

# C Y Tso

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/6092485/publications.pdf>

Version: 2024-02-01

63  
papers

2,513  
citations

182225

30  
h-index

223390

49  
g-index

64  
all docs

64  
docs citations

64  
times ranked

2218  
citing authors

#	ARTICLE	IF	CITATIONS
1	Energy consumption modelling of a passive hybrid system for office buildings in different climates. <i>Energy</i> , 2022, 239, 121914.	4.5	14
2	A Solution-Processed Inorganic Emitter with High Spectral Selectivity for Efficient Subambient Radiative Cooling in Hot Humid Climates. <i>Advanced Materials</i> , 2022, 34, e2109350.	11.1	62
3	Study on the halide effect of MA4PbX6·2H2O hybrid perovskites – From thermochromic properties to practical deployment for smart windows. <i>Materials Today Physics</i> , 2022, 23, 100624.	2.9	13
4	Near-Infrared-Activated Thermochromic Perovskite Smart Windows. <i>Advanced Science</i> , 2022, 9, e2106090.	5.6	37
5	Droplet jumping physics on biphilic surfaces with different nanostructures and surface orientations under various air pressure conditions. <i>Cell Reports Physical Science</i> , 2022, 3, 100849.	2.8	6
6	Radiative Cooling Nanofabric for Personal Thermal Management. <i>ACS Applied Materials &amp; Interfaces</i> , 2022, 14, 23577-23587.	4.0	44
7	Thermal Rectification Enhancement of Coalescence-Jumping Phase Transition Thermal Diodes using Cu <sub>2</sub> O <sub>3</sub> Hybrid Nanofluids. <i>Advanced Engineering Materials</i> , 2022, 24, .	1.6	1
8	Copper-alumina hybrid nanofluid droplet phase change dynamics over heated plain copper and porous residue surfaces. <i>International Journal of Thermal Sciences</i> , 2022, 182, 107795.	2.6	0
9	Solution-Processed All-Ceramic Plasmonic Metamaterials for Efficient Solar-Thermal Conversion over 100 °C. <i>Advanced Materials</i> , 2021, 33, e2005074.	11.1	76
10	A review of state of the art thermal diodes and their potential applications. <i>International Journal of Heat and Mass Transfer</i> , 2021, 164, 120607.	2.5	69
11	Coalescence-Induced Jumping Droplets on Nanostructured Biphilic Surfaces with Contact Electrification Effects. <i>ACS Applied Materials &amp; Interfaces</i> , 2021, 13, 11470-11479.	4.0	12
12	Organic Hybrid Perovskite (MAPb <sub>3</sub> Cl <sub>x</sub> ) for Thermochromic Smart Window with Strong Optical Regulation Ability, Low Transition Temperature, and Narrow Hysteresis Width. <i>Advanced Functional Materials</i> , 2021, 31, 2010426.	7.8	50
13	Self-Densified Optically Transparent VO <sub>2</sub> Thermochromic Wood Film for Smart Windows. <i>ACS Applied Materials &amp; Interfaces</i> , 2021, 13, 22495-22504.	4.0	60
14	Thermochromic Smart Windows: Organic Hybrid Perovskite (MAPb <sub>3</sub> Cl <sub>x</sub> ) for Thermochromic Smart Window with Strong Optical Regulation Ability, Low Transition Temperature, and Narrow Hysteresis Width ( <i>Adv. Funct. Mater.</i> 26/2021). <i>Advanced Functional Materials</i> , 2021, 31, 2170186.	7.8	4
15	Biotechnology of Plastic Waste Degradation, Recycling, and Valorization: Current Advances and Future Perspectives. <i>ChemSusChem</i> , 2021, 14, 4103-4114.	3.6	34
16	Corrected radiative cooling power measured by equivalent dissipative thermal reservoir method. <i>International Journal of Heat and Mass Transfer</i> , 2021, 174, 121341.	2.5	7
17	Biotechnology of Plastic Waste Degradation, Recycling, and Valorization: Current Advances and Future Perspectives. <i>ChemSusChem</i> , 2021, 14, 3981-3981.	3.6	8
18	Bioinspired thermochromic transparent hydrogel wood with advanced optical regulation abilities and mechanical properties for windows. <i>Applied Energy</i> , 2021, 297, 117207.	5.1	36

#	ARTICLE	IF	CITATIONS
19	Potential building energy savings by passive strategies combining daytime radiative coolers and thermochromic smart windows. <i>Case Studies in Thermal Engineering</i> , 2021, 28, 101517.	2.8	21
20	Thermo-radiative energy conversion efficiency of a passive radiative fluid cooling system. <i>Renewable Energy</i> , 2021, 180, 700-711.	4.3	7
21	A flexible and scalable solution for daytime passive radiative cooling using polymer sheets. <i>Energy and Buildings</i> , 2021, 252, 111400.	3.1	22
22	Droplet Evaporation of Cu-Al <sub>2</sub> O <sub>3</sub> Hybrid Nanofluid Over Its Residue and Copper Surfaces: Toward Developing a New Analytical Model. <i>Journal of Heat Transfer</i> , 2021, 143, .	1.2	3
23	Field investigation of a photonic multi-layered TiO <sub>2</sub> passive radiative cooler in sub-tropical climate. <i>Renewable Energy</i> , 2020, 146, 44-55.	4.3	97
24	Daytime passive radiative cooling by ultra emissive bio-inspired polymeric surface. <i>Solar Energy Materials and Solar Cells</i> , 2020, 206, 110296.	3.0	115
25	Bio-inspired TiO <sub>2</sub> nano-cone antireflection layer for the optical performance improvement of VO <sub>2</sub> thermochromic smart windows. <i>Scientific Reports</i> , 2020, 10, 11376.	1.6	18
26	Heat transfer enhancement on tube surfaces with biphilic nanomorphology. <i>Applied Thermal Engineering</i> , 2020, 180, 115778.	3.0	17
27	Rapid thermal annealing assisted facile solution method for tungsten-doped vanadium dioxide thin films on glass substrate. <i>Journal of Alloys and Compounds</i> , 2020, 833, 155053.	2.8	26
28	Study of Coalescence-Induced Jumping Droplets on Biphilic Nanostructured Surfaces for Thermal Diodes in Thermal Energy Storage Systems. , 2020, , .		2
29	Chillers of air-conditioning systems: An overview. <i>HKIE Transactions</i> , 2020, 27, 113-127.	1.9	1
30	Perovskite thermochromic smart window: Advanced optical properties and low transition temperature. <i>Applied Energy</i> , 2019, 254, 113690.	5.1	86
31	A theoretical model for the effective thermal conductivity of graphene coated metal foams. <i>Applied Thermal Engineering</i> , 2019, 161, 114112.	3.0	16
32	Scalable all-ceramic nanofilms as highly efficient and thermally stable selective solar absorbers. <i>Nano Energy</i> , 2019, 64, 103947.	8.2	62
33	Energy consumption, indoor thermal comfort and air quality in a commercial office with retrofitted heat, ventilation and air conditioning (HVAC) system. <i>Energy and Buildings</i> , 2019, 201, 202-215.	3.1	120
34	Experimental and theoretical study of a water-vapor chamber thermal diode. <i>International Journal of Heat and Mass Transfer</i> , 2019, 138, 173-183.	2.5	26
35	A phase-change thermal diode using electrostatic-induced coalescing-jumping droplets. <i>International Journal of Heat and Mass Transfer</i> , 2019, 135, 294-304.	2.5	37
36	Electrostatic-induced coalescing-jumping droplets on nanostructured superhydrophobic surfaces. <i>International Journal of Heat and Mass Transfer</i> , 2019, 128, 550-561.	2.5	19

#	ARTICLE	IF	CITATIONS
37	On trade-off for dispersion stability and thermal transport of Cu-Al <sub>2</sub> O <sub>3</sub> hybrid nanofluid for various mixing ratios. <i>International Journal of Heat and Mass Transfer</i> , 2019, 132, 1200-1216.	2.5	66
38	Dataset on critical parameters of dispersion stability of Cu/Al <sub>2</sub> O <sub>3</sub> nanofluid and hybrid nanofluid for various ultra-sonication times. <i>Data in Brief</i> , 2019, 22, 863-865.	0.5	14
39	Enhancing the performance of a zeolite 13X/CaCl <sub>2</sub> water adsorption cooling system by improving adsorber design and operation sequence. <i>Energy and Buildings</i> , 2018, 158, 1368-1378.	3.1	37
40	Thermal management of lithium ion batteries using graphene coated nickel foam saturated with phase change materials. <i>International Journal of Thermal Sciences</i> , 2018, 124, 23-35.	2.6	191
41	Experimental investigation on composite adsorbent water pair for a solar-powered adsorption cooling system. <i>Applied Thermal Engineering</i> , 2018, 131, 649-659.	3.0	41
42	Performance investigation of nanostructured composite surfaces for use in adsorption cooling systems with a mass recovery cycle. <i>Science and Technology for the Built Environment</i> , 2018, 24, 1084-1103.	0.8	7
43	A numerical study of daytime passive radiative coolers for space cooling in buildings. <i>Building Simulation</i> , 2018, 11, 1011-1028.	3.0	43
44	Ultra-broadband asymmetric transmission metallic gratings for subtropical passive daytime radiative cooling. <i>Solar Energy Materials and Solar Cells</i> , 2018, 186, 330-339.	3.0	44
45	A field investigation of passive radiative cooling under Hong Kong's climate. <i>Renewable Energy</i> , 2017, 106, 52-61.	4.3	119
46	A field investigation of a solar-powered adsorption cooling system under Guangzhou's climate with various numbers of heat exchangers in the adsorbers. <i>Science and Technology for the Built Environment</i> , 2017, 23, 1282-1292.	0.8	6
47	Development of a phase change material (PCM)-based thermal switch. <i>HKIE Transactions</i> , 2017, 24, 107-112.	1.9	10
48	Study of jumping water droplets on superhydrophobic surfaces with electric fields. <i>International Journal of Heat and Mass Transfer</i> , 2017, 115, 672-681.	2.5	33
49	Study of residue patterns of aqueous nanofluid droplets with different particle sizes and concentrations on different substrates. <i>International Journal of Heat and Mass Transfer</i> , 2017, 105, 230-236.	2.5	41
50	Study of Electrostatic-Induced Jumping Droplets on Superhydrophobic Surfaces. , 2017, , .		1
51	Experimental investigation of a passive thermal management system for high-powered lithium ion batteries using nickel foam-paraffin composite. <i>Energy</i> , 2016, 115, 209-218.	4.5	151
52	Solid-state thermal diode with shape memory alloys. <i>International Journal of Heat and Mass Transfer</i> , 2016, 93, 605-611.	2.5	64
53	Exhaust Heat Powered Adsorption Air Conditioner for Automotive Applications. , 2015, , .		0
54	Study of enthalpy of evaporation, saturated vapor pressure and evaporation rate of aqueous nanofluids. <i>International Journal of Heat and Mass Transfer</i> , 2015, 84, 931-941.	2.5	57

#	ARTICLE	IF	CITATIONS
55	Experimental performance analysis on an adsorption cooling system using zeolite 13X/CaCl <sub>2</sub> adsorbent with various operation sequences. International Journal of Heat and Mass Transfer, 2015, 85, 343-355.	2.5	57
56	Experiment verified simulation study of the operating sequences on the performance of adsorption cooling system. Building Simulation, 2015, 8, 255-269.	3.0	10
57	Simulation Study of the Heat and Mass Recovery on the Performance of Adsorption Cooling Systems. , 2014, , .		0
58	Modeling a solar-powered double bed novel composite adsorbent (silica activated) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 622 Td (carbon	3.0	22
59	A semi-analytical model for the thermal conductivity of nanofluids and determination of the nanolayer thickness. International Journal of Heat and Mass Transfer, 2014, 70, 202-214.	2.5	61
60	Modeling a Novel Composite Adsorbent Based Adsorption Chiller Driven by Solar Energy. , 2013, , .		0
61	Activated carbon, silica-gel and calcium chloride composite adsorbents for energy efficient solar adsorption cooling and dehumidification systems. International Journal of Refrigeration, 2012, 35, 1626-1638.	1.8	145
62	Performance analysis of a waste heat driven activated carbon based composite adsorbent â€“ Water adsorption chiller using simulation model. International Journal of Heat and Mass Transfer, 2012, 55, 7596-7610.	2.5	64
63	Thermal Rectification Enhancement of Coalescenceâ€“Jumping Phase Transition Thermal Diodes using Cuâ€“Al <sub>2</sub> O <sub>3</sub> Hybrid Nanofluids. Advanced Engineering Materials, 0, , 2100958.	1.6	1