

CITATION REPORT

List of articles citing

A review of thermoelectric cooling: Materials, modeling and applications

DOI: 10.1016/j.applthermaleng.2014.01.074
Applied Thermal Engineering, 2014, 66, 15-24.

Source: <https://exaly.com/paper-pdf/58825100/citation-report.pdf>

Version: 2024-04-28

This report has been generated based on the citations recorded by exaly.com for the above article. For the latest version of this publication list, visit the link given above.

The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

#	Paper	IF	Citations
566	High-Performance Thermoelectric Generators for Field Deployments.		
565	Experimental Investigation on Thermoelectric Chiller Driven by Solar Cell. 2014 , 2014, 1-8		2
564	A review on thermoelectric cooling parameters and performance. 2014 , 38, 903-916		121
563	La _{1-x} Ca _x MnO ₃ semiconducting nanostructures: morphology and thermoelectric properties. 2014 , 9, 415		6
562	Hot Spot Cooling and Harvesting CPU Waste Heat Using Thermoelectric Modules. 2014 ,		3
561	Thermal characterization of micro thermoelectric coolers: an analytical study. 2014 , 547, 012007		2
560	Simulation of thermoelectric standard simplified model applied in a pressure cooker. 2015 ,		
559	High-temperature thermoelectric properties of Hg-doped CuInTe ₂ . 2015 , 118, 125105		12
558	Polymerkomposite für thermoelektrische Anwendungen. 2015 , 127, 1730-1743		9
557	An Analytical Development of the Hyperbolic Behaviour of Micro Thermoelectric Coolers. 2015 , 2015, 1-10		1
556	Structural and Thermophysical Studies of Composite Na-Cobaltite Electrospun Nanofibers. 2015 , 2015, 1-8		1
555	Parameter analysis and optimal design for two-stage thermoelectric cooler. <i>Applied Energy</i> , 2015 , 154, 1-12	10.7	45
554	Fabrication and reliability evaluation of Yb _{0.3} Co ₄ Sb ₁₂ /MoTi/MoCu/Ni thermoelectric joints. 2015 , 41, 7590-7595		22
553	Thermoelectric properties of Ni-doped CuInTe ₂ . 2015 , 83, 18-23		20
552	Concepts for medium-high to high temperature thermoelectric heat-to-electricity conversion: a review of selected materials and basic considerations of module design. 2015 , 2, 025001		77
551	Study on Thermal Conductance Allocation Ratio of Heat Sink of Thermoelectric Cooler for Electronic Device in Cold Region. 2015 , 75, 603-607		4
550	Theoretical and Experimental Investigations of Solar-Thermoelectric Air-Conditioning System for Remote Applications. 2015 , 7,		9

549 Review and Prospects: Application and Research of Heat Pumps in China. **2015,**

548 Polymer composites for thermoelectric applications. **2015, 54, 1710-23** 217

547 Heat-transfer improvements in an axial-flux permanent-magnet synchronous machine. *Applied Thermal Engineering*, **2015, 76, 245-251** 5.8 43

546 Synthesis and characterization of poly-Schiff bases with a donor-acceptor structure containing thiophene units as thermoelectric materials. **2015, 3, 2693-2701** 31

545 Theoretical and experimental analyses of solar-thermoelectric liquid-chiller system. **2015, 56, 126-139** 8

544 Selection of Thermoelectric Materials to Improve the Efficiency of SOFC Devices Through Cogeneration. **2015, 2, 858-864** 4

543 Engineering design of direct contact counter current moving bed heat exchangers. **2015, 142, 91-100** 6

542 Evaluation of the potential recovery of compressor heat losses to enhance the efficiency of refrigeration systems by means of thermoelectric generation. *Applied Thermal Engineering*, **2015, 89, 755-762** 5.8 21

541 Evaluation of a prototype active solar thermoelectric radiant wall system in winter conditions. *Applied Thermal Engineering*, **2015, 89, 36-43** 5.8 40

540 Modeling and simulation of thermoelectric device working as a heat pump and an electric generator under Mediterranean climate. **2015, 90, 1239-1250** 49

539 Size dependence of thermoelectric power of Au nanoclusters with rough and smooth surface deposited onto highly oriented pyrolytic graphite. **2015, 336, 359-363** 9

538 Performance analysis of a thermoelectric cooler with a corrugated architecture. *Applied Energy*, **2015, 147, 184-191** 10.7 34

537 Thermoelectrics. Dense dislocation arrays embedded in grain boundaries for high-performance bulk thermoelectrics. **2015, 348, 109-14** 1163

536 The practical performance forecast and analysis of thermoelectric module from macro to micro. **2015, 100, 23-29** 13

535 Effective material properties of thermoelectric composites with elliptical fibers. **2015, 119, 1081-1085** 18

534 Optimal pulse current shape for transient supercooling of thermoelectric cooler. **2015, 83, 788-796** 29

533 Study of a thermoelectric space cooling system integrated with phase change material. *Applied Thermal Engineering*, **2015, 86, 187-198** 5.8 63

532 Thermal comfort study of a building equipped with thermoelectric air duct system for tropical climate. *Applied Thermal Engineering*, **2015, 91, 1141-1155** 5.8 36

531	Dimensioning of peltier cooling system for laser applications in an electric cabinet. 2015,		
530	Influence of leg sizing and spacing on power generation and thermal stresses of thermoelectric devices. <i>Applied Energy</i> , 2015 , 159, 19-27	10.7	59
529	Computational study on a thermoelectric system used to dry out the hydrogen produced in an alkaline electrolyser. <i>Applied Thermal Engineering</i> , 2015 , 75, 984-993	5.8	1
528	Synthesis and Development of Thermoelectric Properties in Layered Bi ₂ A ₂ CoO ₆ . 2015 , 28, 1029-1034		4
527	A new strategy to construct thermoelectric composites of SWCNTs and poly-Schiff bases with 1,4-diazabuta-1,3-diene structures acting as bidentate-chelating units. 2016 , 4, 11299-11306		47
526	Digital temperature control project using Peltier modules to improve the maintenance of battery lifetime. 2016,		3
525	Heat sink design of Thermoelectric Module for cooling system. 2016,		2
524	Robust Control using Sliding Mode Approach for Ice-Clamping Device activated by Thermoelectric Coolers. 2016 , 49, 470-475		12
523	Modeling of a Smart Heat Pump Made of Laminated Thermoelectric and Electrocaloric Materials. 2016 , 138,		14
522	Numerical modeling and optimization of the segmented PbTeBiTe-based thermoelectric leg. 2016 , 120, 124503		3
521	Performance and reliability of commercially available thermoelectric cells for power generation. <i>Applied Thermal Engineering</i> , 2016 , 102, 548-556	5.8	21
520	Enhancement of maximum temperature drop across thermoelectric cooler through two-stage design and transient supercooling effect. <i>Applied Energy</i> , 2016 , 175, 285-292	10.7	48
519	A comparative study of different heat exchange systems in a thermoelectric refrigerator and their influence on the efficiency. <i>Applied Thermal Engineering</i> , 2016 , 103, 1289-1298	5.8	33
518	Clathrate thermoelectrics. 2016 , 108, 1-46		114
517	Thermoelectric Power Factor Enhancement by Spin-Polarized Currents A Nanowire Case Study. 2016 , 2, 1600058		11
516	Experimental investigation of a PCM-HP heat sink on its thermal performance and anti-thermal-shock capacity for high-power LEDs. <i>Applied Thermal Engineering</i> , 2016 , 108, 192-203	5.8	29
515	Peltier cells cooling system for switch mode power supply. 2016,		1
514	Power output and efficiency of a thermoelectric generator under temperature control. 2016 , 127, 404-415		45

513	Dynamic heat transfer modeling and parametric study of thermoelectric radiant cooling and heating panel system. 2016 , 124, 504-516	37
512	Performance analysis and assessment of thermoelectric micro cooler for electronic devices. 2016 , 124, 203-211	53
511	A review on nanostructures of high-temperature thermoelectric materials for waste heat recovery. 2016 , 64, 635-659	168
510	A study on thermoelectric technology application in net zero energy buildings. 2016 , 113, 9-24	45
509	Development of an exergoeconomic model for analysis and multi-objective optimization of a thermoelectric heat pump. 2016 , 130, 1-13	48
508	Acidity-Controlled Conducting Polymer Films for Organic Thermoelectric Devices with Horizontal and Vertical Architectures. 2016 , 6, 33795	17
507	Study of the economical feasibility and the performance of thermoelectric devices under different conditions: Power generation. 2016 ,	
506	Effects of temperature in the performance of the thermoelectric devices: Power generation. 2016 ,	
505	Modeling, experiments and optimization of an on-pipe thermoelectric generator. 2016 , 122, 298-309	31
504	Environmental Generation of Cold Air for Machining. 2016 , 40, 648-652	8
503	Water cooling radiator for solid state power supply in fast-axial-flow CO2 laser. 2016 , 9, 585-591	2
502	Impact of the film thickness and substrate on the thermopower measurement of thermoelectric films by the potential-Seebeck microprobe (PSM). <i>Applied Thermal Engineering</i> , 2016 , 107, 552-559	5.8 7
501	Thermoelectrical Management System for Stationary Outdoor Lithium-Ion Energy Storage. 2016 ,	3
500	Preparation and Characterization of Bi ₂ Te ₃ /Graphite/Polythiophene Thermoelectric Composites. 2016 , 45, 5246-5252	8
499	Fabrication of Miniature Thermoelectric Generators Using Bulk Materials. 2016 , 45, 3453-3459	1
498	Electrochemical Treatment for Effectively Tuning Thermoelectric Properties of Free-Standing Poly(3-methylthiophene) Films. 2016 , 17, 2256-62	21
497	Conducting polymer/carbon particle thermoelectric composites: Emerging green energy materials. 2016 , 124, 52-70	185
496	Not-in-kind cooling technologies: A quantitative comparison of refrigerants and system performance. 2016 , 62, 177-192	95

495	Advanced computational model for Peltier effect based refrigerators. <i>Applied Thermal Engineering</i> , 2016 , 95, 339-347	5.8	39
494	Thermal conductivity study of micrometer-thick thermoelectric films by using three-omega methods. <i>Applied Thermal Engineering</i> , 2016 , 98, 683-689	5.8	15
493	Thermoelectric Properties of TI-Doped SnSe: A Hint of Phononic Structure. 2016 , 45, 2943-2949		29
492	Optimization of a trapezoid-type two-stage Peltier couples for thermoelectric cooling applications. 2016 , 65, 103-110		21
491	In 2 O 3 -based multicomponent metal oxide films and their prospects for thermoelectric applications. 2016 , 52, 141-148		15
490	An investigation of heat recovery of submarine diesel engines for combined cooling, heating and power systems. 2016 , 108, 50-59		29
489	Modeling of the surface temperature field of a thermoelectric radiant ceiling panel system. <i>Applied Energy</i> , 2016 , 162, 675-686	10.7	39
488	Collaborative Simulated Annealing Genetic Algorithm for Geometric Optimization of Thermo-electric Coolers. 2016 , 155-183		
487	Numerical Computation and Analysis of the Numerical Scheme Order of the Two-Dimensional Temperature Field of Thermoelectric Coolers Cold Substrate. 2017 , 3, 91-106		
486	Microstructure and thermoelectric properties of Bi ₂ Te ₃ electrodeposits plated in nitric and hydrochloric acid baths. 2017 , 623, 90-97		12
485	Thermodynamic performance evaluation of transcritical carbon dioxide refrigeration cycle integrated with thermoelectric subcooler and expander. 2017 , 122, 787-800		59
484	Numerical and experimental investigation of thermoelectric cooling in down-hole measuring tools; a case study. 2017 , 10, 44-53		6
483	Elasto-thermoelectric beam formulation for modeling thermoelectric devices. 2017 , 129, 32-41		2
482	Structure evaluation of bismuth telluride (Bi ₂ Te ₃) nanoparticles with enhanced Seebeck coefficient and low thermal conductivity. 2017 , 1-9		4
481	Optimization of pulsed thermoelectric materials using simulated annealing and non-linear finite elements. <i>Applied Thermal Engineering</i> , 2017 , 120, 603-613	5.8	6
480	Improved approach for determining thin layer thermal conductivity using the 3 ω method. Application to porous Si thermal conductivity in the temperature range 77-300 K. 2017 , 50, 195302		5
479	Effective use of thermal energy at both hot and cold side of thermoelectric module for developing efficient thermoelectric water distillation system. 2017 , 133, 14-19		31
478	A review of regenerative heat exchange methods for various cooling technologies. 2017 , 69, 535-550		39

477	Three-dimensional fundamental solution of a penny-shaped crack in an infinite thermo-magneto-electro-elastic medium with transverse isotropy. 2017 , 130, 203-220		13
476	Effects of K substitution on thermoelectric and magnetic properties of Bi ₂ Sr ₂ Co ₂ O _y ceramic. 2017 , 28, 12652-12659		6
475	Thermoelectric cooling heating unit performance under real conditions. <i>Applied Energy</i> , 2017 , 200, 303-314	65	
474	Fabricate organic thermoelectric modules use modified PCBM and PEDOT:PSS materials. 2017 , 10, 117-123		21
473	Thermoelectric Materials. 2017 , 1-35		8
472	Optimization of Thermoelectric Cooling System for Application in CPU Cooler. 2017 , 105, 1644-1650		19
471	Optimization of electrically separated two-stage thermoelectric refrigeration systems using chemical reaction optimization algorithm. <i>Applied Thermal Engineering</i> , 2017 , 123, 514-526	5.8	19
470	Evaluating optimal cooling temperature of a single-stage thermoelectric cooler using thermodynamic second law. <i>Applied Thermal Engineering</i> , 2017 , 123, 845-851	5.8	36
469	Development and performance of sand fog seal with cooling and air purification effects. 2017 , 141, 608-618		15
468	Experimental performance investigation of minichannel water cooled-thermoelectric refrigerator. 2017 , 10, 54-62		33
467	Non-linear identification of a Peltier cell model using evolutionary multi-objective optimization * *This work was supported by the Ministerio de Economía y Competitividad (Spain) [grant number DPI2015-71443-R] and the Universidad Politécnica Salesiana (Ecuador) [CB-755-2015]. 2017 , 50, 4448-4453		5
466	Experimental investigation of a Peltier cells cooling system for a Switch-Mode Power Supply. 2017 , 79, 426-432		5
465	High-performance near-field electroluminescent refrigeration device consisting of a GaAs light emitting diode and a Si photovoltaic cell. 2017 , 122, 143104		43
464	Evaluation of thermal comfort in a test room equipped with a photovoltaic assisted thermo-electric air duct cooling system. 2017 , 42, 26956-26972		15
463	Functionalized Poly(3,4-ethylenedioxy bithiophene) Films for Tuning Electrochromic and Thermoelectric Properties. 2017 , 121, 9281-9290		22
462	A model based feedforward regulator improving PI control of an ice-clamping device activated by thermoelectric cooler. 2017 ,		3
461	Control of a two-thermoelectric-cooler system for ice-clamping application using Lyapunov based approach. 2017 ,		3
460	Enhanced thermoelectric properties of screen-printed Bi _{0.5} Sb _{1.5} Te ₃ and Bi ₂ Te _{2.7} Se _{0.3} thick films using a post annealing process with mechanical pressure. 2017 , 5, 8559-8565		33

459	Preparation and optimization of thermoelectric properties of Bi ₂ Te ₃ based alloys using the waste particles as raw materials from the cutting process of the zone melting crystal rods. 2017 , 111, 34-40		2
458	Stability and Elastic, Electronic, and Thermodynamic Properties of Fe ₂ TiSi _{1-x} Sn _x Compounds. 2017 , 46, 6038-6044		8
457	Variable Thermal Conductance Metamaterials for Passive or Active Thermal Management. 2017 ,		2
456	A comprehensive thermodynamic and exergoeconomic comparison between single- and two-stage thermoelectric cooler and heater. <i>Applied Thermal Engineering</i> , 2017 , 124, 756-766	5.8	35
455	Use of predictive information for Battery pack Thermal Management. 2017 ,		2
454	Enhanced Peltier cooling of two-stage thermoelectric cooler via pulse currents. 2017 , 114, 656-663		35
453	Optimization of a Localized Air Conditioning System Using Thermoelectric Coolers for Commercial Vehicles. 2017 , 46, 2990-2998		8
452	The optimization design and parametric study of thermoelectric radiant cooling and heating panel. <i>Applied Thermal Engineering</i> , 2017 , 112, 688-697	5.8	46
451	Dimensionless Model of a Thermoelectric Cooling Device Operating at Real Heat Transfer Conditions: Maximum Cooling Capacity Mode. 2017 , 46, 2737-2745		7
450	Analytical and numerical investigation on a new compact thermoelectric generator. 2017 , 132, 261-271		44
449	PID temperature controlling of thermoelectric based cool box. 2017 ,		1
448	Temperature Dependence of the Seebeck Coefficient in Zinc Oxide Thin Films. 2017 , 939, 012013		
447	Experimental analysis of a portable atmospheric water generator by thermoelectric cooling method. 2017 , 142, 1609-1614		25
446	Electro-Luminescent Refrigeration Enabled by Highly Efficient Photovoltaics. 2017 ,		
445	Conducting polymer-based thermoelectric composites: Principles, processing, and applications. 2017 , 169-195		4
444	Metaheuristic Techniques in Enhancing the Efficiency and Performance of Thermo-Electric Cooling Devices. 2017 , 10, 1703		27
443	Analysis, design and construction of electronic ice cuff for athletes. 2017 , 9, 220		1
442	Modeling of Thermal Equipment. 2017 , 147-296		1

441	Solar Electric Cooling Systems. 2017 , 315-346		3
440	Nanostructural thermoelectric materials and their performance. 2018 , 12, 97-108		15
439	Effective thermoelectric conversion properties of thermoelectric composites containing a crack/hole. 2018 , 191, 180-189		13
438	In situdeformation and mechanical properties of bismuth telluride prepared via zone melting. 2018 , 5, 035010		2
437	System-level Pareto frontiers for on-chip thermoelectric coolers. 2018 , 12, 109-120		3
436	Personal thermal management using portable thermoelectrics for potential building energy saving. <i>Applied Energy</i> , 2018 , 218, 282-291	10.7	58
435	Spin-dependent magneto-thermopower of narrow-gap lead chalcogenide quantum wells. 2018 , 8, 5972		4
434	Thermal and electrical conductivities of epoxy resin-based composites incorporated with carbon nanotubes and TiO ₂ for a thermoelectric application. 2018 , 124, 1		7
433	A multi input sliding mode control for Peltier Cells using a cold-hot sliding surface. 2018 , 355, 9351-9373		25
432	Liquid metal enabled combinatorial heat transfer science: toward unconventional extreme cooling. 2018 , 12, 259-275		25
431	Review: Recent advances in household refrigerator cycle technologies. <i>Applied Thermal Engineering</i> , 2018 , 132, 560-574	5.8	47
430	Electroluminescent refrigeration by ultra-efficient GaAs light-emitting diodes. 2018 , 123, 173104		29
429	Analysis of thermal performance of geophonic down-hole measuring tools; a numerical and experimental investigation. <i>Applied Thermal Engineering</i> , 2018 , 137, 504-512	5.8	0
428	A review on thermal management methods for robots. <i>Applied Thermal Engineering</i> , 2018 , 140, 799-813	5.8	28
427	Elastocaloric Cooling on the Miniature Scale: A Review on Materials and Device Engineering. 2018 , 6, 1588-1604		37
426	Thermal disturbances attenuation using a Lyapunov controller for an ice-clamping device actuated by thermoelectric coolers. 2018 , 6, 290-299		6
425	High thermoelectric performance in Bi _{0.46} Sb _{1.54} Te ₃ nanostructured with ZnTe. 2018 , 11, 1520-1535		155
424	Free-standing planar thermoelectric microrefrigerators based on nano-grained SiGe thin films for on-chip refrigeration. 2018 , 48, 202-210		16

423	Improving Miscibility of a Naphthalene Diimide-Bithiophene Copolymer with n-Type Dopants through the Incorporation of Kinked Monomers. 2018 , 4, 1700581		40
422	Robust Fractional-Order Compensation in the Presence of Uncertainty in a Pole/Zero of the Plant. 2018 , 26, 797-812		9
421	Performance comparison investigation on solar photovoltaic-thermoelectric generation and solar photovoltaic-thermoelectric cooling hybrid systems under different conditions. <i>International Journal of Sustainable Energy</i> , 2018 , 37, 533-548	2.7	10
420	A comprehensive review of solar thermoelectric cooling systems. 2018 , 42, 395-415		45
419	Free-standing planar thin-film thermoelectric microrefrigerators and the effects of thermal and electrical contact resistances. 2018 , 117, 436-446		27
418	Fiber-Based Thermoelectric Generators: Materials, Device Structures, Fabrication, Characterization, and Applications. 2018 , 8, 1700524		79
417	A numerical study on the performance of the thermoelectric module with different heat sink shapes. <i>Applied Thermal Engineering</i> , 2018 , 128, 1082-1094	5.8	24
416	Thermoelectric behavior of PEDOT:PSS/CNT/graphene composites. 2018 , 38, 381-389		9
415	Phase change materials (PCM) based cold source for selective freezing 3D printing of porous materials. 2018 , 95, 2145-2155		7
414	Study of different heat exchange technologies influence on the performance of thermoelectric generators. 2018 , 156, 167-177		64
413	Analysis of thermally induced delamination and buckling of thin-film thermoelectric generators made up of pn-junctions. 2018 , 149, 393-401		11
412	Chart for Thermoelectric Systems Operation Based on a Ternary Diagram for Bithermal Systems. 2018 , 20,		0
411	Design of Light-Emitting Diodes and Photovoltaic Cells for Electroluminescent Refrigeration. 2018 ,		
410	A Robot-Driven 3D Shape Measurement System for Automatic Quality Inspection of Thermal Objects on a Forging Production Line. 2018 , 18,		12
409	Cooling Performance of Thermoelectric Cooling (TEC) and Applications: A review. 2018 , 225, 03021		4
408	Experimental Assessment of the Temperature Control System for a Thermoelectric Refrigeration Unit. 2018 ,		2
407	Thermoelectric properties determination of multilayered semiconductor materials at harmonic single-frequency excitation of temperature field. 2018 , 5, 10371-10379		2
406	Optimization and experimentation of concentrating photovoltaic/cascaded thermoelectric generators hybrid system using spectral beam splitting technology. 2018 , 199, 052044		5

405	Prospective Use of Thermoelectric Device for PV Panel Cooling. 2018,	
404	Renewable Energy from Thermal: Electrical Power Generation in Ceramic and Tile Industry. 2018, 07,	1
403	Building-Integrated Thermoelectric Cooling-Photovoltaic (TEC-PV) Devices. 2018,	1
402	Effects of the influence factors in adhesive workpiece clamping with ice: experimental study and performance evaluation for industrial manufacturing applications. 2018, 99, 137-160	0
401	Performance Robustness of PID Controller in Buck Converter For Cooling System. 2018,	1
400	Transient Thermal-Electric Simulation and Experiment of Heat Transfer in Welding Tip for Reflow Soldering Process. 2018, 2018, 1-9	2
399	Study of a Thermoelectric Refrigerator through Circuit-based Models and Electro-thermal Analogy. 2018,	
398	Refrigeraci3n solar de edificaciones. Un estado del arte. 2018, 33, 115-126	3
397	Solar Thermionic-Thermoelectric Generator (ST2G): Concept, Materials Engineering, and Prototype Demonstration. 2018, 8, 1802310	47
396	Thermoelectric Refrigeration Principles. 2018,	1
395	Optimization of operational conditions for a thermoelectric refrigerator and its performance analysis at optimum conditions. 2018, 96, 70-77	13
394	A comprehensive review on a passive (phase change materials) and an active (thermoelectric cooler) battery thermal management system and their limitations. 2018, 401, 224-237	88
393	Computational Thermoelectricity Applied to Cooling Devices. 2018,	
392	Active daytime radiative cooling using spectrally selective surfaces for air conditioning and refrigeration systems. 2018, 174, 16-23	18
391	Design and Optimization of Thermoelectric Cooling System Under Natural Convection Condition. 2018, 10,	7
390	A Tunable Mid-Infrared Solid-State Laser with a Compact Thermal Control System. 2018, 8, 878	2
389	Enhanced Thermoelectric Performance of Conjugated Polymer/Single-Walled Carbon Nanotube Composites with Strong Stacking. 2018, 1, 5075-5082	16
388	Design Optimization of a Thermoelectric Cooling Module Using Finite Element Simulations. 2018, 47, 4845-4854	3

387	Thermal resistance matching for thermoelectric cooling systems. 2018 , 169, 186-193	32
386	Synthesis and Material Properties of Bi ₂ Se ₃ Nanostructures Deposited by SILAR. 2018 , 122, 12052-12060	13
385	Combination of a reduced order state observer and an Extended Kalman Filter for Peltier cells. 2018 ,	2
384	Semi-metals as potential thermoelectric materials. 2018 , 8, 9876	43
383	Analytic solutions of thermoelectric materials containing a circular hole with a straight crack. 2018 , 144, 731-738	11
382	Adaptive Thermal Conductivity Metamaterials: Enabling Active and Passive Thermal Control. 2018 , 10,	4
381	Lyapunov Control Strategy for Thermoelectric Cooler Activating an Ice-Clamping System. 2018 , 10,	5
380	Method for evaluating interfacial resistances of thermoelectric devices using I-V measurement. 2018 , 129, 281-287	4
379	Fracture mechanics analysis of delamination in a thermoelectric pn-junction sandwiched by an insulating layer. 2018 , 39, 1477-1484	
378	Thermoelectric Cooling-Aided Bead Geometry Regulation in Wire and Arc-Based Additive Manufacturing of Thin-Walled Structures. 2018 , 8, 207	42
377	Electrodeposition of p-Type Sb ₂ Te Films and Micro-Pillar Arrays in a Multi-Channel Glass Template. 2018 , 11,	4
376	In ₂ O ₃ -Based Thermoelectric Materials: The State of the Art and the Role of Surface State in the Improvement of the Efficiency of Thermoelectric Conversion. 2018 , 8, 14	18
375	Transient supercooling behaviors of a novel two-stage Peltier cooler. <i>Applied Thermal Engineering</i> , 2018 , 143, 248-256	5.8 11
374	Liquid Cooling of Laser-driven Head Light Employing Heat Spreader Manufactured by 3D Metal Printing. 2018 , 5, 295-301	7
373	Research on a radiant heating terminal integrated with a thermoelectric unit and flat heat pipe. 2018 , 172, 209-220	14
372	Drastic Improvement of Air Stability in an n-Type Doped Naphthalene-Diimide Polymer by Thionation. 2018 , 1, 4626-4634	26
371	A review of thermoelectric power generation systems: Roles of existing test rigs/ prototypes and their associated cooling units on output performance. 2018 , 174, 138-156	17
370	Advances in Liquid Metal Science and Technology in Chip Cooling and Thermal Management. 2018 , 187-300	26

369	Thickness effects on the microstructure and electrical/thermoelectric properties of co-evaporated Bi-Te thin films. 2018 , 767, 522-527		7
368	Experimental investigations on COPs of thermoelectric module frosting systems with various hot side cooling methods. <i>Applied Thermal Engineering</i> , 2018 , 144, 747-756	5.8	14
367	Thermal analysis and optimization of a system for water harvesting from humid air using thermoelectric coolers. 2018 , 174, 417-429		45
366	Design and evaluation of a micro combined cooling, heating, and power system based on polymer exchange membrane fuel cell and thermoelectric cooler. 2018 , 171, 507-517		41
365	Fabrication and excellent performances of Bi _{0.5} Sb _{1.5} Te ₃ /epoxy flexible thermoelectric cooling devices. 2018 , 50, 766-776		51
364	Thermoelectric properties and thermal tolerance of indium tin oxide nanowires. 2018 , 29, 364001		9
363	Safety life analysis under required failure credibility constraint for unsteady thermal structure with fuzzy input parameters. 2019 , 59, 43-59		20
362	Air source thermoelectric heat pump for simultaneous cold air delivery and hot water supply: Full modeling and performance evaluation. 2019 , 130, 968-981		21
361	Thermal Analysis and Improvements of the Power Battery Pack with Liquid Cooling for Electric Vehicles. 2019 , 12, 3045		8
360	Experimental study on transient supercooling of two-stage thermoelectric cooler. 2019 , 14, 100509		12
359	Creation of multisectional thermoelements for increasing of the efficiency of thermoelectric devices. 2019 ,		2
358	Thermoelectric cooler and thermoelectric generator devices: A review of present and potential applications, modeling and materials. 2019 , 186, 115849		155
357	A new configuration design of thermoelectric cooler driven by thermoelectric generator. <i>Applied Thermal Engineering</i> , 2019 , 160, 114087	5.8	21
356	Electric vehicle battery thermal management system with thermoelectric cooling. 2019 , 5, 822-827		95
355	Optimization of Two-Stage Combined Thermoelectric Devices by a Three-Dimensional Multi-Physics Model and Multi-Objective Genetic Algorithm. 2019 , 12, 2832		10
354	Experimental study on a novel flat-heat-pipe heating system integrated with phase change material and thermoelectric unit. 2019 , 189, 116181		14
353	Tuning the Electrical and Thermoelectric Properties of N Ion Implanted SrTiO Thin Films and Their Conduction Mechanisms. 2019 , 9, 14486		15
352	Thermal performance of a cylindrical battery module impregnated with PCM composite based on thermoelectric cooling. 2019 , 188, 116048		43

351	Experimental Study of Operating Conditions and Integration of Thermoelectric Materials in Facade Systems. 2019 , 7,		2
350	Performance indicators of photovoltaic heat-pumps. 2019 , 5, e02691		7
349	Thermal Management for Portable Electronics Using a Piezoelectric Micro-Blower. 2019 , 19, 563-567		4
348	Improved Alignment of PEDOT:PSS Induced by Crystallization of "Green" Dimethylsulfone Molecules to Enhance the Polymer Thermoelectric Performance. 2019 , 7, 783		23
347	Scalable Multi-nanostructured Silicon for Room-Temperature Thermoelectrics. 2019 , 2, 7083-7091		5
346	Life Cycle Assessment Of Cooling and Heating System Based on Peltier Module. 2019 , 290, 012067		1
345	Thermoelectric Intensifier of Heat Transfer between Two Moving Media with Different Temperatures. 2019 , 53, 869-871		
344	Thermoelectric cooling and heating system of increased efficiency. 2019 ,		
343	Thermoelectric Air-Conditioning System: Building Applications and Enhancement Techniques. 2019 , 27, 1930002		9
342	Predicting a thermal stimulator's heating/cooling rate for medical applications. <i>Applied Thermal Engineering</i> , 2019 , 163, 114376	5.8	2
341	Numerical analysis for transient supercooling effect of pulse current shapes on a two-stage thermoelectric cooler. <i>Applied Thermal Engineering</i> , 2019 , 163, 114416	5.8	11
340	Assessment of a Truck Localized Air Conditioning System with Thermoelectric Coolers. 2019 , 48, 5453-5463		2
339	Review on magnetic refrigeration devices based on HTSC materials. 2019 , 100, 1-12		24
338	Performance evaluation of a novel thermoelectric module with BiSbTeSe-based material. <i>Applied Energy</i> , 2019 , 238, 1299-1311	10.7	25
337	Qualitative analysis of coupling effect of fluid velocity distribution in microchannels on the performance of the LED water cooling system. 2019 , 29, 3893-3907		2
336	Thomson Power in the Model of Constant Transport Coefficients for Thermoelectric Elements. 2019 , 48, 5821-5826		4
335	Comprehensive calculations and prominent thermoelectric properties of Li ₃ P and Li ₃ As. 2019 , 383, 2802-2808		3
334	Response surface based experimental analysis and thermal resistance model of a thermoelectric power generation system. <i>Applied Thermal Engineering</i> , 2019 , 159, 113935	5.8	20

333	Improvement of Energy Efficiency and Control Performance of Cooling System Fan Applied to Industry 4.0 Data Center. 2019 , 8, 582		9
332	Theory and computation of electromagnetic fields and thermomechanical structure interaction for systems undergoing large deformations. 2019 , 394, 200-231		9
331	Performance study of thermoelectric cooler using multiphysics simulation and numerical modelling. 2019 , 1-7		3
330	Heterostructures in two-dimensional colloidal metal chalcogenides: Synthetic fundamentals and applications. 2019 , 12, 1750-1769		19
329	Exergy and improvement potential of hybrid photovoltaic thermal/thermoelectric (PVT/TE) air collector. 2019 , 111, 132-144		38
328	Theoretical Analysis of the Cooling Performance of a Thermoelectric Element with Temperature-Dependent Material Properties. 2019 , 48, 4627-4636		7
327	Thermal stress around an elliptic hole weakened by electric current in an infinite thermoelectric plate. 2019 , 14, 179-191		2
326	Performance Evaluation of Thermoelectric Refrigerator Based on Natural and Forced Mode of Cooling Processes. 2019 , 317-324		2
325	Thermoelectric polymer composite yarns and an energy harvesting wearable textile. 2019 , 28, 095006		14
324	Ultra-high performance wearable thermoelectric coolers with less materials. 2019 , 10, 1765		84
323	Entropy generation minimization of thermoelectric systems applied for electronic cooling: Parametric investigations and operation optimization. 2019 , 186, 401-414		24
322	A review to refrigeration with thermoelectric energy based on the Peltier effect. 2019 , 86, 9-18		7
321	Experimental study and Taguchi analysis on LED cooling by thermoelectric cooler integrated with microchannel heat sink. <i>Applied Energy</i> , 2019 , 242, 232-238	10.7	28
320	Improvements in the cooling capacity and the COP of a transcritical CO ₂ refrigeration plant operating with a thermoelectric subcooling system. <i>Applied Thermal Engineering</i> , 2019 , 155, 110-122	5.8	25
319	Comparative Analysis Between Water-Cooled and Air-Cooled Heat Dissipation in a High-Power Light-Emitting Diode Chipset. 2019 , 11,		3
318	One-Dimensional Nanostructure Engineering of Conducting Polymers for Thermoelectric Applications. 2019 , 9, 1422		14
317	The Thermoelectric Properties of Bismuth Telluride. 2019 , 5, 1800904		219
316	Active building envelope systems toward renewable and sustainable energy. 2019 , 104, 470-491		48

315	Microstructural evolution of laser-brazed joint of Mg ₂ Si and HMS on DBC substrate for thermoelectric generator. 2019 , 227, 352-357		4
314	Theoretical and Experimental Study on a Thermoelectric Generator Using Concentrated Solar Thermal Energy. 2019 , 48, 2876-2885		6
313	Evaluation of new possibilities of using thermoelectric generators in systems of renewable energy sources (RES). 2019 , 667, 012094		1
312	Peltier Thermoelectric Refrigeration System as the Future Cold Storage System for Indonesia: A Review. 2019 ,		
311	Application of Concurrent Heat Transfer within the Wellbore for Passively Enhancing Oil Recovery by Reducing Deposition of Heavy Components of Crude. 2019 ,		
310	Thermoelectric Simulation of a Microresistor Beam. 2019 ,		1
309	Cooling load and noise characterization modeling for photovoltaic driven building integrated thermoelectric cooling devices. 2019 , 128, 01019		2
308	Designing and Analyzing on Thermoelectric Cooler for Turbomolecular Pump Cooling Applications. 2019 ,		0
307	Ultralow cross-plane lattice thermal conductivity caused by Bi ₂ O ₃ /Bi ₂ O ₃ interfaces in natural superlattice-like single crystals. 2019 , 21, 6261-6268		2
306	Compact design of thermoelectric cooler and its performance analysis. 2019 ,		1
305	Characterization and Flexibility of a ThermoElectric Refrigeration Unit. 2019 ,		1
304	A novel hybrid photovoltaics/thermoelectric cooler distillation system. 2019 , 43, 791-805		17
303	Experimental investigations on the role of various heat sinks in developing an efficient combustion based micro power generator. <i>Applied Thermal Engineering</i> , 2019 , 148, 22-32	5.8	24
302	Effect of in-process active cooling on forming quality and efficiency of tandem GMAWBased additive manufacturing. 2019 , 101, 1349-1356		28
301	Thermoelectric cooling technology applied in the field of electronic devices: Updated review on the parametric investigations and model developments. <i>Applied Thermal Engineering</i> , 2019 , 148, 238-255	5.8	45
300	Analysis of inclusion in thermoelectric materials: The thermal stress field and the effect of inclusion on thermoelectric properties. 2019 , 166, 130-138		23
299	Investigating the Effect of Medium Liquid Layer Circulation on Temperature Distribution in a Thermoelectric Generator Heat Exchanger Assembly. 2019 , 141,		2
298	Thermoelectric Coolers (TECs): From Theory to Practice. 2019 , 48, 211-230		12

297	Experimental performances of a thermoelectric cooler box with thermoelectric position variations. 2019 , 22, 177-184		13
296	WITHDRAWN: Enclosure requirements. 2019 , 73		
295	COOLFACADE: State-of-the-art review and evaluation of solar cooling technologies on their potential for façade integration. 2019 , 101, 395-414		24
294	Review on battery thermal management system for electric vehicles. <i>Applied Thermal Engineering</i> , 2019 , 149, 192-212	5.8	321
293	Comparisons between heat pipe, thermoelectric system, and vapour compression refrigeration system for electronics cooling. <i>Applied Thermal Engineering</i> , 2019 , 146, 260-267	5.8	25
292	Enhanced thermoelectric properties of Sb ₂ Te ₃ and Bi ₂ Te ₃ films for flexible thermal sensors. 2019 , 774, 1102-1116		41
291	Mechanical properties of thermoelectric Mg ₂ Si using molecular dynamics simulations. 2019 , 26, 710-715		1
290	Thermoelectric performance of Cu-doped MoS ₂ layered nanosheets for low grade waste heat recovery. 2020 , 505, 144066		11
289	Utilization of leached MnO ₂ for the mechanosynthesis of nano La _x Ca _{1-x} MnO ₃ and La _x Sr _{1-x} MnO ₃ : Sinterability and properties. 2020 , 46, 3433-3442		4
288	Radiative sky cooling-assisted thermoelectric cooling system for building applications. 2020 , 190, 116322		33
287	Recent development and application of thin-film thermoelectric cooler. 2020 , 14, 492-503		12
286	Analysis of effect factors on thermoelectric generator using Taguchi method. 2020 , 149, 106992		16
285	Control of natural convection in a CNT-water nanofluid filled 3D cavity by using an inner T-shaped obstacle and thermoelectric cooler. 2020 , 169, 105104		29
284	Numerical simulation and experimental investigation of air cooling system using thermoelectric cooling system. 2020 , 139, 2553-2563		13
283	Low-Cost Energy-Efficient On-Chip Hotspot Targeted Microjet Cooling for High- Power Electronics. 2020 , 10, 577-589		6
282	Green Biocomposites for Thermoelectric Wearable Applications. 2020 , 30, 1907301		43
281	Process planning strategy for wire-arc additive manufacturing: Thermal behavior considerations. 2020 , 32, 100935		16
280	A review of the current automotive manufacturing practice from an energy perspective. <i>Applied Energy</i> , 2020 , 261, 114074	10.7	45

279	Performance enhancement investigation of thermoelectric cooler with segmented configuration. <i>Applied Thermal Engineering</i> , 2020 , 168, 114852	5.8	19
278	Research progress on power battery cooling technology for electric vehicles. <i>Journal of Energy Storage</i> , 2020 , 27, 101155	7.8	74
277	Thermoelectric transport and magnetoresistance of electrochemical deposited Bi ₂ Te ₃ films at micrometer thickness. 2020 , 46, 3339-3344		8
276	Review and Analysis of Key Techniques in Marine Sediment Sampling. 2020 , 33,		3
275	Active magnetocaloric heat pipes provide enhanced specific power of caloric refrigeration. 2020 , 3,		8
274	Experimental and Numerical Investigation of Single-Phase Forced Convection in Flat Plate Heat Exchanger with Different Numbers of Passes. 2020 , 45, 9769-9776		3
273	Caloric Micro-Cooling: Numerical modelling and parametric investigation. 2020 , 225, 113421		5
272	Analysis of thermo electric generators in automobile applications. 2020 , 45, 5835-5835		2
271	A Filament Supply System Capable of Remote Monitoring and Automatic Humidity Control for 3D Printer. 2020 , 2020, 1-10		3
270	Preliminary investigation on ultra-precision diamond turning of titanium alloys using thermoelectric cooler fixture. 2020 , 58, 187-192		2
269	Enhanced thermoelectric performance of F4-TCNQ doped FASnI ₃ thin films. 2020 , 8, 25431-25442		9
268	A study on thermoelectric performance and magnetic properties of Ti-doped Bi ₂ Sr ₂ Co _{1.8} O _y ceramic materials. 2020 , 256, 123701		3
267	Experimental investigation of the influence of thermoelectric subcooler on the performance of R134a refrigeration systems. <i>Applied Thermal Engineering</i> , 2020 , 180, 115829	5.8	5
266	Electron-Transparent Thermoelectric Coolers Demonstrated with Nanoparticle and Condensation Thermometry. 2020 , 14, 11510-11517		4
265	Effect of Deposition Power on the Thermoelectric Performance of Bismuth Telluride Prepared by RF Sputtering. 2020 , 10, 552		0
264	Performance analysis of bismuth-antimony-telluride-selenium alloy-based trapezoidal-shaped thermoelectric pallet for a cooling application. 2020 , 222, 113245		9
263	Thermoregulation of Smart Clothing based on Peltier Elements. 2020 ,		0
262	Effect of deposition time on photoelectrochemical performance of chemically grown Bi ₂ Se ₃ -sensitized TiO ₂ nanostructure solar cells. 2020 , 31, 17440-17450		5

261	Numerical Simulation and Structural Optimization of Multi-Stage Planar Thermoelectric Coolers. 2020 , 217, 2000248		2
260	Experimental study of the effects of input voltage on the transient temperature behaviors of thermoelectric mini-cold storage. 2020 ,		0
259	Evaluation of the energy driving performance of a cooling system assembled with a Peltier module operated in hot climates at different electrical currents. 2020 , 958, 012009		
258	Effect of Porous Medium and Copper Heat Sink on Cooling of Heat-Generating Element. 2020 , 13, 2538		7
257	Study of Thermoelectric Modules with Self-Powered Tunable Thermal Resistance for Thermal Management and Energy Conservation. 2020 , 49, 4741-4753		2
256	Solar Energy Harvesting using Candle-Soot-Coated Thermoelectric Materials. 2020 , 4, 1900080		4
255	Experimental modeling and aggregation strategy for thermoelectric refrigeration units as flexible loads. <i>Applied Energy</i> , 2020 , 272, 115065	10.7	6
254	A Comprehensive Study on X-Type Thermoelectric Generator Modules. 2020 , 49, 4343-4354		9
253	Performance analysis of the sky radiative and thermoelectric hybrid cooling system. 2020 , 200, 117516		9
252	Enhanced cooling by applying the radiative sky cooler to both ends of the thermoelectric cooler. 2020 , 212, 112785		3
251	The comprehensive first-principle study of the thermoelectric performance of p- and n-type SnS. 2020 , 24, 101167		2
250	A comprehensive review of future thermal management systems for battery-electrified vehicles. <i>Journal of Energy Storage</i> , 2020 , 31, 101551	7.8	63
249	Contributions of chemical potential to the diffusive Seebeck coefficient for bulk semiconductor materials. 2020 , 135, 1		2
248	Emerging Materials and Strategies for Personal Thermal Management. 2020 , 10, 1903921		115
247	Thermal management of high-power LED based on thermoelectric cooler and nanofluid-cooled microchannel heat sink. <i>Applied Thermal Engineering</i> , 2020 , 172, 115165	5.8	26
246	OpenTCC: An open source low-cost temperature-control chamber.. 2020 , 7, e00099		9
245	2D PC as a promising thermoelectric material. 2020 , 22, 8625-8632		9
244	A Comprehensive Review of Strategies and Approaches for Enhancing the Performance of Thermoelectric Module. 2020 , 13, 3142		16

243	Thermal TSV Optimization and Hierarchical Floorplanning for 3-D Integrated Circuits. 2020 , 10, 599-610	12
242	A novel hybrid and interactive solar system consists of Stirling engine vacuum evaporator thermoelectric cooler for electricity generation and water distillation. 2020 , 153, 1053-1066	17
241	Performance analysis of the thermoelectric device as the internal heat exchanger of the trans-critical carbon dioxide cycle. 2020 , 208, 112585	8
240	Performance and life cycle analysis of a novel portable solar thermoelectric refrigerator. 2020 , 19, 100599	13
239	Experimental and Simulation Studies on Thermoelectric Cooler: A Performance Study Approach. 2020 , 41, 1	9
238	Electronic structure and thermoelectric properties of CoAsSb with post-DFT approaches. 2020 , 126, 1	1
237	High-Performance Thermoelectric Generators for Field Deployments. 2020 , 12, 10389-10401	13
236	Effects of thermal and electrical contact resistances on the performance of a multi-couple thermoelectric cooler with non-ideal heat dissipation. <i>Applied Thermal Engineering</i> , 2020 , 169, 114933	5.8 6
235	Experimental Study and Performance Analysis of a Portable Atmospheric Water Generator. 2020 , 13, 73	14
234	Solar energy harvesting potential of a photovoltaic-thermoelectric cooling and power generation system: Bidirectional modeling and performance optimization. 2020 , 254, 120150	18
233	A PV-Powered TE Cooling System with Heat Recovery: Energy Balance and Environmental Impact Indicators. 2020 , 13, 1701	3
232	Thermionic junction devices utilizing phonon blocking. 2020 , 6, eaax9191	5
231	Wearable and flexible thin film thermoelectric module for multi-scale energy harvesting. 2020 , 455, 227983	33
230	Numerical analysis of combined air-cooled fuel cell waste heat and thermoelectric heating method for enhanced water heating. 2020 , 213, 112840	7
229	Experimental and numerical investigation on thermoelectric coolers for comparing air-to-water to air-to-air refrigerators. 2021 , 144, 855-868	7
228	Numerical analysis for performance enhancement of thermoelectric generator modules by using CNT/water and hybrid Ag/MgO/water nanofluids. 2021 , 143, 1611-1621	4
227	Power generation characteristics of a thermoelectric modules-based power generator assisted by fishbone-shaped fins: Part I Effects of hot inlet gas parameters. 2021 , 43, 588-599	9
226	Power generation characteristics of a thermoelectric modules-based power generator assisted by fishbone-shaped fins: Part II Effects of cooling water parameters. 2021 , 43, 381-393	18

225	Thermal, environmental, and cost analysis of effective solar portable vaccine refrigerator by COMSOL Multiphysics. 2021 , 50, 179-195	2
224	Thermal transport of boron pyrochlore lattices. 2021 , 164, 120483	1
223	Development of a novel vapor compression refrigeration system (VCRS) for permafrost cooling. 2021 , 181, 103173	3
222	Experimental investigation on controlled cooling by coupling of thermoelectric and an air impinging jet for CPU. 2021 , 50, 2242-2258	3
221	Creep behavior and post-creep thermoelectric performance of the n-type Skutterudite alloy Yb _{0.3} Co ₄ Sb ₁₂ . 2021 , 7, 89-97	2
220	State of the art in composition, fabrication, characterization, and modeling methods of cement-based thermoelectric materials for low-temperature applications. 2021 , 137, 110361	11
219	Enhanced thermoelectric properties of screen-printed Bi ₂ Sb ₂ Te films on flexible substrate by electrical sintering process. 2021 , 259, 124006	3
218	Developing a novel solar-driven cool pavement to improve the urban microclimate. 2021 , 64, 102554	7
217	Thermoelectric cooling materials. 2021 , 20, 454-461	97
216	Direct and indirect measurement of large electrocaloric effect in B ₂ O ₃ -ZnO glass modified Ba _{0.65} Sr _{0.35} TiO ₃ bulk ceramics. 2021 , 193, 59-63	9
215	Sustainable Development for Energy, Power, and Propulsion. 2021 ,	
214	Experimental investigation on the performance parameters of a helical coil dehumidifier test rig. 2021 , 43, 35-53	9
213	A Review of Recent Advances in Emerging Alternative Heating and Cooling Technologies. 2021 , 14, 502	4
212	Printed flexible thermoelectric materials and devices. 2021 , 9, 19439-19464	6
211	Solar based polio-drop box system with Peltier effect technology: A review. 2021 , 46, 10569-10574	
210	Experimental Parameter Tuning of a Portable Water Generator System Based on a Thermoelectric Cooler. 2021 , 10, 141	2
209	Impact of NCFET Technology on Eliminating the Cooling Cost and Boosting the Efficiency of Google TPU. 2021 , 1-1	1
208	Signal and Noise Analysis of an Open-Circuit Voltage Pixel for Uncooled Infrared Image Sensors. 2021 , 1-14	2

207	Effect of temperature mismatch on the life cycle of thermoelectric generator efficiency for waste heat recovery. 2021 , 335, 03010	
206	Solar cooling research and technology. 2021 , 1-44	0
205	Study on summer thermal performance of a solar ventilated window integrated with thermoelectric air-cooling system. 2021 , 12, 419-432	2
204	Approximate formulae for thermal resistance matching of thermoelectric coolers operating at room temperature. 2021 , 23, 100799	5
203	Cooling property and application of AuBi ₂ Te ₃ heterojunction nanowire array based on AAO template. 2021 , 56, 10892-10904	
202	Advanced Thermoelectric Materials for Flexible Cooling Application. 2021 , 31, 2010695	12
201	Optimization of thermoelectric modules for maximum cooling capacity. 2021 , 114, 103241	5
200	First-principles study of anisotropic thermoelectric properties of hexagonal KBaBi. 2021 , 296, 121961	2
199	Evaluation on the applicability of thermoelectric air cooling systems for buildings with thermoelectric material optimization. 2021 , 221, 119723	7
198	Versatile Seebeck and electrical resistivity measurement setup for thin films. 2021 , 92, 043904	1
197	Patent landscape of not-in-kind active cooling technologies between 1998 and 2017. 2021 , 296, 126507	3
196	Experimental Characterization of a Novel Configuration of Thermoelectric Refrigerator with Integrated Finned Heat Pipes. 2021 , 131, 157-157	2
195	Recycling fuel cell waste heat to the thermoelectric cooler for enhanced combined heat, power and water production. 2021 , 223, 119922	2
194	Prototype of an air to air thermoelectric heat pump integrated with a double flux mechanical ventilation system for passive houses. <i>Applied Thermal Engineering</i> , 2021 , 190, 116801	5.8 4
193	Thermoelectric Materials for Textile Applications. 2021 , 26,	4
192	Self-Driven Reverse Thermal Engines Under Monotonous and Oscillatory Optimal Operation. 2021 , 46, 291-319	5
191	Mathematical design and performance investigation of evaporator water cooled storage-cum-mobile thermoelectric refrigerator for preservation of fruits and vegetables. 2021 , 44, e13770	0
190	Advances in organic thermoelectric materials and devices for smart applications.	13

189	Performance evaluation of a novel building envelope integrated with thermoelectric cooler and radiative sky cooler. 2021 , 171, 1061-1078		8
188	Experimental investigation of thermoelectric cooling for a new battery pack design in a copper holder. 2021 , 10, 100214		11
187	Breaking the tradeoff among thermoelectric parameters by multi composite of porosity and CNT in AZO films. 2021 , 225, 120320		4
186	Surface Temperature Distribution on Aluminum Hollow Heated Using Two Pairs of Thermoelectric. 2021 , 1951, 012031		
185	Mechanosynthesis and Thermoelectric Properties of Fe, Zn, and Cd-Doped P-Type Tetrahedrite: CuMSbS. 2021 , 14,		1
184	Micromechanics-based theoretical prediction for thermoelectric properties of anisotropic composites and porous media. 2021 , 165, 106918		2
183	Multi-objective approach for the performance and economic optimization of the two TED sub-cooled trans-critical carbon dioxide cycle. 2021 , 127, 89-100		2
182	Effective behaviors of anisotropic thermoelectric composites containing ellipsoidal inclusions. 2021 , 267, 113817		3
181	Experimental investigation of the thermal performance of a novel split-type liquid-circulation thermoelectric cooling device. <i>Applied Thermal Engineering</i> , 2021 , 194, 117090	5.8	4
180	Design, Building and Study of a Small-size Portable Thermoelectric Refrigerator for Vaccines. 2021 ,		
179	Phase-change material-integrated thermoelectric radiant panel: Experimental performance analysis and system design. <i>Applied Thermal Engineering</i> , 2021 , 194, 117082	5.8	2
178	Advances in atmospheric water generation technologies. 2021 , 239, 114226		11
177	Design and Optimization of Flexible Thermoelectric Coolers for Wearable Applications. 2021 , 10, 081006		1
176	Materials and Devices for On-Chip and Off-Chip Peltier Cooling: A Review. 2021 , 11, 1267-1281		2
175	Enhanced Modeling and Experimental Verification of a ThermoElectric Refrigerator Unit Considering the Door Opening Effect. 2021 ,		
174	Thermoelectric building temperature control: a potential assessment. 1		2
173	Material pairing and selection considerations for thermoelectric cooling devices with components dissimilar to Bi ₂ Te ₃ based alloys. 2021 , 20, 100457		5
172	Numerical modeling of a new integrated PV-TE cooling system and support. 2021 , 11, 100240		0

171	Correlation of Thermoelectric Performance, Domain Morphology and Doping Level in PEDOT:PSS Thin Films Post-Treated with Ionic Liquids. 2021 , 42, e2100397		0
170	Energy efficiency and transient-steady state performance comparison of a resistance infant incubator and an improved thermoelectric infant incubator. 2021 , 31, 101055-101055		0
169	Performance analysis of thermoelectric generator mounted chaotic channel by using non-Newtonian nanofluid and modeling with efficient computational methods. 2021 ,		3
168	Personal thermal management techniques for thermal comfort and building energy saving. 2021 , 20, 100465		11
167	Supercooling in a new two-stage thermoelectric cooler design with phase change material and Thomson effect. 2021 , 243, 114355		4
166	Integration of radiative sky cooling to the photovoltaic and thermoelectric system for improved space cooling. <i>Applied Thermal Engineering</i> , 2021 , 196, 117230	5.8	5
165	Gated silicon nanowire for thermo-electric power generation and temperature sensing.		
164	Solar-Powered Thermoelectric-Based Cooling and Heating System for Building Applications: A Parametric Study. 2021 , 14, 5573		2
163	Characteristics Analysis of Small Insulated Vans Based on Thermoelectric Cooling. 2021 , 9,		0
162	Investigation of Parameters Affecting the Efficiency of Thermoelectric Refrigerator. 2021 , 2013, 012023		
161	CFD Simulation of Dehumidification of Air in Humidification-Dehumidification based Water Desalination System. 1		
160	Scalable fabrication of cross-plane thin-film thermoelectric generators on organic substrates. 2021 , 734, 138850		0
159	Thermoelectric Power Generators: State-of-the-Art, Heat Recovery Method, and Challenges. 2021 , 2, 359-386		3
158	Study on the performance of a solid-state thermoelectric refrigeration system equipped with ionic wind fans for ultra-quiet operation. 2021 , 130, 441-451		0
157	Analytical model-based optimization of the thermoelectric cooler with temperature-dependent materials under different operating conditions. <i>Applied Energy</i> , 2021 , 299, 117340	10.7	5
156	Continuous contact problem of thermoelectric layer pressed by rigid punch. 2021 , 100, 536-548		0
155	Critical behavior of relaxor Pb _{0.91} La _{0.09} Zr _{0.65} Ti _{0.35} O ₃ : Interplay between polar nano regions, electrocaloric and energy storage response. 2021 , 884, 161067		3
154	Development and applications of thermoelectric based dehumidifiers. 2021 , 252, 111446		2

153	Solar assisted thermoelectric cooling/heating system for vehicle cabin during parking: A numerical study. 2022 , 181, 384-403		2
152	Thermal transport by phonons in thermoelectrics. 2021 , 23-42		
151	Solar Heating and Cooling Systems. 2021 , 329-445		
150	Thermal Analysis and Performance Evaluation of Peltier Module. 2019 , 173-184		1
149	Comprehensive modeling for optimized design of a thermoelectric cooler with non-constant cross-section: Theoretical considerations. <i>Applied Thermal Engineering</i> , 2020 , 176, 115384	5.8	18
148	Energy-efficient thermoelectric unit for microclimate control on cattlebreeding premises. 2020 , 6, 293-305		5
147	Experimental investigation of the thermoelectric cooling with vacuum wall system. 2020 , 6, 1244-1248		2
146	Heat transfer performance of water-based electrospray cooling. 2020 , 118, 104861		9
145	Thermoelectric properties and low thermal conductivity of nanocomposite ZrTe ₅ under magnetic field. 2020 , 840, 155651		2
144	Large barocaloric effects in thermoelectric superionic materials. 2020 , 4,		9
143	Hot Spot Cooling and Harvesting Central Processing Unit Waste Heat Using Thermoelectric Modules. 2015 , 137,		5
142	Liquid Flow Forced Convection in Rectangular Microchannels With Nonuniform Heating: Toward Analytical Modeling of Hotspots. 2020 , 142,		2
141	The Potential of Solar Thermoelectric Generator STEG for Implantation in the Adrar Region. 2020 , 2, 17-27		2
140	Building Integrated Thermoelectric Air Conditioners—A Potentially Fully Environmentally Friendly Solution in Building Services. 2019 , 5,		7
139	Evaluation on the Thermoelectric Cooling Ability of PbTe. 2021 , 4, 11813-11818		0
138	Significant enhancement of electrical conductivity by incorporating carbon fiber into CoSb ₃ thermoelectric skutterudite fabricated by spark plasma sintering method. 2021 , 56, 20138		0
137	Optimal flow layout and current allocation for improving the thermoelectric refrigeration system based on heat current method.		3
136	Development of an effective TE cooler box for food storage. 2021 , 28, 101564		0

- 135 Geometric Optimization of Thermo-Electric Coolers Using Hybrid Simulated Annealing Evolutionary Algorithm. **2016**, 412-415
- 134 Comparative studies on constructal optimizations of discrete heat generation components based on entransy dissipation minimization and maximum temperature minimization. **2017**, 66, 204401 0
- 133 Packaging for Laser-Based White Lighting: Status and Perspectives. **2020**, 142, 11
- 132 Economic Feasibility of Application Semiconductor Heat Pumps. **2020**, 63-66
- 131 Thermal Mode of Floor Power Plants in the Areas of Keeping Young Piglets. **2021**, 3, 15-20
- 130 Installation with a Temperature-Controlled Panel for Piglets. **2021**, 3, 21-28 1
- 129 Numerical and Experimental Investigation of a Thermoelectric-Based Radiant Ceiling Panel with Phase Change Material for Building Cooling Applications. **2021**, 13, 11936
- 128 Adaptive PD Controller Performance for Direct Cooling of Thermoelectric Refrigerator. 932, 012063
- 127 The mechanism of the effect of V doping on the thermoelectric properties of ZnO ceramics. **2022**, 305, 122645 1
- 126 Man-portable cooling garment with cold liquid circulation based on thermoelectric refrigeration. *Applied Thermal Engineering*, **2022**, 200, 117730 5.8 1
- 125 Feasibility demonstration of effective geometry local heat load radiator. **2020**, 0
- 124 Experimental Contribution to the Design of a Microprocessor Cooling System by Thermoelectric Module. **2020**, 19-25
- 123 Research Background and Current Situation. **2020**, 1-26
- 122 Exceptionally High Power Factor Ag₂Se/Se/Polypyrrole Composite Films for Flexible Thermoelectric Generators. 2106902 7
- 121 Experimental and Numerical Studies on Combustion-Based Small-Scale Power Generators. **2021**, 221-247
- 120 Theoretical study on the change of thermoelectric properties by substitution of group 4 elements in Fe₂TiSn. **2021**, 35, 2150047 1
- 119 Thermoelectric Installation for Dehumidification and Heating of Air in Livestock Premises. **2020**, 17-24 1
- 118 Design and development of Air to Water Generator for the Village in Kerala, India. **2021**, 0

117	Cascaded Kalman Filters for a Sliding Mode Control in a Peltier Structure for an Innovative Manufacturing System. 2021 ,		
116	Wearable Ultrahigh Current Power Source Based on Giant Magnetoelastic Effect in Soft Elastomer System. 2021 ,		13
115	Annual energy performance of a thermoelectric heat pump combined with a heat recover unit to HVAC one passive house dwelling. <i>Applied Thermal Engineering</i> , 2021 , 117832	5.8	1
114	Model Predictive Control-Based Thermoelectric Cooling for Rough Terrain Rescue Robots. 2021 , 9, 167652-167662		
113	Thermoelectric Coolers: Progress, Challenges, and Opportunities.. 2022 , e2101235		11
112	Oriented thermal conductive and dimensionally stable phase change composite for hot-side thermal management of thermoelectric coolers. 2022 , 252, 115078		1
111	An innovated method to monitor the health condition of the thermoelectric cooling system using nanocomposite-based CNTs.		
110	The Development and Application of a Novel Apparatus for the Freezing Point Test of Soil. 2022 , 45, 20210002		
109	Optimal combination of an air-to-air thermoelectric heat pump with a heat recovery system to HVAC a passive house dwelling. <i>Applied Energy</i> , 2022 , 309, 118443	10.7	4
108	Spectroscopy and Structural Investigation of Iron Phosphorus Trisulfide. 2022 , 3, 2102489		2
107	Updates in Phase Change Materials for Thermoelectric Devices: Status and Challenges. 2022 , 21, 101357		0
106	Advanced thermal management system driven by phase change materials for power lithium-ion batteries: A review. 2022 , 159, 112207		5
105	Temperature-adaptive radiative coating for all-season household thermal regulation.. 2021 , 374, 1504-1509		43
104	Performance Analysis and Optimization of the Rough-Contact Bi ₂ Te ₃ -Based Thermoelectric Cooler Via Metallized Layers. <i>SSRN Electronic Journal</i> ,		1
103	Durable, stretchable and washable inorganic-based woven thermoelectric textiles for power generation and solid-state cooling.		5
102	Research on the Influence and Error of Cooling Effect Based on Thermoelectric Liquid Cooling Garment. <i>SSRN Electronic Journal</i> ,		1
101	Wearable power generation via thermoelectric textile. 2022 , 41-62		
100	Thermodynamic Analysis and Experimental Research of Water-Cooled Small Space Thermoelectric Air-Conditioner. 2022 , 31, 390-406		6

99	High thermoelectric properties with low thermal conductivity due to the porous structure induced by the dendritic branching in n-type PbS. 1	0
98	A Model to Evaluate the Device-Level Performance of Thermoelectric Cooler with Thomson Effect Considered. 1	
97	Separate sensible and latent cooling technologies: A comprehensive review. 2022 , 256, 115380	3
96	Investigations on the Thermoelectric Transport Properties in the Hole-doped La ₂ CuO ₄ .	
95	Simulation and Control of Battery Thermal Management System for Electric Vehicle.	0
94	Thermoelectric Module of SiGe Bulk Alloys Forming p-n Junction at the Hot Side. 2101520	1
93	Pool boiling enhancement via nanotexturing and self-propelled swing motion for bubble shedding. 2022 , 133, 105934	0
92	Thermoelectric and stress distributions around a smooth cavity in thermoelectric material. 2022 , 221, 107198	0
91	A highly flexible form-stable silicone-octadecane PCM composite for heat harvesting. 2022 , 14, 100227	3
90	Thermoelectrics for medical applications: Progress, challenges, and perspectives. 2022 , 437, 135268	8
89	Generating Waste Heat Energy from CPU Based on Thermoelectric Power Generator. 2021 ,	
88	Fabrication and Cooling Performance Optimization of Stretchable Thermoelectric Cooling Device. 2021 , 3, 5433-5442	0
87	Significance of Thermoelectric Cooler Approach of Atmospheric Water Generator for Solving Fresh Water Scarcity. 2022 , 377-383	
86	Experimental Study to Analyze Feasibility of a Novel Panelized Ground-Source Thermoelectric System for Building Space Heating and Cooling. 2022 , 15, 209	1
85	OUP accepted manuscript.	1
84	Structural Optimization of Heat Sink for Thermoelectric Conversion Unit in Personal Comfort System. 2022 , 15, 2781	
83	First principle design of new thermoelectrics from TiNiSn based pentanary alloys based on 18 valence electron rule. 2022 , 209, 111396	1
82	Data_Sheet_1.pdf. 2019 ,	

81	Research on refrigerant optimization and characteristic parameters based on thermoelectric refrigeration cooling garment. <i>Applied Thermal Engineering</i> , 2022 , 118606	5.8	
80	Investigation of natural convection characteristics in the molding chamber of a 3-D printer cooled by thermoelectric cooling modules. 2022 , 224, 107315		0
79	Numerical and Experimental Investigation on Symmetrical Cross Jet of Localized Air Conditioning System with Thermoelectric Cooling Devices in Commercial Vehicles. 2022 ,		0
78	A Systematic Review of Thermoelectric Peltier Devices: Applications and Limitations. 2022 , 1-20		1
77	Major Challenges Toward the Development of Efficient Thermoelectric Materials: From High Figure-of-Merit (zT) Materials to Devices. 2022 , 103-141		
76	A novel mechanism for thermal management at the cold side of a pulsed two-stage thermoelectric micro-cooler with different PCM heat sink shapes. 2022 , 8, 6929-6944		0
75	Significant reduction of lattice thermal conductivity in p-type filled skutterudite due to the strong electron-phonon interaction.		1
74	Thermoelectric Refrigeration System. 4-7		
73	Individualization of optimal operation currents for promoting multi-stage thermoelectric cooling. 2022 , 100746		0
72	Optimization assisted CFD for using double porous cylinders on the performance improvement of TEG mounted 3D channels. 2022 , 52, 102303		
71	Correlation between the Temperature Control Effect and Thermoelectric Property in the Cnts/Mn ₁ -Xznxfe _{2o} 4 Composites. <i>SSRN Electronic Journal</i> ,	1	
70	High Performance and Fatigue-Resistant Elastocaloric Regenerator for Efficient Cooling and Heat-Pumping. <i>SSRN Electronic Journal</i> ,	1	0
69	A general WhiteBox strategy for designing thermoelectric cooling system.		0
68	Leg Geometry Optimization of Thermoelectric Cooler to Maximize COP through Gaussian Process Modelling. 2022 ,		
67	Heat transfer augmentation in microchannel heat sink using secondary flows: A review. 2022 , 194, 123063		0
66	Dynamic heat transfer characteristics of gravity heat pipe with heat storage. <i>Journal of Energy Storage</i> , 2022 , 53, 105134	7.8	
65	Elastocaloric Effect Characterization of a NiTi Tube to be Applied in a Compressive Cooling Device. <i>SSRN Electronic Journal</i> ,	1	
64	Optimum coupling of photovoltaic devices and Peltier coolers for improved performance and stability. <i>International Journal of Sustainable Energy</i> , 1-27	2.7	0

63	Developing a two-parabolic band model for thermoelectric transport modelling using Mg ₂ Sn as an example. <i>JPhys Energy</i> ,	4.9	1
62	XGBoost model for electrocaloric temperature change prediction in ceramics. <i>Npj Computational Materials</i> , 2022 , 8,	10.9	1
61	Thermal performance of battery thermal management system using fins to enhance the combination of thermoelectric Cooler and phase change Material. <i>Applied Energy</i> , 2022 , 322, 119503	10.7	2
60	Critical factors and parameters for hybrid Photovoltaic-Thermoelectric systems; review. <i>Applied Thermal Engineering</i> , 2022 , 215, 118977	5.8	3
59	Adaptive Thermoelectric Cooling System for Energy-Efficient Local and Transient Heat Management. <i>Applied Thermal Engineering</i> , 2022 , 119060	5.8	0
58	Thermoelectric Properties of Sr doped LSCO for Energy Harvesting Applications below Room Temperature. <i>Energy Storage</i> ,	2.8	
57	Structural stability, electronic, optical, and thermoelectric properties of layered perovskite Bi ₂ LaO ₄ I. 2022 , 12, 24156-24162		0
56	Thermal Properties of Wide Bandgap Nanowires. 2022 , 123-137		
55	Detailed low temperature studies on thermoelectric performance of K-doped Bi ₂ Ca ₂ Co ₂ O _y ceramics fibers. 2022 , 97, 085820		
54	Bioinspired Untethered Soft Robot with Pumpless Phase Change Soft Actuators by Bidirectional Thermoelectrics. 2022 , 138794		1
53	Thermoelectric Clothing for Body Heat Harvesting and Personal Cooling: Design and Fabrication of a Textile-Integrated Flexible and Vertical Device. 2200528		0
52	Performance analysis of air-to-water binary thermoelectric Peltier cooling systems and determination of optimum arrangement. 2022 , 44,		0
51	Review on nanofluids and machine learning applications for thermoelectric energy conversion in renewable energy systems. 2022 , 144, 221-261		0
50	Advances in thermoelectric devices for localized cooling. 2022 , 450, 138389		1
49	Advances in the design and assembly of flexible thermoelectric device. 2023 , 131, 101003		9
48	Effect of using hybrid nanofluids as a coolant on the thermal performance of portable thermoelectric refrigerators. 2022 , 53, 102685		0
47	Performance Enhancement Method for Power Electronic Switch in Hybrid DC Circuit Breaker Based on Partial Precooling. 2023 , 38, 118-122		0
46	Hybrid thermoelectric air cooler for building cooling. 2022 ,		0

45	Spinor GW /Bethe-Salpeter calculations in BerkeleyGW: Implementation, symmetries, benchmarking, and performance. 2022 , 106,	1
44	Concept, modeling and experimental evaluation of an integrated cooling, heating and thermoelectric generation system. 2022 , 44,	0
43	Integrating high-temperature proton exchange membrane fuel cell with duplex thermoelectric cooler for electricity and cooling cogeneration. 2022 ,	0
42	Sustainability performance of space-cooling technologies and approaches. 2022 , 44, 9017-9042	0
41	Effects of different Bismuth concentrations of InSbBi crystals grown by Bridgman technique. 2022 , 599, 126904	0
40	Thermoelectric Materials. 2022 ,	0
39	A public database of thermoelectric materials and system-identified material representation for data-driven discovery. 2022 , 8,	1
38	Performance analysis of a new thermal management for thermoelectric cooler. 2022 ,	0
37	High-efficiency photovoltaic-thermoelectric hybrid energy harvesting system based on functionally multiplexed intelligent thermal management. 2022 , 272, 116377	0
36	Design and optimization of a cubic two-stage thermoelectric cooler for thermal performance enhancement. 2022 , 271, 116259	0
35	Multi-stage thermoelectric coolers for cooling wearables. 2022 , 36, 101511	0
34	Performance analysis and optimization of the rough-contact Bi ₂ Te ₃ -based thermoelectric cooler via metallized layers. 2022 , 40, 102522	0
33	Thermal management systems for electronics using in deep downhole environment: A review. 2022 , 139, 106450	0
32	Application of Radiative Cooling in MEMS Thermoelectric Power Generation. 2022 , 143-243	0
31	Irreversibility of thermoelectric cooling model: Newtonian linear heat transfer and finite time thermodynamics. 1-23	0
30	Thermoelectric properties variation in antimony telluride nanofilm using molecular dynamics.	0
29	Organic Thermoelectric Devices. 2022 , 237-273	0
28	Characterization of commercial thermoelectric modules for precision heat flux measurement. 2022 , 93, 114903	0

- 27 Numerical Simulations and Optimized Design on the Performance and Thermal Stress of a Thermoelectric Cooler. **2022**, ○
- 26 Thermoelectric Energy Harvesters and Applications. **2023**, 127-154 ○
- 25 Design and Implementation of Hybrid Photovoltaic-thermoelectric System with Intelligent Power Supply Management. **2022**, 55, 164-168 ○
- 24 Impact of intrinsic properties and interface contacts on thermoelectric transient supercooling. **2023**, 219, 119690 ○
- 23 Overview of machine learning applications to battery thermal management systems in electric vehicles. **2022**, ○
- 22 Experimental and Numerical Investigation of Low Melting Point Alloy for Downhole Electronics at High Temperature. **2022**, ○
- 21 Personal Cooling Garments: A Review. **2022**, 14, 5522 ○
- 20 Elastocaloric effect characterization of a NiTi tube to be applied in a compressive cooler. **2022**, 12, 125202 ○
- 19 Simulation of a Hybrid Thermoelectric-Magnetocaloric Refrigerator with a Magnetocaloric Material Having a First-Order Transition. **2022**, 2, 392-407 ○
- 18 Applications of Thermoelectricity in Buildings: From Energy Harvesting to Energy Management. **2023**, 152-163 ○
- 17 Thermoelectric properties of C2P4 monolayer: A first principle study. **2023**, 133, 015102 ○
- 16 Performance of a thermoelectric heat pump with recirculation and regenerative heat recovery. **2023**, 223, 120042 ○
- 15 Thermoelectric Material Fabrication using Mask Image Projection Based Stereolithography Integrated with Hot Pressing. **2022**, 9, 105-113 1
- 14 A Thermodynamic Model of Integrated Liquid-to-Liquid Thermoelectric Heat Pump Systems. **2023**, ○
- 13 Enhanced behaviour of a passive thermoelectric generator with phase change heat exchangers and radiative cooling. **2023**, 225, 120162 ○
- 12 A comprehensive review of the current status, developments, and outlooks of heat pipe photovoltaic and photovoltaic/thermal systems. **2023**, 207, 539-574 ○
- 11 Assembly and operation of a cooling stage to immobilizeC. elegans on their culture plates. ○
- 10 Data-Driven Aggregation Control for Thermoelectric Loads in Demand Response. **2022**, 55, 205-210 ○

- 9 Automatic Switching of Hybrid Peltier Module for Electronic Application. **2022**, ○
- 8 A review on solar photovoltaic-powered thermoelectric coolers, performance enhancements, and recent advances. **2023**, 31, ○
- 7 Maximizing energy generation: A study of radiative cooling-based thermoelectric power devices. **2023**, 274, 127283 ○
- 6 A review on the progress and development of thermoelectric air conditioning system. 1-17 ○
- 5 Thermodynamic Analysis on the Performance of Barocaloric Refrigeration Systems Using Neopentyl Glycol as the Refrigerant. ○
- 4 Performance Optimization of Photovoltaic Systems using Thermoelectric Cooling System. **2022**, ○
- 3 A comprehensive review on atmospheric water harvesting technologies: From thermodynamic concepts to mechanism and process development. **2023**, 53, 103728 ○
- 2 Local Heating through the Application of a Thermoelectric Heat Pump for Prenursery Pigs. **2023**, 13, 948 ○
- 1 Performance enhancement and parametric optimization of a sky radiative and thermoelectric hybrid cooling system for water harvesting from humid air. **2023**, 229, 120647 ○