

Chau-Chyun Chen

List of Publications by Year in descending order

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129
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7,732
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87843

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136
docs citations

136
times ranked

3355
citing authors

#	ARTICLE	IF	CITATIONS
1	Local composition model for excess Gibbs energy of electrolyte systems. Part I: Single solvent, single completely dissociated electrolyte systems. <i>AICHE Journal</i> , 1982, 28, 588-596.	1.8	816
2	A local composition model for the excess Gibbs energy of aqueous electrolyte systems. <i>AICHE Journal</i> , 1986, 32, 444-454.	1.8	803
3	Model of vapor-liquid equilibria for aqueous acid gas-alkanolamine systems using the electrolyte-NRTL equation. <i>Industrial & Engineering Chemistry Research</i> , 1989, 28, 1060-1073.	1.8	455
4	Thermodynamic representation of phase equilibria of mixed-solvent electrolyte systems. <i>AICHE Journal</i> , 1986, 32, 1655-1664.	1.8	345
5	Sigma-Profile Database for Using COSMO-Based Thermodynamic Methods. <i>Industrial & Engineering Chemistry Research</i> , 2006, 45, 4389-4415.	1.8	324
6	Model of vapor-liquid equilibria for aqueous acid gas-alkanolamine systems. 2. Representation of hydrogen sulfide and carbon dioxide solubility in aqueous MDEA and carbon dioxide solubility in aqueous mixtures of MDEA with MEA or DEA. <i>Industrial & Engineering Chemistry Research</i> , 1991, 30, 543-555.	1.8	276
7	Rate-Based Process Modeling Study of CO ₂ Capture with Aqueous Monoethanolamine Solution. <i>Industrial & Engineering Chemistry Research</i> , 2009, 48, 9233-9246.	1.8	249
8	Generalized electrolyte-NRTL model for mixed-solvent electrolyte systems. <i>AICHE Journal</i> , 2004, 50, 1928-1941.	1.8	225
9	Solubility Modeling with a Nonrandom Two-Liquid Segment Activity Coefficient Model. <i>Industrial & Engineering Chemistry Research</i> , 2004, 43, 8354-8362.	1.8	196
10	Refinement of COSMO ^σ -SAC and the Applications. <i>Industrial & Engineering Chemistry Research</i> , 2007, 46, 7275-7288.	1.8	180
11	Symmetric Electrolyte Nonrandom Two-Liquid Activity Coefficient Model. <i>Industrial & Engineering Chemistry Research</i> , 2009, 48, 7788-7797.	1.8	177
12	A segment-based local composition model for the gibbs energy of polymer solutions. <i>Fluid Phase Equilibria</i> , 1993, 83, 301-312.	1.4	170
13	Applied thermodynamics for process modeling. <i>AICHE Journal</i> , 2002, 48, 194-200.	1.8	150
14	Thermodynamic Modeling for CO ₂ Absorption in Aqueous MDEA Solution with Electrolyte NRTL Model. <i>Industrial & Engineering Chemistry Research</i> , 2011, 50, 163-175.	1.8	148
15	Extension and application of the pitzer equation for vapor-liquid equilibrium of aqueous electrolyte systems with molecular solutes. <i>AICHE Journal</i> , 1979, 25, 820-831.	1.8	147
16	Thermodynamic modeling for CO ₂ absorption in aqueous MEA solution with electrolyte NRTL model. <i>Fluid Phase Equilibria</i> , 2011, 311, 67-75.	1.4	144
17	Correlation and Prediction of Drug Molecule Solubility in Mixed Solvent Systems with the Nonrandom Two-Liquid Segment Activity Coefficient (NRTL ^σ -SAC) Model. <i>Industrial & Engineering Chemistry Research</i> , 2006, 45, 4816-4824.	1.8	142
18	Phase Partitioning of Biomolecules: Solubilities of Amino Acids. <i>Biotechnology Progress</i> , 1989, 5, 111-118.	1.3	116

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19	New mass transfer correlations for packed towers. <i>AIChE Journal</i> , 2012, 58, 132-152.	1.8	115
20	Modeling CO ₂ Absorption and Desorption by Aqueous Monoethanolamine Solution with Aspen Rate-based Model. <i>Energy Procedia</i> , 2013, 37, 1584-1596.	1.8	98
21	Steady-State and Dynamic Modeling of Commercial Slurry High-Density Polyethylene (HDPE) Processes. <i>Industrial & Engineering Chemistry Research</i> , 2002, 41, 5601-5618.	1.8	85
22	Use of hydration and dissociation chemistries with the electrolyte NRTL model. <i>AIChE Journal</i> , 1999, 45, 1576-1586.	1.8	80
23	Steady-State and Dynamic Modeling of Gas-Phase Polypropylene Processes Using Stirred-Bed Reactors. <i>Industrial & Engineering Chemistry Research</i> , 2004, 43, 884-900.	1.8	79
24	Prediction of Pharmaceutical Solubility Via NRTL-SAC and COSMO-SAC. <i>Journal of Pharmaceutical Sciences</i> , 2008, 97, 1813-1820.	1.6	79
25	Refined electrolyte NRTL model: Activity coefficient expressions for application to multi-electrolyte systems. <i>AIChE Journal</i> , 2008, 54, 1608-1624.	1.8	75
26	Thermodynamic Modeling of the NH ₃ -CO ₂ -H ₂ O System with Electrolyte NRTL Model. <i>Industrial & Engineering Chemistry Research</i> , 2011, 50, 11406-11421.	1.8	73
27	Thermodynamic modeling of CO ₂ and H ₂ S solubilities in aqueous DIPA solution, aqueous sulfolane-DIPA solution, and aqueous sulfolane-MDEA solution with electrolyte NRTL model. <i>Fluid Phase Equilibria</i> , 2011, 306, 190-203.	1.4	68
28	Thermodynamic modeling of CO ₂ solubility in aqueous solutions of NaCl and Na ₂ SO ₄ . <i>Journal of Supercritical Fluids</i> , 2010, 55, 623-634.	1.6	60
29	Liquid Viscosity Model for Polymer Solutions and Mixtures. <i>Industrial & Engineering Chemistry Research</i> , 2003, 42, 2415-2422.	1.8	52
30	Segment-Based Eyring-NRTL Viscosity Model for Mixtures Containing Polymers. <i>Industrial & Engineering Chemistry Research</i> , 2004, 43, 6231-6237.	1.8	50
31	Thermodynamic representation of the NaCl+Na ₂ SO ₄ +H ₂ O system with electrolyte NRTL model. <i>Fluid Phase Equilibria</i> , 2011, 306, 149-161.	1.4	50
32	Quantifying Relationships among the Molecular Weight Distribution, Non-Newtonian Shear Viscosity, and Melt Index for Linear Polymers. <i>Industrial & Engineering Chemistry Research</i> , 2003, 42, 5354-5362.	1.8	48
33	Equation of State Modeling of Phase Equilibrium in the Low-Density Polyethylene Process: The Sanchez-Lacombe, Statistical Associating Fluid Theory, and Polymer-Soave-Redlich-Kwong Equations of State. <i>Industrial & Engineering Chemistry Research</i> , 1998, 37, 4481-4491.	1.8	47
34	Thermodynamic Modeling of the Sulfuric Acid-Water-Sulfur Trioxide System with the Symmetric Electrolyte NRTL Model. <i>Journal of Chemical & Engineering Data</i> , 2011, 56, 963-977.	1.0	47
35	Fragment-Based Approach for Estimating Thermophysical Properties of Fats and Vegetable Oils for Modeling Biodiesel Production Processes. <i>Industrial & Engineering Chemistry Research</i> , 2010, 49, 876-886.	1.8	46
36	Segment-based excess Gibbs energy model for aqueous organic electrolytes. <i>AIChE Journal</i> , 2001, 47, 2593-2602.	1.8	41

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37	Modeling Polyethylene Fractionation Using the Perturbed-Chain Statistical Associating Fluid Theory Equation of State. <i>Industrial & Engineering Chemistry Research</i> , 2002, 41, 968-988.	1.8	41
38	Correlation and Prediction of Phase Behavior of Organic Compounds in Ionic Liquids Using the Nonrandom Two-Liquid Segment Activity Coefficient Model. <i>Industrial & Engineering Chemistry Research</i> , 2008, 47, 7081-7093.	1.8	39
39	Representation of solid-liquid equilibrium of aqueous electrolyte systems with the electrolyte NRTL model. <i>Fluid Phase Equilibria</i> , 1986, 27, 457-474.	1.4	37
40	Isosteric heat of adsorption from thermodynamic Langmuir isotherm. <i>Adsorption</i> , 2021, 27, 979-989.	1.4	37
41	Toward development of activity coefficient models for process and product design of complex chemical systems. <i>Fluid Phase Equilibria</i> , 2006, 241, 103-112.	1.4	36
42	Thermodynamic modeling of KCl + H ₂ O and KCl + NaCl + H ₂ O systems using electrolyte NRTL model. <i>Fluid Phase Equilibria</i> , 2015, 387, 169-177.	1.4	33
43	Development of a Thermophysical Properties Model for Flowsheet Simulation of Biomass Pyrolysis Processes. <i>ACS Sustainable Chemistry and Engineering</i> , 2019, 7, 9017-9027.	3.2	33
44	Molecular thermodynamic model for gibbs energy of mixing of nonionic surfactant solutions. <i>AIChE Journal</i> , 1996, 42, 3231-3240.	1.8	32
45	Performance of sweeping gas membrane distillation for treating produced water: Modeling and experiments. <i>Desalination</i> , 2020, 492, 114597.	4.0	32
46	Extension of Nonrandom Two-Liquid Segment Activity Coefficient Model for Electrolytes. <i>Industrial & Engineering Chemistry Research</i> , 2005, 44, 8909-8921.	1.8	31
47	Thermodynamic modeling of aqueous Ca ²⁺ + Na ⁺ + K ⁺ + Cl ⁻ quaternary system. <i>Fluid Phase Equilibria</i> , 2016, 409, 193-206.	1.4	31
48	Polymer-Solvent Vapor-Liquid Equilibrium: Equations of State versus Activity Coefficient Models. <i>Industrial & Engineering Chemistry Research</i> , 1998, 37, 1567-1573.	1.8	30
49	COSMO-SAC Sigma Profile Generation with Conceptual Segment Concept. <i>Industrial & Engineering Chemistry Research</i> , 2015, 54, 4441-4454.	1.8	30
50	Predicting Thermophysical Properties of Mono- and Diglycerides with the Chemical Constituent Fragment Approach. <i>Industrial & Engineering Chemistry Research</i> , 2010, 49, 5479-5484.	1.8	29
51	An extension of cubic equations of state to vapor-liquid equilibria in polymer-solvent mixtures. <i>Fluid Phase Equilibria</i> , 1998, 145, 169-192.	1.4	28
52	Optimal Solvent Screening for the Crystallization of Pharmaceutical Compounds from Multisolvent Systems. <i>Industrial & Engineering Chemistry Research</i> , 2012, 51, 13792-13802.	1.8	28
53	Microfluidic production of size-tunable hexadecane-in-water emulsions: Effect of droplet size on destabilization of two-dimensional emulsions due to partial coalescence. <i>Journal of Colloid and Interface Science</i> , 2019, 533, 59-70.	5.0	28
54	An activity-based formulation for Langmuir adsorption isotherm. <i>Adsorption</i> , 2020, 26, 375-386.	1.4	27

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55	A New Phase-Equilibrium Model for Simulating Industrial Nylon-6 Production Trains. <i>Industrial & Engineering Chemistry Research</i> , 2003, 42, 3900-3913.	1.8	25
56	Modeling Drug Molecule Solubility to Identify Optimal Solvent Systems for Crystallization. <i>Organic Process Research and Development</i> , 2008, 12, 249-256.	1.3	25
57	Temperature dependence of interaction parameters in electrolyte NRTL model. <i>AIChE Journal</i> , 2016, 62, 1244-1253.	1.8	25
58	A molecular thermodynamic approach to predict the secondary structure of homopolypeptides in aqueous systems. <i>Biopolymers</i> , 1992, 32, 1375-1392.	1.2	24
59	Predicting NRTL binary interaction parameters from molecular simulations. <i>AIChE Journal</i> , 2018, 64, 2758-2769.	1.8	23
60	Modeling Gas Solubilities in the Aqueous Solution of Methyl-diethanolamine. <i>Industrial & Engineering Chemistry Research</i> , 2011, 50, 6436-6446.	1.8	22
61	Extension of COSMO-SAC Solvation Model for Electrolytes. <i>Industrial & Engineering Chemistry Research</i> , 2011, 50, 176-187.	1.8	22
62	Thermodynamic model of aqueous Mg^{2+} - Na^+ - K^+ - Cl^- quaternary system. <i>Fluid Phase Equilibria</i> , 2017, 437, 56-68.	1.4	22
63	Local composition activity coefficient model for mixed-gas adsorption equilibria. <i>Adsorption</i> , 2019, 25, 951-964.	1.4	22
64	Use of GAMESS/COSMO program in support of COSMO-SAC model applications in phase equilibrium prediction calculations. <i>Fluid Phase Equilibria</i> , 2009, 276, 37-45.	1.4	20
65	Mobile ion partitioning in ion exchange membranes immersed in saline solutions. <i>Journal of Membrane Science</i> , 2021, 620, 118760.	4.1	20
66	Comprehensive thermodynamic modeling of saline water with electrolyte NRTL model: A study on aqueous Ba^{2+} - Na^+ - Cl^- - SO_4^{2-} quaternary system. <i>Fluid Phase Equilibria</i> , 2017, 447, 29-38.	1.4	19
67	Revisiting electrolyte thermodynamic models: Insights from molecular simulations. <i>AIChE Journal</i> , 2018, 64, 3728-3734.	1.8	19
68	Nonrandom Two-Liquid Segment Activity Coefficient Model with Association Theory. <i>Industrial & Engineering Chemistry Research</i> , 2019, 58, 12773-12786.	1.8	19
69	Nonrandom two-liquid activity coefficient model with association theory. <i>AIChE Journal</i> , 2021, 67, .	1.8	19
70	Representation of phase equilibrium behavior of antibiotics. <i>Biotechnology Progress</i> , 1990, 6, 266-272.	1.3	18
71	Multicomponent flash algorithm for mixtures containing polydisperse polymers. <i>AIChE Journal</i> , 2003, 49, 258-268.	1.8	18
72	Comprehensive thermodynamic modeling of saline water with electrolyte NRTL model: A study of aqueous Sr^{2+} - Na^+ - Cl^- - SO_4^{2-} quaternary system. <i>Fluid Phase Equilibria</i> , 2018, 470, 221-231.	1.4	18

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73	A comprehensive thermodynamic model for high salinity produced waters. <i>AIChE Journal</i> , 2020, 66, e16818.	1.8	18
74	Modeling swelling behavior of hydrogels in aqueous organic solvents. <i>Chemical Engineering Science</i> , 2021, 242, 116744.	1.9	18
75	Thermodynamic modeling of aqueous Na + K + Cl + SO ₄ quaternary system with electrolyte NRTL model. <i>Fluid Phase Equilibria</i> , 2015, 403, 1-9.	1.4	17
76	Melting Behavior and Heat of Fusion of Compounds that Undergo Simultaneous Melting and Decomposition: An investigation with HMX. <i>Journal of Chemical & Engineering Data</i> , 2017, 62, 967-972.	1.0	17
77	A segment contribution method for the vapor pressure of tall-oil chemicals. <i>Fluid Phase Equilibria</i> , 1999, 155, 193-203.	1.4	16
78	Bridging two-liquid theory with molecular simulations for electrolytes: An investigation of aqueous NaCl solution. <i>AIChE Journal</i> , 2019, 65, 1315-1324.	1.8	16
79	Molecular thermodynamics for scaling prediction: Case of membrane distillation. <i>Separation and Purification Technology</i> , 2021, 276, 119231.	3.9	16
80	New Mass-Transfer Model for Simulating Industrial Nylon-6 Production Trains. <i>Industrial & Engineering Chemistry Research</i> , 2004, 43, 5063-5076.	1.8	15
81	Aggregation thermodynamics for asphaltene precipitation. <i>AIChE Journal</i> , 2016, 62, 1254-1264.	1.8	15
82	Association-based activity coefficient model for electrolyte solutions. <i>AIChE Journal</i> , 2022, 68, e17422.	1.8	15
83	Symmetric Nonrandom Two-Liquid Segment Activity Coefficient Model for Electrolytes. <i>Industrial & Engineering Chemistry Research</i> , 2009, 48, 5522-5529.	1.8	14
84	Thermodynamic modeling of the hybrid sulfur (HyS) cycle for hydrogen production. <i>Fluid Phase Equilibria</i> , 2018, 460, 175-188.	1.4	14
85	Molecular thermodynamic modeling of aqueous Na+K+Mg ²⁺ +Ca ²⁺ +SO ₄ ²⁻ quinary system. <i>Fluid Phase Equilibria</i> , 2019, 491, 77-87.	1.4	14
86	Thermodynamic representation of aqueous sodium nitrate and nitric acid solution with electrolyte NRTL model. <i>Fluid Phase Equilibria</i> , 2016, 407, 105-116.	1.4	13
87	Thermodynamic modeling of HCl-H ₂ O binary system with symmetric electrolyte NRTL model. <i>Journal of Chemical Thermodynamics</i> , 2018, 125, 159-171.	1.0	13
88	Some recent developments in process simulation for reactive chemical systems. <i>Pure and Applied Chemistry</i> , 1987, 59, 1177-1188.	0.9	12
89	Thermodynamic modeling of asphaltene precipitation in pure and mixed solvents with NRTL-SAC. <i>Fluid Phase Equilibria</i> , 2018, 473, 255-261.	1.4	12
90	Nonrandom two-liquid activity coefficient model for aqueous polyelectrolyte solutions. <i>Fluid Phase Equilibria</i> , 2019, 497, 1-9.	1.4	12

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91	Thermodynamic modeling of CO ₂ absorption in aqueous potassium carbonate solution with electrolyte NRTL model. <i>Fluid Phase Equilibria</i> , 2020, 505, 112339.	1.4	12
92	Modeling dissociation of ionic liquids with electrolyte NRTL model. <i>Journal of Molecular Liquids</i> , 2021, 329, 115524.	2.3	12
93	Thermodynamic modeling of calcium carbonate scale precipitation: aqueous Na ⁺ -Ca ²⁺ -Cl ⁻ -HCO ₃ ⁻ -CO ₃ ²⁻ -CO ₂ system. <i>Fluid Phase Equilibria</i> , 2022, 552, 113263.	1.4	11
94	Thermodynamic modeling of aqueous Na ⁺ -K ⁺ -Mg ²⁺ -SO ₄ ²⁻ quaternary system. <i>Fluid Phase Equilibria</i> , 2015, 404, 141-149.	1.4	10
95	A rigorous process modeling methodology for biomass fast pyrolysis with an entrained-flow reactor. <i>Journal of Advanced Manufacturing and Processing</i> , 2020, 2, .	1.4	10
96	Generalization of thermodynamic Langmuir isotherm for mixed-gas adsorption equilibria. <i>AICHE Journal</i> , 2022, 68, .	1.8	10
97	Thermodynamic modeling of HNO ₃ -H ₂ SO ₄ -H ₂ O ternary system with symmetric electrolyte NRTL model. <i>AICHE Journal</i> , 2017, 63, 3110-3117.	1.8	9
98	Prediction of Asphaltene Precipitation in Organic Solvents via COSMO-SAC. <i>Energy & Fuels</i> , 2017, 31, 8985-8996.	2.5	9
99	Prediction of mixed-gas adsorption equilibria from pure component adsorption isotherms. <i>AICHE Journal</i> , 2020, 66, e16243.	1.8	9
100	From Langmuir isotherm to Brunauer-Emmett-Teller isotherm. <i>AICHE Journal</i> , 2022, 68, e17523.	1.8	9
101	Molecular thermodynamic model to predict the .alpha.-helical secondary structure of polypeptide chains in solution. <i>Biochemistry</i> , 1992, 31, 10591-10601.	1.2	8
102	Correlation and prediction of drug molecule solubility with the NRTL-SAC model. <i>Computer Aided Chemical Engineering</i> , 2006, , 859-864.	0.3	7
103	Predicting wax appearance temperature and precipitation profile of normal alkane systems: An explicit co-crystal model. <i>Fluid Phase Equilibria</i> , 2020, 509, 112466.	1.4	7
104	Prediction of thermodynamic properties of organic mixtures: Combining molecular simulations with classical thermodynamics. <i>Fluid Phase Equilibria</i> , 2020, 523, 112759.	1.4	7
105	A Novel Approach to Modeling Biomass Pyrolysis in a Fluidized Bed Reactor. <i>ACS Sustainable Chemistry and Engineering</i> , 2020, 8, 14605-14615.	3.2	7
106	Modeling fluid phase equilibria of carbon dioxide-methanol binary system. <i>Fluid Phase Equilibria</i> , 2021, 529, 112866.	1.4	7
107	Thermodynamic Modeling of Aqueous LiCl, LiBr, LiI, and LiNO ₃ Solutions. <i>Fluid Phase Equilibria</i> , 2021, 531, 112914.	1.4	7
108	Solubility of Nutraceputical Compounds in Generally Recognized as Safe Solvents at 298 K. <i>International Journal of Chemical Engineering and Applications (IJCEA)</i> , 2016, 7, 289-294.	0.3	7

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109	Aggregation thermodynamics of asphaltenes: Prediction of asphaltene precipitation in petroleum fluids with NRTL-SAC. <i>Fluid Phase Equilibria</i> , 2020, 520, 112655.	1.4	6
110	A simple and practical process modeling methodology for pressure swing adsorption. <i>Computers and Chemical Engineering</i> , 2021, 147, 107235.	2.0	6
111	Prediction of χ Parameter of Polymer Blends by Combining Molecular Simulations and Integral Equation Theory. <i>Journal of Physical Chemistry B</i> , 2018, 122, 9022-9031.	1.2	5
112	Environmental Impacts of Hydraulic Fracturing. , 2016, , 199-219.		5
113	Correlations for Densities of Aqueous Electrolyte Solutions. <i>Journal of Chemical & Engineering Data</i> , 2016, 61, 740-747.	1.0	4
114	Modeling aqueous multivalent polyelectrolytes systems with polyelectrolyte NRTL model. <i>Journal of Molecular Liquids</i> , 2021, 336, 116237.	2.3	4
115	Process Modeling of CO ₂ Absorption with Monoethanolamine Aqueous Solutions Using Rotating Packed Beds. <i>Industrial & Engineering Chemistry Research</i> , 2022, 61, 12142-12152.	1.8	4
116	Estimating CO ₂ Solubility in Aqueous Na ⁺ K ⁺ Mg ²⁺ Ca ²⁺ Cl ⁻ SO ₄ ²⁻ Solutions with Electrolyte NRTL-PC-SAFT Model. <i>Journal of Chemical & Engineering Data</i> , 2022, 67, 1932-1950.	1.0	4
117	Deep learning neural network potential for simulating gaseous adsorption in metal-organic frameworks. <i>Materials Advances</i> , 2022, 3, 5299-5303.	2.6	4
118	Batch-screening guided continuous flow synthesis of the metal-organic framework HKUST-1 in a millifluidic droplet reactor. <i>Microporous and Mesoporous Materials</i> , 2022, 339, 112005.	2.2	4
119	The role of computerized modeling and simulation in the development of life support system technologies. <i>Advances in Space Research</i> , 1989, 9, 121-131.	1.2	3
120	Process simulation in polymer manufacturing. <i>Computers and Chemical Engineering</i> , 1992, 16, S481-S490.	2.0	2
121	Industrial Applications of Plant-Wide Equation-Oriented Process Modeling-2010. <i>Advances in Chemical Engineering</i> , 2011, 40, 119-152.	0.5	2
122	Collective nucleation dynamics in two-dimensional emulsions with hexagonal packing. <i>Physical Review E</i> , 2020, 101, 030602.	0.8	2
123	Modeling Phase Equilibrium of Common Sugars Glucose, Fructose, and Sucrose in Mixed Solvents. <i>Journal of Chemical & Engineering Data</i> , 2021, 66, 4193-4205.	1.0	2
124	Extended thermodynamic model for high salinity produced waters. <i>Chemical Engineering Science</i> , 2021, 243, 116754.	1.9	2
125	Thermodynamic analysis of hydrogel swelling in aqueous sodium chloride solutions. <i>Journal of Molecular Liquids</i> , 2022, 348, 118421.	2.3	2
126	Catastrophic thermal destabilization of two-dimensional close-packed emulsions due to synchronous coalescence initiation. <i>Soft Matter</i> , 2020, 16, 6032-6037.	1.2	1

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127	Solubility Thermodynamics of Organic Energetic Materials. , 2017, , 43-62.		1
128	Modeling Ion Transport in Electrodialysis of Concentrated Solutions. Materials and Energy, 2021, , 193-226.	2.5	0
129	Thermodynamic modeling of aqueous polyelectrolyte solutions with mixed-valent counterions. Journal of Chemical Thermodynamics, 2022, 169, 106761.	1.0	0