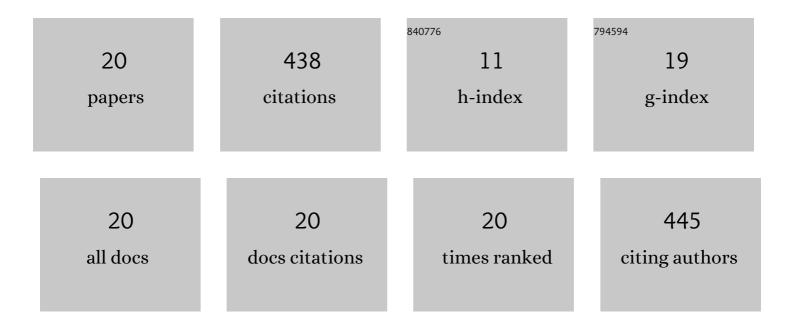
Weijia Huang

List of Publications by Year in descending order

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WEILLA HUANC

| # | 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 | Vapor–Liquid Equilibrium Measurements of NH ₃ + H ₂ O + Ionic Liquid ([Dmim]Cl, [Dmim]BF ₄ , 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 CO ₂ 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 CO ₂ + Ether Absorbent Systems. Journal of Chemical & Engineering Data, 2019, 64, 1020-1028. | 1.9 | 9 |
| 14 | Affinity regulation of the NH ₃ + H ₂ O 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 Vapor–Liquid Equilibrium of Fluoroethane + Dimethyl Ether Triethylene Glycol, 1,1-Difluoroethane + Dimethyl Ether Triethylene Glycol, and 1,1-Difluoroethane + <i>N</i> -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 |