

Weijia Huang

List of Publications by Year in descending order

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20
papers

438
citations

840776

11
h-index

794594

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all docs

20
docs citations

20
times ranked

445
citing authors

#	ARTICLE	IF	CITATIONS
1	Exergy-environment assessment for energy system: Distinguish the internal and total exergy loss, and modify the contribution of utility. <i>Energy Conversion and Management</i> , 2022, 251, 114975.	9.2	5
2	Synergetic effect and mechanism between propylene carbonate and polymer rich in ester and ether groups for CO ₂ physical absorption. <i>Journal of Cleaner Production</i> , 2022, 336, 130389.	9.3	6
3	Standard thermodynamic properties for the energy grade evaluation of fossil fuels and renewable fuels. <i>Renewable Energy</i> , 2020, 147, 2160-2170.	8.9	44
4	CO ₂ Solubility in Physicochemical Absorbent: Dibutyl Ether/N-Methylethanolamine/Ethanol. <i>International Journal of Thermophysics</i> , 2019, 40, 1.	2.1	2
5	Hybrid physical-chemical absorption process for carbon capture with strategy of high-pressure absorption/medium-pressure desorption. <i>Applied Energy</i> , 2019, 239, 928-937.	10.1	17
6	Solubility Measurement and Thermodynamic Properties Calculation for Several CO ₂ + Ether Absorbent Systems. <i>Journal of Chemical & Engineering Data</i> , 2019, 64, 1020-1028.	1.9	9
7	Heat and mass transfer characteristic of vertical falling film generator with annular structure for ammonia-water system. <i>Journal of Renewable and Sustainable Energy</i> , 2019, 11, 064701.	2.0	1
8	Solubilities of CO ₂ in, densities and kinematic viscosities of poly(propylene glycol) diglycidyl ether and poly(ethylene glycol) monooleate. <i>Journal of Chemical Thermodynamics</i> , 2019, 130, 38-46.	2.0	11
9	Below the room temperature measurements of CO ₂ solubilities in six physical absorbents. <i>Journal of Chemical Thermodynamics</i> , 2018, 122, 133-141.	2.0	16
10	Below the room temperature measurements of solubilities in ester absorbents for CO ₂ capture. <i>Journal of Chemical Thermodynamics</i> , 2018, 127, 71-79.	2.0	11
11	Solubilities of CO ₂ capture absorbents methyl benzoate, ethyl hexanoate and methyl heptanoate. <i>Journal of Chemical Thermodynamics</i> , 2018, 127, 25-32.	2.0	16
12	Affinity regulation of the NH ₃ + H ₂ O system by ionic liquids with molecular interaction analysis. <i>Physical Chemistry Chemical Physics</i> , 2017, 19, 16242-16250.	2.8	6
13	Energy quality factor of materials conversion and energy quality reference system. <i>Applied Energy</i> , 2017, 185, 768-778.	10.1	15
14	Sync-measurement experimental study of (fluoroethane+dimethylether tetraethylene glycol), (fluoroethane+dimethylether triethylene glycol) and (fluoroethane+dimethylether diethylene glycol) systems. <i>Journal of Chemical Thermodynamics</i> , 2016, 98, 149-158.	2.0	0
15	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 + N-Methyl-2-pyrrolidone Systems. <i>Journal of Chemical & Engineering Data</i> , 2016, 61, 1146-1154.	1.9	5
16	An Aprotic Polar Solvent, Diglyme, Combined with Monoethanolamine to Form CO ₂ Capture Material: Solubility Measurement, Model Correlation, and Effect Evaluation. <i>Industrial & Engineering Chemistry Research</i> , 2015, 54, 3430-3437.	3.7	20
17	Solubilities of CO ₂ capture absorbents 2-ethoxyethyl ether, 2-butoxyethyl acetate and 2-(2-ethoxyethoxy)ethyl acetate. <i>Fluid Phase Equilibria</i> , 2014, 370, 1-7.	2.5	36
18	Vapor-Liquid Equilibrium Prediction of Ammonia-Ionic Liquid Working Pairs of Absorption Cycle Using UNIFAC Model. <i>Chinese Journal of Chemical Engineering</i> , 2014, 22, 72-78.	3.5	21

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19	A review of imidazolium ionic liquids research and development towards working pair of absorption cycle. <i>Renewable and Sustainable Energy Reviews</i> , 2014, 37, 47-68.	16.4	175
20	Vapor-Liquid Equilibrium Measurements of $\text{NH}_3 + \text{H}_2\text{O} + \text{Ionic Liquid}$ ([Dmim]Cl, [Dmim]BF ₄ , and [Dmim]DMP) Systems. <i>Journal of Chemical & Engineering Data</i> , 2013, 58, 1354-1360.	1.9	22