Peter Westh

List of Publications by Year
in descending order

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194	6,489	61857	106150
papers	citations	43 h-index	65 g-index

200	200	200	5815
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Mixing Schemes in Ionic Liquidâ˜H2O Systems:Â A Thermodynamic Study. Journal of Physical Chemistry B, 2004, 108, 19451-19457.	1.2	191
2	Effect of an â€œIonic Liquidâ€•Cation, 1-Butyl-3-methylimidazolium, on the Molecular Organization of H2O. Journal of Physical Chemistry B, 2005, 109, 9014-9019.	1.2	133
3	The Role of Decorated SDS Micelles in Sub-CMC Protein Denaturation and Association. Journal of Molecular Biology, 2009, 391, 207-226.	2.0	130
4	Thermochemistry of the specific binding of C12 surfactants to bovine serum albumin. BBA - Proteins and Proteomics, 2000, 1479, 321-331.	2.1	127
5	Reconciliation of opposing views on membraneâ€“sugar interactions. Proceedings of the National Academy of Sciences of the United States of America, 2011, 108, 1874-1878.	3.3	126
6	The effect of calcium on the properties of charged phospholipid bilayers. Biochimica Et Biophysica Acta - Biomembranes, 2006, 1758, 573-582.	1.4	123
7	Unfolding of Î²-Sheet Proteins in SDS. Biophysical Journal, 2007, 92, 3674-3685.	0.2	116
8	Sabatier Principle for Interfacial (Heterogeneous) Enzyme Catalysis. ACS Catalysis, 2018, 8, 11966-11972.	5.5	116
9	Î±-Lactalbumin is unfolded by all classes of surfactants but by different mechanisms. Journal of Colloid and Interface Science, 2009, 329, 273-283.	5.0	105
10	An Inverse Michaelisâ€“Menten Approach for Interfacial Enzyme Kinetics. ACS Catalysis, 2017, 7, 4904-4914.	5.5	102
11	Pre-steady-state Kinetics for Hydrolysis of Insoluble Cellulose by Cellobiohydrolase Cel7A. Journal of Biological Chemistry, 2012, 287, 18451-18458.	1.6	100
12	Excess partial molar enthalpies, entropies, Gibbs energies, and volumes in aqueous dimethylsulfoxide. Journal of Solution Chemistry, 1995, 24, 89-102.	0.6	96
13	Influence of Ethanol on Lipid Membranes:â€‰ From Lateral Pressure Profiles to Dynamics and Partitioning. Journal of Physical Chemistry B, 2008, 112, 4131-4139.	1.2	94
14	Cryptobiosis in the Eutardigrade Adorybiotus (Richtersius) coronifer: Tolerance to Alcohols, Temperature and de novo Protein Synthesis. Zoologischer Anzeiger, 2001, 240, 517-523.	0.4	92
15	A kinetic model for the burst phase of processive cellulases. FEBS Journal, 2011, 278, 1547-1560.	2.2	86
16	Product inhibition of five Hypocrea jecorina cellulases. Enzyme and Microbial Technology, 2013, 52, 163-169.	1.6	85
17	A Thermodynamic Study of the Effects of Cholesterol on the Interaction between Liposomes and Ethanol. Biophysical Journal, 2000, 78, 2486-2492.	0.2	79
18	Analysis of proteinâ€“surfactant interactionsâ€”a titration calorimetric and fluorescence spectroscopic investigation of interactions between Humicola insolens cutinase and an anionic surfactant. Biochimica Et Biophysica Acta - Proteins and Proteomics, 2005, 1752, 124-132.	1.1	79

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19	Global Study of Myoglobinâ^'Surfactant Interactions. Langmuir, 2008, 24, 399-407.	1.6	78
20	Survival of the cryptobiotic eutardigrade Adorybiotus coronifer during cooling to â^'196 Â°C: Effect of cooling rate, trehalose level, and short-term acclimation. Cryobiology, 1992, 29, 125-130.	0.3	76
21	A comparative study of hydrolysis and transglycosylation activities of fungal Î²-glucosidases. Applied Microbiology and Biotechnology, 2013, 97, 159-169.	1.7	73
22	Transient Kinetics and Rate-Limiting Steps for the Processive Cellobiohydrolase Cel7A: Effects of Substrate Structure and Carbohydrate Binding Domain. Biochemistry, 2013, 52, 8938-8948.	1.2	73
23	â€œIcebergsâ€•or No â€œIcebergsâ€•in Aqueous Alcohols?:â€‰ Composition-Dependent Mixing Schemes. Journal of Physical Chemistry A, 2004, 108, 3873-3877.	1.1	71
24	Title is missing!. Journal of Solution Chemistry, 1999, 28, 1137-1157.	0.6	69
25	Title is missing!. Journal of Solution Chemistry, 2001, 30, 1007-1028.	0.6	68
26	Excess partial molar enthalpies of alkane-mono-ols in aqueous solutions. Canadian Journal of Chemistry, 1996, 74, 713-721.	0.6	66
27	Effects of PEG size on structure, function and stability of PEGylated BSA. European Journal of Pharmaceutics and Biopharmaceutics, 2011, 79, 399-405.	2.0	66
28	Binding of Serotonin to Lipid Membranes. Journal of the American Chemical Society, 2013, 135, 2164-2171.	6.6	65
29	Hydroxypropyl-Substituted Î²-Cyclodextrins: Influence of Degree of Substitution on the Thermodynamics of Complexation with Tauroconjugated and Glycoconjugated Bile Salts. Langmuir, 2010, 26, 17949-17957.	1.6	63
30	The synergy between LPMOs and cellulases in enzymatic saccharification of cellulose is both enzyme- and substrate-dependent. Biotechnology Letters, 2020, 42, 1975-1984.	1.1	63
31	Kinetics of Cellobiohydrolase (Cel7A) Variants with Lowered Substrate Affinity. Journal of Biological Chemistry, 2014, 289, 32459-32468.	1.6	58
32	Toward Understanding the Hofmeister Series. 3. Effects of Sodium Halides on the Molecular Organization of H2O As Probed by 1-Propanol. Journal of Physical Chemistry A, 2006, 110, 2072-2078.	1.1	54
33	Comparative Biochemistry of Four Polyester (PET) Hydrolases**. ChemBioChem, 2021, 22, 1627-1637.	1.3	54
34	Packing properties of 1-alkanols and alkanes in a phospholipid membrane. Biophysical Chemistry, 2006, 119, 61-68.	1.5	53
35	Origin of Initial Burst in Activity for Trichoderma reesei endo-Glucanases Hydrolyzing Insoluble Cellulose. Journal of Biological Chemistry, 2012, 287, 1252-1260.	1.6	53
36	Temperature Effects on Kinetic Parameters and Substrate Affinity of Cel7A Cellobiohydrolases. Journal of Biological Chemistry, 2015, 290, 22193-22202.	1.6	53

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37	Unilamellar DMPC Vesicles in Aqueous Glycerol: Preferential Interactions and Thermochemistry. Biophysical Journal, 2003, 84, 341-349.	0.2	52
38	Methylated Î²-Cyclodextrins: Influence of Degree and Pattern of Substitution on the Thermodynamics of Complexation with Tauro- and Glyco-Conjugated Bile Salts. Langmuir, 2011, 27, 5832-5841.	1.6	51
39	A comparative study of activity and apparent inhibition of fungal Î²â€glucosidases. Biotechnology and Bioengineering, 2010, 107, 943-952.	1.7	50
40	A steadyâ€state theory for processive cellulases. FEBS Journal, 2013, 280, 3952-3961.	2.2	50
41	Xylan oligosaccharides and cellobiohydrolase I (TrCel7A) interaction and effect on activity. Biotechnology for Biofuels, 2011, 4, 45.	6.2	48
42	Chemical potential and concentration fluctuation in some aqueous alkane-mono-ols at 25oC. Canadian Journal of Chemistry, 2003, 81, 141-149.	0.6	46
43	Role of electrostatic repulsion on colloidal stability of Bacillus halmapalus alpha-amylase. Biochimica Et Biophysica Acta - Proteins and Proteomics, 2009, 1794, 1058-1065.	1.1	45
44	Dual roles of glucose in the freeze-tolerant earthwormDendrobaena octaedra: cryoprotection and fuel for metabolism. Journal of Experimental Biology, 2009, 212, 859-866.	0.8	44
45	Is a Methyl Group Always Hydrophobic? Hydrophilicity of Trimethylamine-N-oxide, Tetramethyl Urea and Tetramethylammonium Ion. Journal of Physical Chemistry B, 2011, 115, 2995-3002.	1.2	44
46	Cyclomorphosis in Tardigrada: adaptation to environmental constraints. Journal of Experimental Biology, 2009, 212, 2803-2811.	0.8	42
47	Association of ethanol with lipid membranes containing cholesterol, sphingomyelin and ganglioside: a titration calorimetry study. Biochimica Et Biophysica Acta - Biomembranes, 1999, 1420, 179-188.	1.4	41
48	A proposed mechanism for the thermal denaturation of a recombinant Bacillus halmapalus Î±-amylaseâ€"the effect of calcium ions. Biochimica Et Biophysica Acta - Proteins and Proteomics, 2003, 1652, 52-63.	1.1	41
49	Affinity of Four Polar Neurotransmitters for Lipid Bilayer Membranes. Journal of Physical Chemistry B, 2011, 115, 196-203.	1.2	40
50	An amperometric enzyme biosensor for realâ€time measurements of cellobiohydrolase activity on insoluble cellulose. Biotechnology and Bioengineering, 2012, 109, 3199-3204.	1.7	40
51	Systematic deletions in the cellobiohydrolase (CBH) Cel7A from the fungus Trichoderma reesei reveal flexible loops critical for CBH activity. Journal of Biological Chemistry, 2019, 294, 1807-1815.	1.6	40
52	Interrelationships of Glycosylation and Aggregation Kinetics for Peniophora lycii Phytase. Biochemistry, 2006, 45, 5057-5066.	1.2	39
53	Thermodynamics and structure of inclusion compounds of tauro- and glyco-conjugated bile salts and Î²-cyclodextrin. Physical Chemistry Chemical Physics, 2009, 11, 5070.	1.3	38
54	Determination of thermodynamic potentials and the aggregation number for micelles with the mass-action model by isothermal titration calorimetry: A case study on bile salts. Journal of Colloid and Interface Science, 2015, 453, 79-89.	5.0	37

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55	Correlation of structure, function and protein dynamics in GH7 cellobiohydrolases from Trichoderma atroviride, T. reesei and T. harzianum. Biotechnology for Biofuels, 2018, 11, 5.	6.2	37
56	Toward Understanding the Hofmeister Series. 1. Effects of Sodium Salts of Some Anions on the Molecular Organization of H2O. Journal of Physical Chemistry A, 2004, 108, 8533-8541.	1.1	36
57	Probing Substrate Interactions in the Active Tunnel of a Catalytically Deficient Cellobiohydrolase (Cel7). Journal of Biological Chemistry, 2015, 290, 2444-2454.	1.6	36
58	Michaelisâ€“Menten equation for degradation of insoluble substrate. Mathematical Biosciences, 2018, 296, 93-97.	0.9	36
59	Intermolecular Interactions of Lysozyme and Small Alcohols:Â A Calorimetric Investigation. Journal of Physical Chemistry B, 1997, 101, 5755-5758.	1.2	35
60	A suspension-based assay and comparative detection methods for characterization of polyethylene terephthalate hydrolases. Analytical Biochemistry, 2020, 607, 113873.	1.1	35
61	Glucose, sucrose and trehalose are partially excluded from the interface of hydrated DMPC bilayers. Physical Chemistry Chemical Physics, 2008, 10, 4110.	1.3	34
62	Effects of non-ionic surfactants on the interactions between cellulases and tannic acid: A model system for cellulaseâ€“poly-phenol interactions. Enzyme and Microbial Technology, 2011, 49, 353-359.	1.6	34
63	Interactions ofHumicola insolensCutinase with an Anionic Surfactant Studied by Small-Angle Neutron Scattering and Isothermal Titration Calorimetry. Langmuir, 2005, 21, 4299-4307.	1.6	33
64	Effect of calcium ions on the irreversible denaturation of a recombinant Bacillus halmapalus alpha-amylase: a calorimetric investigation. Biochemical Journal, 2003, 373, 337-343.	1.7	32
65	Molecular packing in 1-hexanolâ€“DMPC bilayers studied by molecular dynamics simulation. Biophysical Chemistry, 2007, 125, 104-111.	1.5	32
66	Effect of cyclodextrin concentration on the oral bioavailability of danazol and cinnarizine in rats. European Journal of Pharmaceutics and Biopharmaceutics, 2016, 101, 9-14.	2.0	32
67	A thermodynamic analysis of fibrillar polymorphism. Biophysical Chemistry, 2010, 149, 40-46.	1.5	31
68	A calorimetric assay for enzymatic saccharification of biomass. Enzyme and Microbial Technology, 2010, 46, 141-146.	1.6	31
69	Inter-domain Synergism Is Required for Efficient Feeding of Cellulose Chain into Active Site of Cellobiohydrolase Cel7A. Journal of Biological Chemistry, 2016, 291, 26013-26023.	1.6	31
70	Thermodynamics of alcoholâ€“lipid bilayer interactions: application of a binding model. Biochimica Et Biophysica Acta - Biomembranes, 1999, 1421, 261-272.	1.4	30
71	Isothermal titration calorimetric procedure to determine proteinâ€“metal ion binding parameters in the presence of excess metal ion or chelator. Analytical Biochemistry, 2003, 314, 227-234.	1.1	30
72	Promoting and Impeding Effects of Lytic Polysaccharide Monooxygenases on Glycoside Hydrolase Activity. ACS Sustainable Chemistry and Engineering, 2020, 8, 14117-14126.	3.2	30

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73	Sabatier Principle for Rationalizing Enzymatic Hydrolysis of a Synthetic Polyester. Jacs Au, 2022, 2, 1223-1231.	3.6	30
74	Hydrophobicity vs Hydrophilicity:Â Effects of Poly(ethylene glycol) andtert-Butyl Alcohol on H2O as Probed by 1-Propanol. Journal of Physical Chemistry B, 2005, 109, 19536-19541.	1.2	29
75	Free Energy Diagram for the Heterogeneous Enzymatic Hydrolysis of Glycosidic Bonds in Cellulose. Journal of Biological Chemistry, 2015, 290, 22203-22211.	1.6	29
76	Rate of Threading a Cellulose Chain into the Binding Tunnel of a Cellulase. Journal of Physical Chemistry B, 2016, 120, 5591-5600.	1.2	29
77	Complexation of tauroâ€•and glycoâ€conjugated bile salts with three neutral Î²â€CDs studied by ACE. Electrophoresis, 2007, 28, 3745-3752.	1.3	28
78	Glycoprotein-surfactant interactions: A calorimetric and spectroscopic investigation of the phytase-SDS system. Biophysical Chemistry, 2007, 129, 251-258.	1.5	28
79	Interaction of neurotransmitters with a phospholipid bilayer: A molecular dynamics study. Chemistry and Physics of Lipids, 2014, 184, 7-17.	1.5	28
80	Lipophilic Contaminants Influence Cold Tolerance of Invertebrates through Changes in Cell Membrane Fluidity. Environmental Science & Technology, 2014, 48, 9797-9803.	4.6	28
81	Additive Effect of 1-Propanol and 2-Propanol on Molecular Organization of H2O in the Water-Rich Region: Excess Chemical Potential, Partial Molar Enthalpy and Volume of 1-Propanol in 1-Propanolâ€“2-Propanolâ€“H2O at 25 Â°C. Bulletin of the Chemical Society of Japan, 2001, 74, 809-816.	2.0	27
82	Preferential interaction of dimethyl sulfoxide and phosphatidyl choline membranes. Biochimica Et Biophysica Acta - Biomembranes, 2004, 1664, 217-223.	1.4	27
83	Relative Hydrophobicity/Hydrophilicity of Fructose, Glucose, Sucrose, and Trehalose as Probed by 1-Propanol:Â A Differential Approach in Solution Thermodynamics. Journal of Physical Chemistry B, 2007, 111, 13943-13948.	1.2	27
84	An enzymatic signal amplification system for calorimetric studies of cellobiohydrolases. Analytical Biochemistry, 2010, 404, 140-148.	1.1	27
85	Biophysical characterisation of GlycoPEGylated recombinant human factor VIIa. International Journal of Pharmaceutics, 2011, 406, 62-68.	2.6	27
86	Higher Order Inclusion Complexes and Secondary Interactions Studied by Global Analysis of Calorimetric Titrations. Analytical Chemistry, 2012, 84, 2305-2312.	3.2	27
87	Thermal Stability ofHumicola insolensCutinase in aqueous SDS. Journal of Physical Chemistry B, 2007, 111, 2941-2947.	1.2	26
88	The role of protonation in protein fibrillation. FEBS Letters, 2010, 584, 780-784.	1.3	26
89	A Calorimetric Investigation of the Interaction of Short Chain Alcohols with Unilamellar DMPC Liposomes. Journal of Physical Chemistry B, 1999, 103, 4751-4756.	1.2	25
90	The Effects of Chloride Salts of Some Cations on the Molecular Organization of H2O. Towards Understanding the Hofmeister Series. II. Bulletin of the Chemical Society of Japan, 2006, 79, 1347-1354.	2.0	25

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91	Kinetics of Enzymatic High-Solid Hydrolysis of Lignocellulosic Biomass Studied by Calorimetry. Applied Biochemistry and Biotechnology, 2011, 163, 626-635.	1.4	25
92	Advantages of isothermal titration calorimetry for xylanase kinetics in comparison to chemical-reducing-end assays. Analytical Biochemistry, 2011, 410, 19-26.	1.1	25
93	Normalized fluctuations, H2O vs nâ€hexane: Siteâ€correlated percolation. Journal of Chemical Physics, 1996, 105, 2028-2033.	1.2	24
94	Intermolecular Interactions intert-Butyl Alcoholâ^'Dimethyl Sulfoxideâ^'H2O:Â Chemical Potentials, Partial Molar Entropies and Volumes. Journal of Physical Chemistry B, 1998, 102, 5182-5195.	1.2	24
95	Mixing scheme of aqueous butan-1-ol in the water-rich region at 25Â°C: Excess chemical potential, partial molar enthalpy, entropy and volume, heat capacity compressibility and thermal expansivity. Physical Chemistry Chemical Physics, 2000, 2, 355-359.	1.3	24
96	Binding of small alcohols to a lipid bilayer membrane: does the partitioning coefficient express the net affinity?. Biophysical Chemistry, 2001, 89, 53-63.	1.5	24
97	Thermodynamic properties of water in the water-poor region of binary water + alcohol mixtures. Canadian Journal of Chemistry, 2005, 83, 420-429.	0.6	24
98	How Much Weaker Are the Effects of Cations than Those of Anions? The Effects of K⁺ and Cs⁺ on the Molecular Organization of Liquid H₂O. Journal of Physical Chemistry B, 2014, 118, 8744-8749.	1.2	24
99	Exoâ€exo synergy between Cel6A and Cel7A from Hypocrea jecorina: Role of carbohydrate binding module and the endoâ€lytic character of the enzymes. Biotechnology and Bioengineering, 2017, 114, 1639-1647.	1.7	24
100	Effect of alginate size, mannuronic/guluronic acid content and pH on particle size, thermodynamics and composition of complexes with Î²-lactoglobulin. Food Hydrocolloids, 2018, 75, 157-163.	5.6	24
101	Intermolecular Interactions in 2-Butoxyethanolâ^'DMSOâ^'H2Oâ€. The Journal of Physical Chemistry, 1996, 100, 433-438.	2.9	23
102	Thermodynamics of complexation of tauro- and glyco-conjugated bile salts with two modified Î²-cyclodextrins. Journal of Inclusion Phenomena and Macrocyclic Chemistry, 2011, 69, 201-211.	1.6	23
103	Determination of the aggregation number for micelles by isothermal titration calorimetry. Thermochimica Acta, 2014, 588, 28-37.	1.2	23
104	Rateâ€limiting step and substrate accessibility of cellobiohydrolase Cel6A from TrichodermaÂreesei. FEBS Journal, 2018, 285, 4482-4493.	2.2	23
105	Transition of the mixing scheme in the water-rich region of aqueous 2-butoxyethanol: heat capacities and their temperature derivatives. Chemical Physics Letters, 1994, 217, 245-248.	1.2	21
106	A thermodynamic study of aqueous acetonitrile: excess chemical potentials, partial molar enthalpies, entropies and volumes, and fluctuations. Canadian Journal of Chemistry, 2000, 78, 1553-1560.	0.6	21
107	Solute effects on the irreversible aggregation of serum albumin. Biophysical Chemistry, 2007, 130, 17-25.	1.5	21
108	Effects of Fatty Acid Inclusion in a DMPC Bilayer Membrane. Journal of Physical Chemistry B, 2009, 113, 92-102.	1.2	21

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109	Reversibility of Substrate Adsorption for the Cellulases Cel7A, Cel6A, and Cel7B from Hypocrea jecorina. Langmuir, 2014, 30, 12602-12609.	1.6	21
110	The Role of Product Inhibition as a Yield-Determining Factor in Enzymatic High-Solid Hydrolysis of Pretreated Corn Stover. Applied Biochemistry and Biotechnology, 2014, 174, 146-155.	1.4	21
111	Loop variants of the thermophile Rasamsonia emersonii Cel7A with improved activity against cellulose. Biotechnology and Bioengineering, 2017, 114, 53-62.	1.7	21
112	Physical constraints and functional plasticity of cellulases. Nature Communications, 2021, 12, 3847.	5.8	21
113	Adsorption of enzymes with hydrolytic activity on polyethylene terephthalate. Enzyme and Microbial Technology, 2021, 152, 109937.	1.6	21
114	Metabolic activity and water vapour absorption in the mealworm Tenebrio molitor L. (Coleoptera,) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 Biology, 2004, 207, 545-552.	0.8	20
115	Characterization of the complexation of tauro- and glyco-conjugated bile salts with Î³-cyclodextrin and 2-hydroxypropyl-Î³-cyclodextrin using affinity capillary electrophoresis. Journal of Inclusion Phenomena and Macrocyclic Chemistry, 2008, 61, 161-169.	1.6	20
116	Displacement of Drugs From Cyclodextrin Complexes by Bile Salts: AÂSuggestion of an Intestinal Drug-Solubilizing Capacity From anÂ InÂVitro Model. Journal of Pharmaceutical Sciences, 2016, 105, 2640-2647.	1.6	20
117	Excess partial molar entropy of alkane-mono-ols in aqueous solutions at 25Â°C. Canadian Journal of Chemistry, 2003, 81, 150-155.	0.6	19
118	A graphene screen-printed carbon electrode for real-time measurements of unoccupied active sites in a cellulase. Analytical Biochemistry, 2014, 447, 162-168.	1.1	19
119	Extending the hydrophobic cavity of Î²-cyclodextrin results in more negative heat capacity changes but reduced binding affinities. Journal of Inclusion Phenomena and Macrocyclic Chemistry, 2014, 78, 351-361.	0.9	19
120	A pyranose dehydrogenase-based biosensor for kinetic analysis of enzymatic hydrolysis of cellulose by cellulases. Enzyme and Microbial Technology, 2014, 58-59, 68-74.	1.6	19
121	Complexation Thermodynamics of Modified Cyclodextrins: Extended Cavities and Distorted Structures. Journal of Physical Chemistry B, 2014, 118, 10120-10129.	1.2	19
122	The influence of different linker modifications on the catalytic activity and cellulose affinity of cellobiohydrolase Cel7A from Hypocrea jecorina. Protein Engineering, Design and Selection, 2017, 30, 495-501.	1.0	19
123	Impact of Alginate Mannuronic-Guluronic Acid Contents and pH on Protein Binding Capacity and Complex Size. Biomacromolecules, 2021, 22, 649-660.	2.6	19
124	Use of isothermal titration calorimetry to study the interaction of short-chain alcohols with lipid membranes. Thermochimica Acta, 1999, 328, 129-135.	1.2	18
125	Effects of Na2SO4 and NaClO4 on the Molecular Organization of H2O. Journal of Physical Chemistry A, 2004, 108, 1635-1637.	1.1	18
126	Mixing Schemes and Liquidâ€“Solid Phase Diagram in the Water-Rich Region of Aqueous 2-Butoxyethanol. Bulletin of the Chemical Society of Japan, 1994, 67, 2393-2397.	2.0	17

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127	Hydration of a glycoprotein: relative water affinity of peptide and glycan moieties. European Biophysics Journal, 2006, 35, 367-371.	1.2	17
128	Complexation of tauroâ€•and glycoâ€conjugated bile salts with Î±â€cyclodextrin and hydroxypropylâ€Î±â€cyclodextrin studied by affinity capillary electrophoresis and molecular modelling. Journal of Separation Science, 2011, 34, 3221-3230.	1.3	17
129	Effects of Ethanol and Dimethyl Sulfoxide on the Molecular Organization of H₂O as Probed by 1-Propanol. Journal of Physical Chemistry B, 2012, 116, 7328-7333.	1.2	17
130	Determination of stability constants of tauro- and glyco-conjugated bile salts with the negatively charged sulfobutylether-Î²-cyclodextrin: comparison of affinity capillary electrophoresis and isothermal titration calorimetry and thermodynamic analysis of the interaction. Journal of Inclusion Phenomena and Macrocyclic Chemistry, 2014, 78, 185-194.	0.9	17
131	Computational Investigation of Enthalpyâ€“Entropy Compensation in Complexation of Glycoconjugated Bile Salts with Î²-Cyclodextrin and Analogs. Journal of Physical Chemistry B, 2014, 118, 10889-10897.	1.2	17
132	Partitioning of Small Alcohols into Dimyristoyl Phosphatidylcholine (DMPC) Membranes:Â Volumetric Properties. Journal of Physical Chemistry B, 2000, 104, 11334-11341.	1.2	16
133	High Temperature End of the So-Called â€œKoga Lineâ€• Anomalies in Temperature Derivatives of Heat Capacities. Journal of Physical Chemistry B, 2009, 113, 5885-5890.	1.2	16
134	Effects of constituent ions of a phosphonium-based ionic liquid on molecular organization of H₂O as probed by 1-propanol: tetrabutylphosphonium and trifluoroacetate ions. Physical Chemistry Chemical Physics, 2015, 17, 22170-22178.	1.3	16
135	Mechanism of product inhibition for cellobiohydrolase Cel7A during hydrolysis of insoluble cellulose. Biotechnology and Bioengineering, 2016, 113, 1178-1186.	1.7	16
136	Endo/exoâ€•synergism of cellulases increases with substrate conversion. Biotechnology and Bioengineering, 2017, 114, 696-700.	1.7	16
137	The structural basis of fungal glucuronoyl esterase activity on natural substrates. Nature Communications, 2020, 11, 1026.	5.8	16
138	Interactions in d-fructoseâ€“1-propanolâ€“H2O: the effect of d-fructose on the molecular organization of liquid H2O. Fluid Phase Equilibria, 2000, 171, 151-164.	1.4	15
139	Preferential Binding of Two Compatible Solutes to the Glycan Moieties ofPeniophora lyciiPhytaseâ€. Biochemistry, 2003, 42, 10295-10300.	1.2	15
140	A study of salt effects on the complexation between Î²-cyclodextrins and bile salts based on the Hofmeister series. Journal of Inclusion Phenomena and Macrocyclic Chemistry, 2014, 80, 243-251.	0.9	15
141	In Situ Stability of Substrate-Associated Cellulases Studied by DSC. Langmuir, 2014, 30, 7134-7142.	1.6	15
142	Direct kinetic comparison of the two cellobiohydrolases Cel6A and Cel7A from Hypocrea jecorina. Biochimica Et Biophysica Acta - Proteins and Proteomics, 2017, 1865, 1739-1745.	1.1	15
143	Removal of N-linked glycans in cellobiohydrolase Cel7A from Trichoderma reesei reveals higher activity and binding affinity on crystalline cellulose. Biotechnology for Biofuels, 2020, 13, 136.	6.2	15
144	Surface display as a functional screening platform for detecting enzymes active on PET. Microbial Cell Factories, 2021, 20, 93.	1.9	15

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145	Structureâ€function analysis of two closely related cutinases from Thermobifida cellulosilytica. Biotechnology and Bioengineering, 2022, 119, 470-481.	1.7	15
146	Effect of mutations on the thermostability of Aspergillus aculeatus Î²-1,4-galactanase. Computational and Structural Biotechnology Journal, 2015, 13, 256-264.	1.9	14
147	Substrate binding in the processive cellulase Cel7A: Transition state of complexation and roles of conserved tryptophan residues. Journal of Biological Chemistry, 2020, 295, 1454-1463.	1.6	14
148	Solvent accessible surface area (ASA) of simulated phospholipid membranes. Chemistry and Physics of Lipids, 2003, 123, 107-116.	1.5	13
149	Thermoactivation of a cellobiohydrolase. Biotechnology and Bioengineering, 2018, 115, 831-838.	1.7	13
150	Interactions of Na-Salts and 1-Propanol in 1-Propanolâ^'Na-Saltâ^'H₂O Systems:â€‰ Toward an Understanding the Hofmeister Series (IV). Journal of Physical Chemistry B, 2008, 112, 4680-4686.	1.2	12
151	Novel investigation of enzymatic biodiesel reaction by isothermal calorimetry. Thermochimica Acta, 2010, 501, 84-90.	1.2	12
152	Interaction Free Energies of Eight Sodium Salts and a Phosphatidylcholine Membrane. Journal of Physical Chemistry B, 2011, 115, 9955-9961.	1.2	12
153	Thermodynamics of the interaction of Î³-cyclodextrin and tauro- and glyco-conjugated bile salts. Journal of Inclusion Phenomena and Macrocyclic Chemistry, 2013, 75, 223-233.	1.6	12
154	Low thermodynamic but high kinetic stability of an antifreeze protein from Rhagium mordax. Protein Science, 2014, 23, 760-768.	3.1	12
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