

Xudong Yu

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Metastable Phase Equilibria in the Aqueous Ternary Systems $\text{KCl} + \text{MgCl}_2 + \text{H}_2\text{O}$ and $\text{KCl} + \text{RbCl} + \text{H}_2\text{O}$ at 298.15 K. <i>Journal of Chemical & Engineering Data</i> , 2011, 56, 3384-3391.	1.0	35
2	Stable Phase Equilibrium and Phase Diagram of the Quinary System Li^+ , K^+ , Rb^+ , Mg^{2+} // $\text{Borate-H}_2\text{O}$ at $T = 348.15$ K. <i>Journal of Chemical & Engineering Data</i> , 2016, 61, 1246-1253.	1.0	35
3	Solid-liquid equilibria in the quinary system $\text{LiCl-KCl-RbCl-MgCl}_2\text{-H}_2\text{O}$ at $T=323$ K. <i>Fluid Phase Equilibria</i> , 2015, 387, 88-94.	1.4	29
4	Metastable Phase Equilibrium in the Quaternary System $\text{LiCl} + \text{KCl} + \text{RbCl} + \text{H}_2\text{O}$ at 348.15 K. <i>Journal of Chemical & Engineering Data</i> , 2013, 58, 2875-2880.	1.0	25
5	Solubilities, Densities, and Refractive Indices of the Ternary Systems $\text{KCl} + \text{RbCl} + \text{H}_2\text{O}$ and $\text{KCl} + \text{MgCl}_2 + \text{H}_2\text{O}$ at 348.15 K. <i>Journal of Chemical & Engineering Data</i> , 2012, 57, 3658-3663.	1.0	23
6	Solid-liquid equilibrium in the aqueous system containing the chlorides of lithium, rubidium and magnesium at 323K. <i>Fluid Phase Equilibria</i> , 2014, 367, 63-68.	1.4	23
7	Phase equilibria of CsCl -polyethylene glycol (PEG)- H_2O at 298.15 K: Effect of different polymer molar masses (PEG1000/4000/6000). <i>Journal of Chemical Thermodynamics</i> , 2019, 135, 45-54.	1.0	23
8	Solid-Liquid Metastable Phase Equilibria in the Ternary Systems $\text{KCl} + \text{NH}_4\text{Cl} + \text{H}_2\text{O}$ and $\text{NH}_4\text{Cl} + \text{MgCl}_2 + \text{H}_2\text{O}$ at 298.15 K. <i>Journal of Chemical & Engineering Data</i> , 2012, 57, 1759-1765.	1.0	21
9	The Solubilities and Physicochemical Properties of the Aqueous Quaternary System Li^+ , K^+ , Rb^+ // $\text{Borate-H}_2\text{O}$ at 348 K. <i>Journal of Chemical & Engineering Data</i> , 2014, 59, 110-115.	1.0	19
10	Solid-Liquid Isothermal Evaporation Metastable Phase Equilibria in the Aqueous Quaternary System $\text{LiCl} + \text{KCl} + \text{RbCl} + \text{H}_2\text{O}$ at 298.15 K. <i>Journal of Chemical & Engineering Data</i> , 2012, 57, 127-132.	1.0	18
11	Metastable phase equilibria for the quaternary system containing potassium, magnesium, rubidium and chloride at 323.15 K. <i>Fluid Phase Equilibria</i> , 2013, 349, 67-70.	1.4	18
12	Metastable Phase Equilibrium in the Aqueous Quaternary System $(\text{Li}_2\text{SO}_4)_T$ at $T = 348.15$ K. <i>Journal of Chemical & Engineering Data</i> , 2011, 56, 2569-2573.	1.0	16
13	Study on the Solubility of the Aqueous Quaternary System $\text{Li}_2\text{SO}_4 + \text{Na}_2\text{SO}_4 + \text{K}_2\text{SO}_4 + \text{H}_2\text{O}$ at 273.15 K. <i>Journal of Chemical & Engineering Data</i> , 2012, 57, 3672-3676.	1.0	16
14	Salt-Water Phase Equilibria in Ternary Systems $\text{K}^+(\text{Mg}^{2+})$, NH_4^+ // Cl^- - H_2O at $T = 273$ K. <i>Journal of Chemical & Engineering Data</i> , 2017, 62, 1427-1432.	1.0	16
15	Phase Equilibria for the Aqueous Reciprocal Quaternary System Rb^+ , Mg^{2+} // Cl^- , $\text{Borate-H}_2\text{O}$ at 348 K. <i>Journal of Chemical & Engineering Data</i> , 2014, 59, 2235-2241.	1.0	15
16	Thermodynamics Phase Equilibria of the Aqueous Ternary Systems $\text{LiCl} + \text{KCl} (\text{MgCl}_2) + \text{H}_2\text{O}$ at 348 K. <i>Journal of Chemical & Engineering Data</i> , 2015, 60, 574-579.	1.0	15
17	Solid-Liquid Equilibrium on the Reciprocal Aqueous Quaternary System Li^+ , Mg^{2+} // Cl^- , and $\text{Borate-H}_2\text{O}$ at 323 K. <i>Journal of Chemical & Engineering Data</i> , 2016, 61, 3311-3316.	1.0	15
18	Stable Phase Equilibrium of Aqueous Quaternary System Li^+ , K^+ , Mg^{2+} // $\text{Borate-H}_2\text{O}$ at 348 K. <i>Journal of Chemical & Engineering Data</i> , 2014, 59, 4173-4178.	1.0	14

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19	Solid-Liquid Equilibrium of Quinary Aqueous Solution Composed of Lithium, Potassium, Rubidium, Magnesium, and Borate at 323.15 K. <i>Journal of Chemical & Engineering Data</i> , 2019, 64, 5681-5687.	1.0	13
20	Measurements and Simulation of the Polyethylene glycol 1000-Water-KCl Ternary System at 288.2, 298.2, and 308.2 K. <i>Journal of Chemical Engineering of Japan</i> , 2019, 52, 325-332.	0.3	11
21	The Stable Phase Equilibria of the Ternary Systems $\text{Na}_2\text{SO}_4 + \text{Rb}_2\text{SO}_4 + \text{Cs}_2\text{SO}_4$ (Cs_2SO_4) + H_2O at 298.2 K. <i>Journal of Chemical & Engineering Data</i> , 2019, 64, 529-535.	1.0	11
22	Thermodynamics Phase Equilibria for the System Containing Lithium, Sodium, Chloride, and Carbonate in Aqueous Solution at 273.15 K. <i>Journal of Chemical & Engineering Data</i> , 2013, 58, 2799-2804.	1.0	10
23	Phase Equilibria for the Aqueous Reciprocal Quaternary System K^+ , $\text{Mg}^{2+}/\text{Cl}^-$, Borate-H ₂ O at 298 K. <i>Journal of Chemical & Engineering Data</i> , 2016, 61, 1566-1572.	1.0	10
24	Measurements and Calculations of Stable Phase Equilibria in Ternary Systems $\text{MgSO}_4 + \text{Rb}_2\text{SO}_4 + \text{Cs}_2\text{SO}_4 + \text{H}_2\text{O}$ at $T = 298.2$ K. <i>Journal of Chemical & Engineering Data</i> , 2018, 63, 3418-3426.	1.0	10
25	Stable Phase Diagram of Quaternary Water-Salt System Li^+ , Na^+ , $\text{Cs}^+/\text{SO}_4^{2-} + \text{H}_2\text{O}$ at $T = 298.2$ K. <i>Journal of Chemical & Engineering Data</i> , 2019, 64, 1222-1227.	1.0	10
26	Solubility of the Aqueous Reciprocal Quaternary System Li^+ , $\text{Na}^+/\text{CO}_3^{2-}$, $\text{SO}_4^{2-} + \text{H}_2\text{O}$ at 273.15 K. <i>Journal of Chemical & Engineering Data</i> , 2013, 58, 455-459.	1.0	9
27	Phase diagrams and physicochemical properties of Li^+ , $\text{K}^+(\text{Rb}^+)/\text{borate-H}_2\text{O}$ systems at 323 K. <i>Russian Journal of Physical Chemistry A</i> , 2017, 91, 2149-2156.	0.1	9
28	Phase Equilibrium for the Aqueous Ternary Systems NH_4^+ , Sr^{2+} , $(\text{Ca}^{2+}/\text{Cl}^-) + \text{H}_2\text{O}$ at $T = 298$ K. <i>Journal of Chemical Engineering of Japan</i> , 2018, 51, 551-555.	0.3	9
29	Solid-Liquid Equilibrium of the Quaternary System Lithium, Potassium, Rubidium, and Borate at $T = 323$ K. <i>Journal of Chemical & Engineering Data</i> , 2018, 63, 3125-3129.	1.0	9
30	Solid-Liquid Equilibria and Pitzer Model Simulation of the $\text{SrCl}_2 + \text{NH}_4\text{Cl} + \text{MgCl}_2 + \text{H}_2\text{O}$ Quaternary System at $T = 298$ K. <i>Journal of Chemical & Engineering Data</i> , 0, , .	1.0	8
31	The phase diagram and physicochemical properties of the quaternary system Li^+ , Rb^+ , $\text{Mg}^{2+}/\text{borate-H}_2\text{O}$ at 348 K. <i>Russian Journal of Physical Chemistry A</i> , 2015, 89, 1572-1577.	0.1	7
32	Stable Phase Equilibrium in the Aqueous Quaternary System Rb^+ , $\text{Mg}^{2+}/\text{Cl}^-$, borate-H ₂ O at 323 K. <i>Journal of Chemical & Engineering Data</i> , 2016, 61, 2419-2425.	1.0	7
33	Measurement and Correlation of Phase Equilibria of Ammonium, Calcium, Aluminum, and Chloride in Aqueous Solution at 298.15 K. <i>Journal of Chemical & Engineering Data</i> , 2019, 64, 3514-3520.	1.0	7
34	Stable Phase Equilibrium of the Quaternary System $\text{Li}_2\text{SO}_4 + \text{Cs}_2\text{SO}_4 + \text{MgSO}_4 + \text{H}_2\text{O}$ at 298.2 K. <i>Journal of Chemical & Engineering Data</i> , 2019, 64, 2774-2779.	1.0	7
35	Solid-Liquid and Liquid-Liquid Equilibria for the System Composed of Cesium Chloride, Polyethylene Glycol (PEG1000/4000/6000) and Water at 288.15 and 308.15 K. <i>Journal of Solution Chemistry</i> , 2020, 49, 1382-1401.	0.6	7
36	Stable Phase Diagram of the Quaternary Water-Salt System Li^+ , Na^+ , $\text{Rb}^+/\text{SO}_4^{2-} + \text{H}_2\text{O}$ at 298.2 and 323.2 K ($T_P = 94.5$) T. J. Chem. Eng. Data, 2020, 65, 1000-1007.	1.0	0

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37	Polyacrylonitrile/Crown Ether Composite Nanofibres With High Efficiency for Adsorbing Li(I): Experiments and Theoretical Calculations. <i>Frontiers in Energy Research</i> , 2021, 9, .	1.2	7
38	Metastable equilibrium for the quaternary system containing with lithium+potassium+magnesium+chloride in aqueous solution at 323K. <i>Korean Journal of Chemical Engineering</i> , 2014, 31, 1065-1069.	1.2	6
39	Stable Phase Equilibrium of Aqueous Quaternary System $\text{Li}^+/\text{Rb}^+/\text{Mg}^{2+}/\text{Borate}^-\text{H}_2\text{O}$ at 298.2 K. <i>Journal of Chemical Engineering of Japan</i> , 2017, 50, 470-475.	0.3	6
40	The Phase and Physicochemical Properties Diagrams of Systems $\text{Rb}^+(\text{Mg}^{2+})/\text{Cl}^-$ and $\text{Borate}^-\text{H}_2\text{O}$ at 323 K. <i>Russian Journal of Physical Chemistry A</i> , 2019, 93, 211-217.	0.1	6
41	Solid-liquid phase equilibrium determination and correlation of ternary systems $\text{NH}_4\text{Cl}+\text{AlCl}_3+\text{H}_2\text{O}$, $\text{MgCl}_2+\text{AlCl}_3+\text{H}_2\text{O}$ and $\text{SrCl}_2+\text{AlCl}_3+\text{H}_2\text{O}$ at 298 K. <i>Fluid Phase Equilibria</i> , 2020, 507, 112426.	1.4	6
42	Stable Phase Diagram of the Quaternary Water-Salt System $\text{K}^+, \text{Rb}^+, \text{Cs}^+/\text{SO}_4^{2-}\text{H}_2\text{O}$ at $T = 298.2$ K. <i>Journal of Chemical & Engineering Data</i> , 2020, 65, 4751-4761.	1.0	6
43	Solid-Liquid Equilibrium in the Aqueous System Containing the Borates of Potassium, Rubidium, and Magnesium at 348 K. <i>Journal of Chemical & Engineering Data</i> , 2015, 60, 3224-3228.	1.0	4
44	Metastable Phase Equilibrium of the Quaternary System $\text{Na}^+, \text{Rb}^+, \text{Mg}^{2+}/\text{Cl}^-$ - H_2O at 298.2 K. <i>Chemical Research in Chinese Universities</i> , 2018, 34, 823-827.	1.3	4
45	Solid-Liquid Equilibrium in Ternary System $\text{RbCl} + \text{Polyethylene Glycol PEG1000} + \text{H}_2\text{O}$ at 288.15, 298.15, and 308.15 K. <i>Russian Journal of Physical Chemistry A</i> , 2019, 93, 2586-2592.	0.1	4
46	Stable Phase Diagram of the Quaternary Water-Salt System $\text{Li}^+/\text{Na}^+/\text{Mg}^{2+}/\text{SO}_4^{2-}\text{H}_2\text{O}$ at $T = 323$ K. <i>Journal of Chemical & Engineering Data</i> , 2020, 65, 133-139.	1.0	4
47	Phase equilibria measurements and correlation of aqueous solvent of PEG4000 with rubidium chloride at (288.15, 298.15, and 308.15) K. <i>Journal of Chemical Thermodynamics</i> , 2020, 149, 106151.	1.0	4
48	Phase Equilibria for the Reciprocal Aqueous Quaternary System $\text{Li}^+, \text{Rb}^+/\text{Cl}^-$, $\text{Borate}^-\text{H}_2\text{O}$ at 323.2 K. <i>Journal of Solution Chemistry</i> , 2020, 49, 1349-1359.	0.6	4
49	Phase Equilibria on the Reciprocal Quaternary System $\text{K}^+/\text{Rb}^+/\text{Cl}^-$, and $\text{Borate}^-\text{H}_2\text{O}$ at $T = 323.2$ K and $p = 94.77$ kPa. <i>Journal of Chemical & Engineering Data</i> , 2021, 66, 3576-3581.	1.0	4
50	Isothermal evaporation of quaternary system $\text{Li}^+, \text{K}^+, \text{Mg}^{2+}/\text{Cl}^-$ - H_2O at 348 K. <i>Chemical Research in Chinese Universities</i> , 2014, 30, 676-680.	1.3	3
51	Stable-Phase Diagram of the Quaternary Water-Salt System $\text{K}^+, \text{Rb}^+, \text{Cs}^+/\text{SO}_4^{2-}\text{H}_2\text{O}$ at $T = 323.2$ K. <i>Journal of Chemical & Engineering Data</i> , 2022, 67, 491-499.	1.0	3
52	Solid-Liquid Phase Equilibrium in Aqueous Quaternary System $\text{Li}^+, \text{Rb}^+, \text{Mg}^{2+}/\text{Borate}^-\text{H}_2\text{O}$ at $T = 323$ K. <i>Russian Journal of Physical Chemistry A</i> , 2019, 93, 2197-2202.	0.1	2
53	Solid-liquid equilibria and thermodynamic correlation for the ternary system $(\text{KCl}+\text{PEG1000}/\text{H}_2\text{O})$ at 288.2 K and 298.2 K. <i>Journal of Chemical Thermodynamics</i> , 2020, 150, 106221.	1.0	2
54	Solid-Liquid Equilibria of KCl in Polyethylene Glycol 6000-H ₂ O Mixed Solvent at 288.2, 298.2, and 308.2 K: Experiment and Correlation. <i>Journal of Chemical Engineering of Japan</i> , 2020, 53, 229-236.	0.3	2

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55	The effect of temperature on phase equilibria of polyethylene glycol (PEG8000)-K ₂ SO ₄ -H ₂ O at T = (288.15, 298.15, 308.15) K. <i>Journal of Solution Chemistry</i> , 2020, 49, 1154-1169.	1.7	1
56	Phase Equilibria of the Ternary Systems Potassium Sulfate+Polyethylene Glycol (PEG6000/10,000)+Water at 288.2, 298.2 and 308.2 K: Experimental Determination and Correlation. <i>Journal of Solution Chemistry</i> , 2020, 49, 1154-1169.	0.6	1
57	Solid-Liquid Equilibria (SLE) of the Quinary Reciprocal Aqueous System Li ⁺ , K ⁺ , Rb ⁺ , Cs ⁺ , Cl ⁻ , Borate-H ₂ O at 323.2 K. <i>Journal of Chemical & Engineering Data</i> , 2022, 67, 2719-2727.	1.0	1
58	Measurements and Thermodynamic Modeling of Solid-Liquid Equilibria Data for the Ternary (KCl+PEG8000+H ₂ O) System at 288.2, 298.2, and 308.2 K. <i>Journal of Solution Chemistry</i> , 2021, 50, 792-807.	0.6	0