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The Critical Region

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#	Paper	IF	Citations
26	Gas-Gas-Gleichgewichte. 1970 , 559-600		27
25	Phasenumwandlungen I. <i>Physik Journal</i> , 1974 , 30, 9-18		1
24	VAPOR PRESSURES. 1975 , 607-656		5
23	Gravity effects on the critical equilibria of a simple mixture. <i>Journal of Chemical Physics</i> , 1977 , 66, 4925-4937	3.7	6
22	Thermodynamic Modeling of Pseudoternary Phase Behavior. <i>Society of Petroleum Engineers Journal</i> , 1982 , 22, 945-961		17
21	Sedimentation of molecular solutions in the ultracentrifuge. <i>Journal of Colloid and Interface Science</i> , 1986 , 113, 269-287	9.3	7
20	Correlation of the thermal conductivity of saturated vapours. <i>Thermochimica Acta</i> , 1989 , 141, 113-124	2.9	2
19	Thermodynamic behavior of fluids in the supercritical region. <i>Journal of Supercritical Fluids</i> , 1991 , 4, 209-214	4.14	22
18	Thermodynamic properties of 1,1,1,2-tetrafluoroethane (R134a) in the critical region. <i>International Journal of Thermophysics</i> , 1991 , 12, 515-540	2.1	21
17	Conformal invariance in two-dimensional percolation. <i>Bulletin of the American Mathematical Society</i> , 1994 , 30, 1-62	1.3	123
16	The critical transition between the liquid and gaseous conditions of matter. <i>Endeavour</i> , 1995 , 19, 69-75	0.5	2
15	A New Model Incorporating Ion Dissociation for Sodium Chloride Solutions near the Critical Point of Water. <i>Industrial & Engineering Chemistry Research</i> , 2001 , 40, 2176-2182	3.9	13
14	Near-critical behavior of aqueous systems. 2004 , 29-71		35
13	Phase Equilibria in Fluid Mixtures at High Pressures. <i>Advances in Chemical Physics</i> , 2007 , 1-42		59
12	Critical exponents for solvent extraction resolved using SAXS. <i>Journal of Physical Chemistry B</i> , 2014 , 118, 315-22	3.4	21
11	Singularity analysis of global zircon U-Pb age series and implication of continental crust evolution. <i>Gondwana Research</i> , 2017 , 51, 51-63	5.1	14
10	Carbon Dioxide as the Mobile Phase. 2019 , 29-54		

9	Encountering Surprises in Thermophysics. <i>International Journal of Thermophysics</i> , 2020 , 41, 1	2.1	5
8	Survey of Heat Transfer to Near-Critical Fluids. 1995 , 197-237		6
7	Vapor Pressures. 1968 , 607-656		1
6	Mathematical Geosciences: Local Singularity Analysis of Nonlinear Earth Processes and Extreme Geo-Events. 2018 , 179-208		1
5	CRITICAL PHENOMENA IN A LOW GRAVITY ENVIRONMENT. 1978 , 495-506		2
4	Measurement of thermal diffusivity of ethanol from (293 to 564) K and up to 10 MPa in vicinity of the critical point. <i>Fluid Phase Equilibria</i> , 2021 , 552, 113276	2.5	0
3	Critical Phenomena: Static Aspects. 1971 , 717-793		
2	Use of the Bibliography. 1982 , 337-976		
1	Property Relations for Pure Fluids. 629-720		