

# Siyuan Cheng

## List of Publications by Year in descending order

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12  
papers

147  
citations

1477746

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h-index

1199166

12  
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all docs

12  
docs citations

12  
times ranked

55  
citing authors

#	ARTICLE	IF	CITATIONS
1	Enhancing cooling performance of NiTi elastocaloric tube refrigerant via internal grooving. Applied Thermal Engineering, 2022, 213, 118657.	3.0	37
2	A compact NiTi elastocaloric air cooler with low force bending actuation. Applied Thermal Engineering, 2022, 215, 118942.	3.0	21
3	Modelling of elastocaloric regenerators with enhanced heat transfer structures. International Journal of Heat and Mass Transfer, 2021, 176, 121372.	2.5	18
4	Viscosity Measurements of the $H_2$ - $CO_2$ , $H_2$ - $CO_2$ - $CH_4$ , and $H_2$ - $H_2O$ Mixtures and the $H_2$ - $CO_2$ - $CH_4$ - $CO$ - $H_2O$ System at 280-924 K and 0.7-33.1 MPa with a Capillary Apparatus. Journal of Chemical & Engineering Data, 2020, 65, 3834-3847.	1.0	16
5	Density Data of Two ( $H_2$ + $CO_2$ ) Mixtures and a ( $H_2$ +) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Pressures up to 25 MPa. Journal of Chemical & Engineering Data, 2019, 64, 1693-1704.	1.0	15
6	Density Measurements of the $H_2$ - $CO_2$ - $CH_4$ - $CO$ - $H_2O$ System by the Isochoric Method at 722-930 K and 15.4-30.3 MPa. Journal of Chemical & Engineering Data, 2019, 64, 4024-4036.	1.0	11
7	Thermal conductivity measurements of the $H_2/CO_2$ mixture using the short-hot-wire method at 323.15-620.05 K and 2.14-9.37 MPa. International Journal of Hydrogen Energy, 2020, 45, 31213-31224.	3.8	8
8	Experimental research on thermal transport properties of palladium-based amorphous alloys. Journal of Non-Crystalline Solids, 2017, 458, 157-161.	1.5	5
9	Experimental research on thermal transport properties of crystallized palladium-based alloys. Frontiers in Energy, 2018, 12, 121-126.	1.2	5
10	<i>PVT</i> Measurements of the $H_2$ - $CO_2$ - $CH_4$ - $CO$ - $H_2O$ System at 740-939 K and 18.1-34.7 MPa with an Isochoric Apparatus and the Development of a Virial Equation of State. Journal of Chemical & Engineering Data, 2020, 65, 4881-4891.	1.0	4
11	A Review of Experimental Researches on the Thermophysical Properties of Hydrogen-Containing Mixtures at High Temperatures and High Pressures. Journal of Chemical & Engineering Data, 2021, 66, 3361-3385.	1.0	4
12	Thermodynamic Calculations of the Critical Points of the $H_2$ - $CO_2$ - $CH_4$ - $CO$ - $H_2O$ System. International Journal of Thermophysics, 2020, 41, 1.	1.0	3