, 420, 199-203.	1.2	35
26	Double Networks Based on Amphiphilic Cross-Linked Star Block Copolymer First Conetworks and Randomly Cross-Linked Hydrophilic Second Networks. Macromolecules, 2016, 49, 1731-1742.	2.2	34
27	Controlled production of ZnO nanoparticles from zinc glycerolate in a solâ€"gel silica matrix. Journal of Colloid and Interface Science, 2006, 302, 246-253.	5.0	32
28	The ionâ€"lipid battle for hydration water and interfacial sites at soft-matter interfaces. Current Opinion in Colloid and Interface Science, 2014, 19, 2-8.	3.4	32
29	Effects of Sodium Salts of Lyotropic Anions on Low-Temperature, Ordered Lipid Monolayers. Journal of Physical Chemistry B, 2012, 116, 14602-14612.	1.2	28
30	Synthesis and characterization of reversible and selfâ€healable networks based on acylhydrazone groups. Polymer International, 2014, 63, 1558-1565.	1.6	28
31	Bound states in a nonlinear Kronig - Penney model. Journal of Physics A, 1997, 30, 4835-4849.	1.6	24
32	From Beads-on-a-String to Colloidal Aggregation:Â Novel Crystallization Phenomena in the PEOâˆ'SDS System. Langmuir, 1999, 15, 3381-3385.	1.6	24
33	Study of Copper Sulfide Crystallization in PEOâˆ'SDS Solutions. Langmuir, 2004, 20, 5605-5612.	1.6	22
34	Simple and Accurate Computations of Solvatochromic Shifts in Ï€ â†' Ï€* Transitions of Aromatic Chromophores. Journal of the American Chemical Society, 2001, 123, 11229-11236.	6.6	21
35	Effects of average molecular charge on amino acid interfacial partitioning in reversed micelles. Journal of Colloid and Interface Science, 1991, 147, 163-177.	5.0	19
36	Specific Interactions of Sodium Salts with Alanine Dipeptide and Tetrapeptide in Water: Insights from Molecular Dynamics. Journal of Physical Chemistry B, 2011, 115, 13389-13400.	1.2	19

#	Article	IF	Citations
37	Stabilization of Lead Sulfide Nanoparticles by Polyamines in Aqueous Solutions. A Structural Study of the Dispersions. Langmuir, 2010, 26, 16909-16920.	1.6	18
38	Normal and defective perylene substitution sites in alkane crystals. Journal of Chemical Physics, 2001, 114, 3224-3235.	1.2	15
39	Influence of Nanoreactor Environment and Substrate Location on the Activity of Horseradish Peroxidase in Olive Oil Based Water-in-Oil Microemulsions. Langmuir, 2011, 27, 2692-2700.	1.6	15
40	Monte Carlo methodologies for enhanced configurational sampling of dense systems: motion of a spherical solute in a polymer melt as a model problem. Molecular Physics, 1994, 83, 489-518.	0.8	12
41	The Shpolâ€™skii system perylene in n-hexane: A computational study of inclusion sites. Journal of Chemical Physics, 2000, 112, 1995-2002.	1.2	10
42	Bis(hydroxylamino)triazines: High Selectivity and Hydrolytic Stability of Hydroxylamine-Based Ligands for Uranyl Compared to Vanadium(V) and Iron(III). Inorganic Chemistry, 2018, 57, 7631-7643.	1.9	10
43	Speed selection mechanism for propagating fronts in reaction-diffusion systems with multiple fields. Physical Review E, 2002, 65, 026122.	0.8	9
44	A normalâ€mode study of a polymer glass containing a chromophore impurity. Journal of Chemical Physics, 1996, 104, 2401-2409.	1.2	8
45	Emergence of approximate translation invariance in finite intervals as a speed selection mechanism for propagating fronts. Physical Review E, 2000, 62, 7802-7806.	0.8	8
46	Helix Formation by Alanine-Based Peptides in Pure Water and Electrolyte Solutions: Insights from Molecular Dynamics Simulations. Journal of Physical Chemistry B, 2013, 117, 9866-9876.	1.2	8
47	Semi-Interpenetrating Polymer Networks with Predefined Architecture for Metal Ion Fluorescence Monitoring. Polymers, 2016, 8, 411.	2.0	7
48	Organized Silica Films Generated by Evaporation-Induced Self-Assembly as Hosts for Iron Oxide Nanoparticles. Materials, 2013, 6, 1467-1484.	1.3	6
49	SnO2/PbOx (x = 1, 2) Coreâ€“Shell Nanowires and Their Growth on C-Fiber Networks for Energy Storage. Journal of Physical Chemistry C, 2018, 122, 25813-25821.	1.5	6
50	NMR Investigation of the Interaction of Vanadate with Carbasilatranes in Aqueous Solutions. Inorganic Chemistry, 2005, 44, 7511-7522.	1.9	5
51	Monolayer properties of surface-active metalorganic complexes with a tunable headgroup. Journal of Colloid and Interface Science, 2008, 317, 544-555.	5.0	5
52	Sn:In₂O₃ and Sn:In₂O₃/NiS₂ Coreâ€“Shell Nanowires on Ni, Mo Foils and C Fibers for H₂ and O₂ Generation. Journal of Physical Chemistry C, 2017, 121, 27839-27848.	1.5	5
53	Formation mechanism of nanotubes comprising layers of PbS nanoparticles in polymerâ€“surfactant solutions. Journal of Colloid and Interface Science, 2006, 302, 170-177.	5.0	4
54	Surprising effects of polymer-surfactant solutions on inorganic crystallization processes. , 2001, , 57-62.		3

#	Article	IF	Citations
55	Towards the systematic design of multilayer O/W emulsions with tannic acid as an interfacial antioxidant. RSC Advances, 2021, 11, 23616-23626.	1.7	3
56	Simultaneous Determination of the Ionization Constant and the Solubility of Sparingly Soluble Drug Substances. A Physical Chemistry Experiment. Journal of Chemical Education, 2001, 78, 786.	1.1	2
57	Optical properties of polyelectrolyte quantum dot multilayer films prepared using the layer by layer self-assembly method. Journal of Applied Physics, 2008, 103, 083511.	1.1	2
58	Binding of lanthanide salts to zwitterionic phospholipid micelles. Journal of Colloid and Interface Science, 2019, 557, 568-579.	5.0	2
59	Phospholipid Aggregates as Model Systems to Understand Ion-Specific Effects: Experiments and Models. , 2009, , 55-84.		1
60	Magnetic-field inversion in vortices in multilayers. Physical Review B, 1997, 56, 14143-14148.	1.1	0
61	The influence of lanthanide-(III)-nitrates on adsorbed monolayers of dodecylphosphorylcholine at the air-water interface. Journal of Colloid and Interface Science, 2019, 548, 217-223.	5.0	0