Weijia Huang

List of Publications by Year
in descending order

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20 papers	438 citations	840776 11 h-index	794594 19 g-index
20 all docs	20 docs citations	20 times ranked	445 citing authors

#	Article	IF	Citations
1	A review of imidazolium ionic liquids research and development towards working pair of absorption cycle. Renewable and Sustainable Energy Reviews, 2014, 37, 47-68.	16.4	175
2	Standard thermodynamic properties for the energy grade evaluation of fossil fuels and renewable fuels. Renewable Energy, 2020, 147, 2160-2170.	8.9	44
3	Solubilities of CO2 capture absorbents 2-ethoxyethyl ether, 2-butoxyethyl acetate and 2-(2-ethoxyethoxy)ethyl acetate. Fluid Phase Equilibria, 2014, 370, 1-7.	2.5	36
4	Vaporâ€“Liquid Equilibrium Measurements of NH₃ + H₂O + Ionic Liquid ([Dmim]Cl, [Dmim]BF₄, and [Dmim]DMP) Systems. Journal of Chemical & Engineering Data, 2013, 58, 1354-1360.	1.9	22
5	Vapor-Liquid Equilibrium Prediction of Ammonia-Ionic Liquid Working Pairs of Absorption Cycle Using UNIFAC Model. Chinese Journal of Chemical Engineering, 2014, 22, 72-78.	3.5	21
6	An Aprotic Polar Solvent, Diglyme, Combined with Monoethanolamine to Form CO₂ Capture Material: Solubility Measurement, Model Correlation, and Effect Evaluation. Industrial & Engineering Chemistry Research, 2015, 54, 3430-3437.	3.7	20
7	Hybrid physical-chemical absorption process for carbon capture with strategy of high-pressure absorption/medium-pressure desorption. Applied Energy, 2019, 239, 928-937.	10.1	17
8	Below the room temperature measurements of CO 2 solubilities in six physical absorbents. Journal of Chemical Thermodynamics, 2018, 122, 133-141.	2.0	16
9	Solubilities of CO2 capture absorbents methyl benzoate, ethyl hexanoate and methyl heptanoate. Journal of Chemical Thermodynamics, 2018, 127, 25-32.	2.0	16
10	Energy quality factor of materials conversion and energy quality reference system. Applied Energy, 2017, 185, 768-778.	10.1	15
11	Below the room temperature measurements of solubilities in ester absorbents for CO2 capture. Journal of Chemical Thermodynamics, 2018, 127, 71-79.	2.0	11
12	Solubilities of CO2 in, densities and kinematic viscosities of poly(propylene glycol) diglycidyl ether and poly(ethylene glycol) monooleate. Journal of Chemical Thermodynamics, 2019, 130, 38-46.	2.0	11
13	Solubility Measurement and Thermodynamic Properties Calculation for Several CO₂ + Ether Absorbent Systems. Journal of Chemical & Engineering Data, 2019, 64, 1020-1028.	1.9	9
14	Affinity regulation of the NH₃ + H₂O system by ionic liquids with molecular interaction analysis. Physical Chemistry Chemical Physics, 2017, 19, 16242-16250.	2.8	6
15	Synergetic effect and mechanism between propylene carbonate and polymer rich in ester and ether groups for CO2 physical absorption. Journal of Cleaner Production, 2022, 336, 130389.	9.3	6
16	Measurement and Correlation of Isothermal Vaporâ€“Liquid Equilibrium of Fluoroethane + Dimethyl Ether Triethylene Glycol, 1,1-Difluoroethane + Dimethyl Ether Triethylene Glycol, and 1,1-Difluoroethane + N-Methyl-2-pyrrolidone Systems. Journal of Chemical & Engineering Data, 2016, 61, 1146-1154.	1.9	5
17	Exergy-environment assessment for energy system: Distinguish the internal and total exergy loss, and modify the contribution of utility. Energy Conversion and Management, 2022, 251, 114975.	9.2	5
18	CO2 Solubility in Physicochemical Absorbent: Dibutyl Ether/N-Methylethanolamine/Ethanol. International Journal of Thermophysics, 2019, 40, 1.	2.1	2

#	Article	IF	Citations
19	Heat and mass transfer characteristic of vertical falling film generator with annular structure for ammonia-water system. Journal of Renewable and Sustainable Energy, 2019, 11, 064701.	2.0	1
20	Sync-measurement experimental study of (fluoroethane+dimethylether tetraethylene glycol), (fluoroethane+dimethylether triethylene glycol) and (fluoroethane+dimethylether diethylene glycol) systems. Journal of Chemical Thermodynamics, 2016, 98, 149-158.	2.0	0