

Xudong Yu

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

58
papers

500
citations

14
h-index

18
g-index

62
ext. papers

569
ext. citations

2.3
avg, IF

3.9
L-index

#	Paper	IF	Citations
58	Stable-Phase Diagram of the Quaternary Water-Balt System K^+ , Rb^+ , Cs^+ // SO_4^{2-} - H_2O at $T = 323.2$ K. <i>Journal of Chemical & Engineering Data</i> , 2022 , 67, 491-499	2.8	0
57	Polyacrylonitrile/Crown Ether Composite Nanofibres With High Efficiency for Adsorbing $Li(I)$: Experiments and Theoretical Calculations. <i>Frontiers in Energy Research</i> , 2021 , 9,	3.8	4
56	Measurements and Thermodynamic Modeling of Solid-Liquid Equilibria Data for the Ternary ($KCl + PEG8000 + H_2O$) System at 288.2, 298.2, and 308.2 K. <i>Journal of Solution Chemistry</i> , 2021 , 50, 792-807	1.8	0
55	Stable Phase Diagram of the Quaternary Water-Balt System Li^+ , Na^+ , Rb^+ // SO_4^{2-} - H_2O at 298.2 and 323.2 K ($P = 94.5$ kPa). <i>Journal of Chemical & Engineering Data</i> , 2021 , 66, 1730-1740	2.8	2
54	Phase Equilibria on the Reciprocal Quaternary System K^+ , Rb^+ // Cl^- and Borate- H_2O at $T = 323.2$ K and $p = 94.77$ kPa. <i>Journal of Chemical & Engineering Data</i> , 2021 , 66, 3576-3581	2.8	1
53	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	1.8	5
52	Solid-liquid equilibria and thermodynamic correlation for the ternary system ($KCl + PEG10000/20000 + H_2O$) at 288.2 K and 298.2 K. <i>Journal of Chemical Thermodynamics</i> , 2020 , 150, 106221-29	2.9	1
51	Correction to 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> , 2020 , 65, 936-936	2.8	
50	Solid-Liquid Equilibria of KCl in Polyethylene Glycol 6000- H_2O 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	0.8	2
49	Stable Phase Diagram of the Quaternary Water-Balt System Li^+ , Na^+ , Mg^{2+} // SO_4^{2-} - H_2O at $T = 323$ K. <i>Journal of Chemical & Engineering Data</i> , 2020 , 65, 133-139	2.8	2
48	Solid-liquid phase equilibrium determination and correlation of ternary systems $NH_4Cl+AlCl_3+H_2O$, $MgCl_2+AlCl_3+H_2O$ and $SrCl_2+AlCl_3+H_2O$ at 298K. <i>Fluid Phase Equilibria</i> , 2020 , 507, 112426	2.5	3
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	2.9	2
46	Phase Equilibria for the Reciprocal Aqueous Quaternary System Li^+ , Rb^+ // Cl^- -Borate- H_2O at 323.2 K. <i>Journal of Solution Chemistry</i> , 2020 , 49, 1349-1359	1.8	1
45	The effect of temperature on phase equilibria of polyethylene glycol (PEG8000)- K_2SO_4 - H_2O at $T = (288.15, 298.15, 308.15)$ K. <i>Chinese Journal of Chemical Engineering</i> , 2020 , 28, 3079-3085	3.2	1
44	Stable Phase Diagram of the Quaternary Water-Balt System K^+ , Rb^+ , Cs^+ // SO_4^{2-} - H_2O at $T = 298.2$ K. <i>Journal of Chemical & Engineering Data</i> , 2020 , 65, 4751-4761	2.8	3
43	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	1.8	
42	The Phase and Physicochemical Properties Diagrams of Systems $Rb^+(Mg^{2+})//Cl^-$ and Borate- H_2O at 323 K. <i>Russian Journal of Physical Chemistry A</i> , 2019 , 93, 211-217	0.7	5

41	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	2.8	3
40	Phase equilibria of CsCl-polyethylene glycol (PEG)-H ₂ O at 298.15 K: Effect of different polymer molar masses (PEG1000/4000/6000). <i>Journal of Chemical Thermodynamics</i> , 2019 , 135, 45-54	2.9	15
39	Stable Phase Diagram of Quaternary Water-Balt System $\text{Li}^+, \text{Na}^+, \text{Cs}^+//\text{SO}_4^{2-}\text{H}_2\text{O}$ at T = 298.2 K. <i>Journal of Chemical & Engineering Data</i> , 2019 , 64, 1222-1227	2.8	7
38	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	2.8	5
37	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	0.7	3
36	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	2.8	9
35	Measurements and Simulation of the Polyethylene glycol 1000-Water-Cl Ternary System at 288.2, 298.2, and 308.2 K. <i>Journal of Chemical Engineering of Japan</i> , 2019 , 52, 325-332	0.8	9
34	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	0.7	2
33	The Stable Phase Equilibria of the Ternary Systems $\text{Na}_2\text{SO}_4 + \text{Rb}_2\text{SO}_4 (\text{Cs}_2\text{SO}_4) + \text{H}_2\text{O}$ at 298.2 K. <i>Journal of Chemical & Engineering Data</i> , 2019 , 64, 529-535	2.8	8
32	Phase Equilibrium for the Aqueous Ternary Systems $\text{NH}_4^+, \text{Sr}^{2+} (\text{Ca}^{2+})//\text{Cl}\text{H}_2\text{O}$ at T=298 K. <i>Journal of Chemical Engineering of Japan</i> , 2018 , 51, 551-555	0.8	7
31	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	2.8	7
30	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	2.8	7
29	Solid-Liquid Equilibria and Pitzer Model Simulation of the $\text{SrCl}_2\text{H}_4\text{ClMgCl}_2\text{H}_2\text{O}$ Quaternary System at T = 298 K. <i>Journal of Chemical & Engineering Data</i> , 2018 ,	2.8	5
28	Metastable Phase Equilibrium of the Quaternary System $\text{Na}^+, \text{Rb}^+, \text{Mg}^{2+}//\text{Cl}\text{H}_2\text{O}$ at 298.2 K. <i>Chemical Research in Chinese Universities</i> , 2018 , 34, 823-827	2.2	3
27	Salt-Water Phase Equilibria in Ternary Systems $\text{K}^+(\text{Mg}^{2+}), \text{NH}_4^+//\text{Cl}\text{H}_2\text{O}$ at T = 273 K. <i>Journal of Chemical & Engineering Data</i> , 2017 , 62, 1427-1432	2.8	14
26	Phase diagrams and physicochemical properties of $\text{Li}^+, \text{K}^+(\text{Rb}^+)//\text{borate}\text{H}_2\text{O}$ systems at 323 K. <i>Russian Journal of Physical Chemistry A</i> , 2017 , 91, 2149-2156	0.7	6
25	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	0.8	6
24	Solid-Liquid Equilibrium on the Reciprocal Aqueous Quaternary System $\text{Li}^+, \text{Mg}^{2+}//\text{Cl}$ and Borate H_2O at 323 K. <i>Journal of Chemical & Engineering Data</i> , 2016 , 61, 3311-3316	2.8	13

23	Stable Phase Equilibrium in the Aqueous Quaternary System Rb^+ , Mg^{2+} // Cl^- /Borate-H ₂ O at 323 K. <i>Journal of Chemical & Engineering Data</i> , 2016 , 61, 2419-2425	2.8	7
22	Stable Phase Equilibrium and Phase Diagram of the Quinary System Li^+ , K^+ , Rb^+ , Mg^{2+} //Borate-H ₂ O at T = 348.15 K. <i>Journal of Chemical & Engineering Data</i> , 2016 , 61, 1246-1253	2.8	31
21	Phase Equilibria for the Aqueous Reciprocal Quaternary System K^+ , Mg^{2+} // Cl^- /Borate-H ₂ O at 298 K. <i>Journal of Chemical & Engineering Data</i> , 2016 , 61, 1566-1572	2.8	9
20	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	2.8	12
19	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	2.8	4
18	Solid-Liquid equilibria in the quinary system $\text{LiCl} \text{--} \text{KCl} \text{--} \text{RbCl} \text{--} \text{MgCl}_2 \text{--} \text{H}_2\text{O}$ at T = 323 K. <i>Fluid Phase Equilibria</i> , 2015 , 387, 88-94	2.5	22
17	The phase diagram and physicochemical properties of the quaternary system Li^+ , Rb^+ , Mg^{2+} //borate-H ₂ O at 348 K. <i>Russian Journal of Physical Chemistry A</i> , 2015 , 89, 1572-1577	0.7	7
16	The Solubilities and Physicochemical Properties of the Aqueous Quaternary System Li^+ , K^+ , Rb^+ //Borate-H ₂ O at 348 K. <i>Journal of Chemical & Engineering Data</i> , 2014 , 59, 110-115	2.8	16
15	Phase Equilibria for the Aqueous Reciprocal Quaternary System Rb^+ , Mg^{2+} // Cl^- /Borate-H ₂ O at 348 K. <i>Journal of Chemical & Engineering Data</i> , 2014 , 59, 2235-2241	2.8	15
14	Isothermal evaporation of quaternary system Li^+ , K^+ , Mg^{2+} // Cl^- -H ₂ O at 348 K. <i>Chemical Research in Chinese Universities</i> , 2014 , 30, 676-680	2.2	2
13	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	2.8	6
12	Solid-Liquid equilibrium in the aqueous system containing the chlorides of lithium, rubidium and magnesium at 323 K. <i>Fluid Phase Equilibria</i> , 2014 , 367, 63-68	2.5	22
11	Stable Phase Equilibrium of Aqueous Quaternary System Li^+ , K^+ , Mg^{2+} //Borate-H ₂ O at 348 K. <i>Journal of Chemical & Engineering Data</i> , 2014 , 59, 4173-4178	2.8	14
10	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	2.8	10
9	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	2.8	23
8	Metastable phase equilibria for the quaternary system containing potassium, magnesium, rubidium and chloride at 323.15K. <i>Fluid Phase Equilibria</i> , 2013 , 349, 67-70	2.5	16
7	Solubility of the Aqueous Reciprocal Quaternary System Li^+ , Na^+ // CO_3^{2-} /SO ₄ ²⁻ -H ₂ O at 273.15 K. <i>Journal of Chemical & Engineering Data</i> , 2013 , 58, 455-459	2.8	9
6	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	2.8	18

5	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	2.8	14
4	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	2.8	17
3	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	2.8	16
2	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	2.8	31
1	Metastable Phase Equilibrium in the Aqueous Quaternary System ($\text{Li}_2\text{SO}_4 + \text{Na}_2\text{SO}_4 + \text{Li}_2\text{B}_4\text{O}_7 + \text{Na}_2\text{B}_4\text{O}_7 + \text{H}_2\text{O}$) at 273.15 K. <i>Journal of Chemical & Engineering Data</i> , 2011 , 56, 2569-2573	2.8	16