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I-P136	Rizwan AKRAM , K. Ahsan, J. S. Khan <i>Impact of Polypyrrole on thermoelectric properties of Bismuth Telluride based composites</i>
I-P137	Joseph MOREAU , F. Tournus, O. Boisron, S. Pailhès <i>Toward embedded magnetic nano-clusters for thermoelectricity</i>
I-P138	Akshra DADHICH , S. Perumal, B. Srinivasan, M. S. Ramachandra Rao, K. Sethupathi <i>Thermoelectric transport properties of Co_{4-x}Mo_xSb₁₂ compounds</i>

17:00-19:00

POSTER SESSION II (Tuesday)

Theory & Modelling

II-P2	Warawut SA-ARDSIN , S. Pantian <i>Elliptical Pores and Thermoelectric Thermal Conductivity: A Maxwell-Eucken Model Reveals Shape Dependence</i>
II-P3	Prashant Kumar SAHU , H. Kamila, J. de Boor, E. Mueller, T. Dasgupta <i>Sequential approach to multiband modelling of thermoelectric materials</i>
II-P4	Iwan Ruiz Cózar , A. Massaguer, E. Massaguer, A. Cabot, T. Pujol, J.J. Suñol <i>Analysis to identify the influence of the variables of an automotive thermoelectric generator on the power generation</i>
II-P5	Gökçe VARDAR , B. O. Gürses, G. Gürlek <i>Energy and Exergy Analysis of a Thermoelectric Generator for Subcutaneous Applications</i>
II-P6	Lankun WANG , J. Sui, Z. Liu <i>Investigating the Phonon Transport Mechanisms in Aliovalent-doped TiCoSb Half-Heusler Thermoelectrics</i>
II-P7	Surbhi RAMAWAT , A. Dixit <i>β-SrZrS₃: A superior intermediate temperature thermoelectric through complex band geometry and ultralow lattice thermal conductivity</i>
II-P8	Sumit KUKRETI , A. Dixit <i>Strain-engineered thermophysical properties ranging from band-insulating to topological insulating phases in β-antimonene</i>
II-P9	Sophie K. GUILLEMOT , A. Suwardi, N. Kaltsoyannis, J.M. Skelton <i>Impact of crystal structure on the lattice thermal conductivity of the IV-VI chalcogenides</i>
II-P10	Dariusz WIECZOREK , Bartłomiej Wiendlocha <i>Theoretical studies of the electronic structure, transport properties and doping in InTe</i>
II-P11	Gabriel KUDEROWICZ , B. Wiendlocha <i>Study of lattice dynamics and electron-phonon interaction in SnTe:In and PbTe:Tl</i>
II-P12	Wiebke LIEBSCHER , A. G. Rösch, Md. M. Mallick, Q. Zhang, M. I. Khan, L. Franke, M. Kemerink, U. Lemmer <i>Exploring transport mechanisms of printed bismuth telluride based nanocomposite materials with COMSOL</i>
II-P13	Minsu HEO , H. S. Kim <i>Evaluation of thermoelectric parameters in In and Sr co-doped SnTe via the progressed single parabolic band model examination method</i>
II-P14	Alveena KHAN , J. Flitcroft, J. Skelton <i>ATiO₃ (A=Ca, Sr or Ba) oxide perovskites for high-performance thermoelectrics</i>
II-P15	Joseph M. FLITCROFT , A. Althubiani, J. M. Skelton <i>Bismuth Oxychalcogenides for Thermoelectric Material Applications</i>

New Materials

II-P16	Martin LEPROULT , T. Barbier, E. Guilmeau <i>Harnessing the Lone Pair Effect for Enhanced Thermoelectric Performance in Chalcogenides</i>
II-P18	Koki NAKASHIMA , A. Nagaoka, Y. Hirai, K. Nishioka <i>Controlling the conduction type in ZnSnAs₂ chalcopyrite thermoelectric materials with high power factor</i>
II-P19	Joris More-CHEVALIERA , U. D. Wdowik, Jiří Martan, S. Cichoň, Petr Levinský, D. Legut, E. de Prado, J. Pokorný, J. Bulíř, M. Novotný, L. I. Gregora, L. Fekete, L. Volfová, J. Lančok <i>Thermoelectric properties of ScN layers and doped ScN layers with Nb</i>
II-P20	Savvas HADJIPANTELI , Th. Krasia-Christoforou, Th. Kyratsi <i>Thermoelectric performance of PEDOT:PSS composites with Bi_{0.4}Sb_{1.6}Te₃</i>
II-P21	Taichi NAKAMURA , M. Miyata, D. Takeda, T. Munemoto, A. Matoba, T. Toyoda and M. Koyano <i>Electron and phonon transport properties of Ag-P composite thermoelectric materials showing low lattice thermal conductivity</i>
II-P22	Uzma HIRA , J.-W.G. Boss, F. Sher

	<i>Substantially low thermal conductivity and high thermoelectric figure-of-merit in Bi-doped Sr₂CoRuO₆ double perovskites</i>
II-P23	Xuezhen DU , B. Lin, H. Liu <i>Ultralow thermal conductivity of crystalline organic-inorganic 2D halid perovskites</i>
II-P24	Kosuke Watanabe , H. Kojima, K. K. Raut, C. Bourgès, T. Mori, K. Miyazaki <i>Development of Printed Thermoelectric Films Using CoSb₃-based Materials</i>
II-P25	Manoj SINGH , A. K. Gautam, M. Faraz, N. Khare <i>Freestanding, Polyaniline/WS₂/CNT Nanocomposite Flexible Film for Thermoelectric Application</i>
II-P27	Kaspars PUDZS , B. Hamawandi, O. Bitmets, A. Maurucaite, R. Grzibovskis, M. S. Toprak <i>Thermoelectric Hybrid Systems Utilizing Low Molecular Weight Compounds</i>
II-P28	Rajan BISWAS , J. W. G. Bos <i>Ionic Thermoelectric Properties of NASICON based Fast Ion Conductors</i>
II-P29	Kristina ASHURBEKOVA , M. Naumochkin, H. Reith, K. Nielsch, M. Knez <i>Organic-inorganic hybrid thermoelectric materials through vapor phase infiltration</i>
II-P30	Md Mahmudur RAHMAN , M. Solis-de la Fuente, L. Márquez-García, J. García-Cañadas <i>Remarkable power factor improvement in a nanostructured and porous thermoelectric material functionalised with viologen molecules</i>
II-P31	Damian LEWOC , T. Miruszewski, <i>Pyrochlore thermoelectric materials based on composite composition</i>
II-P32	Sanjukta MUKHERJEE , T. Maiti <i>Thermoelectric Properties of BaTiS₃ Chalcogenide perovskite exhibiting ultra-low thermal conductivity</i>
II-P33	Martyna Maria CZUDEK , T. Miruszewski, D. Jaworski, M. Gazda <i>Thermoelectric properties of multicomponent oxides</i>
II-P34	Aichi YAMASHITA , K. Prateek, P. Rani, A. Seshita, Y. Mizuguchi <i>Development of cubic structural high-entropy-type thermoelectric materials</i>
II-P35	Hitoshi KOHRI <i>Preparation and Thermoelectric Properties of Pseudo Binary Compounds of Molybdenum Disilicide and Tungsten Disilicide</i>
II-P36	Trivedi VIKRANT , N. Tsujii, T. Mori <i>The enhancement of the thermoelectric properties of nanostructured Sm-doped SrSi₂ low-cost p-type thermoelectric materials for waste-heat recovery applications</i>
II-P37	Michael HALL , P. Bhatnagar, R. C. Mudavath, A. Mejia-Pena, D. Vashaee <i>Engineering Spin-Driven Thermoelectricity in Manganese Mono-Chalcogenides</i>
II-P38	Adnan ALI , K. Mahmood, M. Yasir Ali, M. Shujaat Hussain <i>High power factor in room temperature thermoelectric range for thermally evaporated GeO₂ thin films by post growth annealing process</i>
II-P40	Adrianna LIS , K. Zazakowny, K. Wojciechowski <i>Thermoelectric polymer composites based on PEDOT:PSS with added Cu_{12+x}Sb₄S₁₃ nanoparticles</i>
II-P41	Kimberly BEERS , K. Najafi, A. Ravi, Q. Zhang, B. Chen <i>Investigation of Co-Evaporated Bi₂Te₃ Thin Films on HD-4110 Polyimide for Thermoelectric Micro-Generators</i>
II-P42	M.S. HEMALATHA , P. Rajasekar <i>Synthesis and Thermoelectric performance of Co-doped β-FeSi₂/Polyaniline composites</i>
II-P43	Marcello FRANZINI , S. Galliano, M. Bonomo, N. Barbero, K. Sasitharan, G.H. Morritt, M. Borri, G. Filiddani, M. Freitag, A. Reale, C. Barolo <i>Novel Cu-polymers for low-temperature thermal energy harvesting</i>
II-P44	Silvia MILITA , G. Calabrese, C. Pipitone, A. Martorana, F. Giannici A. Guagliardi, N. Masciocchi <i>1-D pseudoperovskite thin films: structure, morphology and long term stability</i>
II-P45	Karolina ZAZAKOWNY , A. Lis, K. Wolski, S. Zapotoczny, K. Wojciechowski <i>Flexible Composite Materials Based on PEDOT:PSS with Inorganic Additives</i>
II-P46	Kaja BILIŃSKA , M. J. Winiarski <i>Machine Learning for half-Heusler Phases: From Lattice Parameter to Thermoelectric Performance</i>
II-P47	S. Gogoc, K. Wojciechowski, Przemysław DATA <i>Flexible thermoelectric pellets based on poly(3-hexylthiophene) with dodecylbenzenesulphonic acid</i>

Measurements

II-P48	Ruian LIU , M. Miyata, M. Koyano <i>Investigation of lattice anharmonicity in Se-doped Bi₂Te₃ based on temperature-dependent Raman spectroscopy</i>
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II-P49	Jeongsoo KANG , S. Seong, Y. S. Kwon, B. I. Min <i>Synchrotron-radiation Spectroscopy Study of $R\text{Te}_2$ and $R\text{Te}_3$ Charge Density Wave Compounds ($R=\text{Pr}, \text{Er}$)</i>
II-P50	Anustoop DAS , K. Pal, P. Acharyya, S. Das, K. Maji, K. Biswas <i>Strong Antibonding p-d States Lead to Intrinsically Low Thermal Conductivity in a Cubic Metal Halide CuBi_4</i>
II-P51	Karl-Heinz GRESSLEHNER , M. Krenn, P. Kerepesi, L. Gupfinger, Ch. Beisteiner, B. Plank, B. Sonderegger <i>Non-Destructive Inspection of Thermoelectric Modules by Scanning Acoustic Microscopy</i>
II-P52	Maksim NAUMOCHKIN , K. Nielsch, H. Reith <i>Post annealing and doping with Sb and Cu for precise and wide range tuning of thermoelectric properties of physically vapor deposited Sb_2Te_3 thin films by</i>
II-P53	Tony MATHEW , V. Vijay, R. Santhosh, J. Archana, M. Navaneethan <i>Investigation of thermoelectric properties of $\text{Ag}_{2-x}\text{Al}_x\text{Se}$ for waste heat recovery</i>
II-P54	Satoaki IKEUCHI <i>Development of instrument to evaluate Peltier performance of thermoelectric modules</i>
II-P55	Kazuo NAGASE , A. Yamamoto, C.-H. Lee <i>Accelerated deterioration test of thermoelectric modules under current load</i>
II-P56	Kenjiro OKAWA , Y. Amagai, N. Sakamoto, N.-H. Kaneko <i>Comparison of measurement techniques for investigating thermoelectric conversion efficiency from a radiative heat loss perspective</i>
II-P57	Anil PANDYA , D. Anadkat, A. Jaiswal, A. V. Sanchela <i>Improved thermoelectric power factor by using different grades graphite paint on paper</i>
II-P58	S. Shin, D. Kim, Seongjae JEON , S. Han <i>Thermal fatigue and shear tests for bond joints of thermoelectric devices</i>
II-P59	Takahiro BABA , T. Baba, T. Mori <i>Determination of thermal diffusivity of thin film by Fourier transform reflectance method under convenient front-heat front-detect configuration</i>
II-P60	Chloé ANDRADE , S. Hawila, A. Abdallah, J.-L. Rukemampunzi, A. Mesbah, N. Guillou, F. Perret, S. Wuttke, T. Niehaus, R. Debord, O. Boisron, S. Pailhès and A. Demessence <i>A p-type Semi-Conducting Copper(I)-1,3-Benzenedithiolate 2D Coordination Polymer with High Seebeck Coefficient</i>
II-P61	Maja SAJDAK , J. Tobola, T. Parashchuk, M. Krzywiecki, P. Powroźnik, K. T. Wojciechowski <i>Probing hydrogen content in steel using the thermoelectric effect</i>

Devices

II-P63	Devi Bala Saraswathi SETHURAMAN , C.-J. Liu <i>Enhanced Thermoelectric Performance of $\text{Ni}_{1-x}\text{Cr}_x$: Energy-Efficient Synthesis and TEG Utilizing $\text{Ni}_{0.90}\text{Cr}_{0.10}$ (p-leg) and Nitric Acid-Treated $\text{Cu}_{0.60}\text{Ni}_{0.40}$/PEDOT Composites ($n$-leg)</i>
II-P64	Yuichi HIRAI , A. Nagaoka, K. Nakashima, Y. Ota, K. Nishioka <i>Development of Bi_2Te_3-based thermoelectric device by compositional optimization</i>
II-P66	Sushantika CHOUDHARY , B. Agrawal, S. Desale, A. Singh, T. Dasgupta <i>Dopant Optimization for High Efficiency $\text{Mg}_3\text{Sb}_{0.6}\text{Bi}_{1.4}$ Single Leg Thermoelectric Device</i>
II-P69	Matteo D'ANGELO , Y. Kim, H. Han, N. Lecis, J. S. Son <i>Bi_2Te_3-based Thermoelectric Films Deposited by Aerosol Jet Printing: Chemically Synthesized and Ball Milling-derived Inks Compared</i>
II-P70	Zeyu LIU , R. Huang, L. Chu, L. Shen <i>The general strategy for designing and selecting of thermoelectric cooler based on surrogate model</i>
II-P71	Manikandan SUBRAMANI , S. Mohandos, P. Veluswamy <i>Synergizing and Comparison of [1,3]oxazine Molecule for Efficient Organic Thermoelectric Energy Harvesting</i>
II-P72	Tomohiro KUSUMOTO , Y. Kurokawa, N. Usami, T. Itoh <i>Fabrication of tilted $\text{Mg}_2\text{Si}/\text{Ni}$ multilayer composite thermoelectric elements using PLA molds and power generation evaluation</i>
II-P73	Yuto MATSUZAKI , R. Tadenuma, Y. Aoshima, M. Yamamoto, L. Takai, Y. Kawano, K. Li <i>Hybrid integration of high Seebeck coefficient materials with carbon nanotube film photo-thermoelectric broadband image sensors</i>
II-P75	Qi ZHANG , H. Li, R. Koshimizu, A. Sano, N. Takahashi, Y. Kawano, K. Li <i>Microwave-based non-destructive monitoring by photo-thermoelectric sensors with carbon nanotube films beyond the diffraction limit</i>

II-P76	Leo TAKAI , M. Yamamoto, D. Sakai, Y. Matsuzaki, Y. Kawano, K. Li <i>All printable carbon nanotube film type photo-thermoelectric broadband 2D camera sheets</i>
II-P77	Chongyang ZENG , E. Bilotti <i>New architectures for heat sink less organic and inorganic thin film thermoelectric (TE) devices inspired by Kirigami</i>
II-P78	Daiki SHIKICHI , R. Ota, R. Odawara, M. Kubota, Y. Kawano, K. Li <i>Multi-wavelength computer vision imaging for 3D composite materials structure restoration with a photo-thermoelectric detector</i>
II-P79	Ryoga ODAWARA , M. Yamamoto, N. Takahashi, Y. Kawano, K. Li <i>Faster operation and integration of photo-thermoelectric sensor in carbon nanotube film camera</i>
II-P80	Miki KUBOTA , Y. Kinoshita, Y. Matsuzaki, M. Yamamoto, L. Takai, Y. Kawano, K. Li <i>Ultrabroadband photo-thermoelectric imager for in-line multi-wavelength pharma inspection in a non-destructive manner</i>
II-P81	Jongho PARK , J. Jang, B. Ryu, S.D. Park <i>Fabricating Durable Silicide-Telluride Thermoelectric Modules through Chemically-Thermally-Designed Joining Process for Multiple Usability</i>
II-P83	Şeyma ÖZKAN , M. Şener, G. Gürlek, B.O. Gürses, Y. Seki <i>Investigation of Thermoelectric Properties of Layered 3D Modules from PEDOT:PSS-Based Inks</i>
II-P84	Soufiane EL OUALID , I.Kogut, M.Benyahia, E. Geczi, U.Kruck, F. Kosior, P. Masschelein, C. Candolfi, A.Dauscher, J. D. Koenig, A. Jacquot, T. Caillat, E. Alleno, B. Lenoir <i>Enhancing Power Density in Thermoelectric Generators: A Novel Approach Using Thick Metallic Layers Layers</i>
II-P85	Fushan LI , S. Li, Z. Liu, J. Sui <i>High performance Hf-free Half-Heusler power generation via material optimization and barrier design</i>
II-P86	Babu JAYACHANDRAN , R. Chetty, and T. Mori <i>Development of p-type Counterparts for the Medium Temperature $Mg_3Sb_{1.5}Bi_{0.5}$ Thermoelectric Devices</i>
II-P87	Aamir M. FASIH , R. Chetty, B. Jayachandran, T. Mori <i>Contact material optimization for the $Mg_3(Sb,Bi)_2$-based thermoelectric compounds</i>
II-P88	S. Masoumi, Amir PAKDEL <i>Flexible thermoelectric generators fabricated by spray printing of PEDOT:PSS/$Bi_{0.5}Sb_{1.5}Te_3$ composites</i>
II-P89	Saba SEPAHBAN SHAHGOLI , M. Ozen, U. Aydemir <i>Improving the efficiency of thermoelectric cooler modules prior to manufacturing using COMSOL Multiphysics</i>
II-P91	Marco S. NATALI , A. Ferrario, A. Miozzo, S. Barison, L. Armelao, S. Boldrini <i>Semi-automated assembly of thermoelectric couples for medium to high temperature thermoelectric devices</i>
II-P93	S. Majumder, G. Bolegave, P. Singha, Vinayak KAMBLE <i>Thermoelectric Energy Harvesting using Photothermoelectric Response Of Bismuth Selenide Thin Films</i>
II-P94	Michał MUSIAŁ , M. Borcuch, K. Wojciechowski <i>The influence of structural parameters of thermoelectric modules on the efficiency of thermoelectric generator</i>
II-P95	Michihiro OHTA , P. Sauerschnig, T. Ishida, A. Yamamoto <i>Highly efficient and stable thermoelectric modules based on nanostructured PbTe: from materials development to module architecturing</i>

Thermoelectric Systems and Applications

II-P97	Abdelakader ALLEG , A. Benamara, N. Moulay, M. Berrahal, A. Zoukel, O. Mansour, D. Bensaid, Y. Azzaz, Y. Al-Douri <i>Theoretical investigations of electronic, thermodynamic and thermoelectric properties of filled skutterudites $ThFe_4P_{12}$ and $CeFe_4P_{12}$ using DFT calculations</i>
II-P98	Aniruddha RAY , M. D. Heijer <i>Thermoelectric Modules and Applications: An Industrial Perspective</i>
II-P99	Laura CARLOSENA , L. Catalán, N. Pascual, P. Alegría, M. Araiz, D. Astrain <i>Improving autonomous remote sensing based on thermoelectricity with radiative cooling</i>
II-P100	Shoma MIURA , A. Nagaoka, K. Nakashima, Y. Hirai, K. Nishioka <i>Measurement and simulation of thermoelectric performance for p-type chalcopyrite $ZnSnAs_2$</i>
II-P101	Iñaki ALZUGUREN , P. Aranguren, Á. Casi, I. Erro, N. Pascual, A. Rodríguez, D. Astrain <i>Hybridisation of thermoelectric technology with vapour compression refrigeration systems to improve the performance of a R290 cycle</i>
II-P102	Riddhimoy PATHAK , L. Xie, S. Das, T. Ghosh, A. Bhui, K. Dolui, D. Sanyal, J. He, K. Biswas <i>Vacancy Controlled Nanoscale Cation Ordering Leads to High Thermoelectric Performance</i>

II-P103	W. Gulbiński, Ariel LEWANDOWSKI , M. Alichniewicz, P. Gertner <i>Elastic, thin film thermoelectric generator (TEG) produced by multisource magnetron sputtering for energy harvesting from heat exchanger waste heat</i>
II-P104	Vaishali TANEJA , S. Das, K. Dolui, T. Ghosh, A. Bhui, U. Bhat, D. K. Kedia, K. Pal, R. Datta, K. Biswas <i>High Thermoelectric Performance in Phonon-Glass Electron-Crystal Like AgSbTe₂</i>
II-P105	Nerea PASCUAL , P. Alegría, M. Araiz, L. Carlosena, L. Catalan, Á. Martínez, D. Astrain <i>Characterisation and optimisation of thermoelectric generators for powering volcanic monitoring stations under extreme climatic conditions</i>
II-P106	Matevž CIMERMANČIČ , K. Klinar, A. Kitanovski <i>Additively manufactured thermoelectric devices for cooling, heating, and energy harvesting applications – a review</i>
II-P107	Uttam GHOSHAL , D. Grimm, M. Koelzer, J. Palomino, J. Jamison <i>Multistage Conjoint Couples for Deep Cooling Applications</i>
II-P108	Suchandra MUKHERJEE , N. Rana, S. Goswami, A. Banerjee <i>Investigating thermoelectric performance of Ni doped Sb₂Te₃</i>
II-P109	Shanmugasundaram PRIYADHARSHINI , V. Vijay, S. Kamalakannan, J. Archana, M. Navaneethan <i>Realizing an ultralow thermal conductivity via interfacial scattering and rational-electronic band reformation in p-type Mg₃Sb₂ by Zn incorporation</i>
II-P110	Sivakumar NANTHINI , H. Shankar, P. Veluswamy <i>Fabrication and Characterization of Stibnite-Modified Cotton fabric for Thermoelectric Energy Harvesting</i>
II-P112	Miroslaw MROZEK , A. Majcher, M. Neska, A. Gospodarczyk <i>Waste heat recovery using thermoelectric generators with a specialized DC-AC power electronic converter</i>
II-P113	Charles BARRAH , A. Kiyabala Lopez, J. Siviter, A. Knox <i>Design of a multi-kW Thermoelectric Heat Pump</i>
II-P114	A. Attar, Mohammed ALSUBHI , A. Alkuhayli, A. Alharbi, A. Alsubhi <i>Designing Zonal Automotive Thermoelectric Air-Conditioning System for Electric Vehicles</i>
II-P115	Irantzu ERRO , P. Aranguren, I. Alzuguren, N. Pascual, A. Martinez, D. Astrain <i>A Computational Model for Two-Stage Thermoelectric Heat Pump Validated through Experimentation in Heating</i>
II-P116	Rana GHANNAM , S. Misra, B. Lenoir, C. Candolfi <i>Influence of the In-induced resonant level on the thermoelectric properties of SnTe</i>
II-P117	Alaa ATTAR , A. Alharbi <i>A New Design of a Geothermal Thermoelectric Generator System (GTEG) for Geothermal Heat Recovery</i>
II-P118	Dona JOSEPH , C. Fanara <i>PHOTOVOLTAIC THERMOELECTRIC GENERATORS: STATUS AND ASPECTS</i>
II-P119	Florian LIEBETRAU , J. Schwab, M. Kober, C. Weber, F. Rinderknecht <i>Microinverter for thermoelectric generators for combined feed-in to AC grids and low-voltage battery storage systems</i>
II-P120	Priyanka SANGWAN , M. Saravanan, N.K. Upadhyay, Radhey Shyam, S. R. Dhakate <i>Structural and Thermal Conductivity Investigations on Particulates Added FeSi₂ -based Thermoelectric Material</i>
II-P121	Farheen ANJUM , P. Dixit, T. Maiti <i>Enhanced thermoelectric performance with improved mechanical strength in Bi₂S₃ via fabrication of composite with graphite</i>
II-P122	Carlo FANCIULLI , A. Nespoli, R. Donde, C. La Terra, F. Migliorini, F. Passaretti, S. De Iulii <i>Critical issues associated to thermal power density in the development of thermoelectric systems</i>
II-P123	Poonam RANI , A. Yamashita, A. Seshita and Y. Mizuguchi <i>Synthesis and thermoelectric properties of high-entropy-type CoSb₃ skutterudite</i>
II-P124	Seong-jae JEON , H. Park, S. Shin, D.-H. Kim, S. Han, J.J. Han <i>Evaluation of Automotive Thermoelectric Power Generation System</i>
II-P125	Matthias HELMICH , T. Knobelspies, C. Fritscher, J. Schwab, J. Schnüll, M. Kober, F. Rinderknecht, T. Siefkes <i>Development of a test bench for cryogenic TEG applications</i>
II-P126	Atsushi YAMAMOTO , K. Imasato, S. Baba, P. Sauerschnig, T. Ishida, M. Ohta <i>Thermoelectric Application to Carbon Capture System</i>
II-P127	Muhammad Irfan KHAN , L. Franke, A. G. Rösch, M. M. Mallick, Q. Zhang, U. Lemmer <i>Design optimization of printed thermoelectric generators tailored for plate heat exchangers in waste heat recovery applications</i>
II-P128	Hyukjun YOUN , J. Heo, H. Jeong, K. Lee, Y. Kim, H. Jo, S.-M. Choi <i>Design of Paste for Transient Liquid-Phase Sintered Electrodes in High-Temperature Thermoelectric Module</i>
II-P129	Joon HEO , H.-J. Youn, H. S. Jeong, K. H. Lee, H. Jo, Y. S. Kim, S.-M. Choi <i>Control of Particle Size Distribution in Metallic Glass Powder for High-Temperature Electrode Applications in Thermoelectric Modules</i>

II-P130	Pawel ZIOLKOWSKI , N. Rink, A. Fey, P. Schmidt, B. Singh, C. Kinias, E. Müller <i>Thermoelectric Generator Integration for Autonomous Heating Systems on Maritime Vessels</i>
II-P131	Pawel PACZKOWSKI , K. Wojciechowski, D. Kopyciński <i>Control of casting structure and production of electricity by means of a chill with thermoelectric modules</i>
II-P132	Mohammad O. YOUSOF , M. Ouzzane, K J. Hughes <i>Study of Earth to Air Heat Exchanger Combined with Thermo-Electric Cooling Device for Air Cooling in Saudi Arabia</i>
II-P133	Anil KUMAR , S. Thoravat, P. Rawat, H. Jin, J. S. Rhyee <i>Hierarchical phonon scattering from nano to macro scale in Bismuth Telluride bulk composites and cost effective module structure</i>
II-P134	Himanshu SHARMA , B. Sahni, T. Saha-Dasgupta, A. Alam <i>Cu-based quaternary chalcogenide with promising electronic transport</i>
II-P135	Adriana MAURUCAITE , B. Hamawandi, R. Grzibovskis, K. Pudzs <i>Investigations of electrical properties of p-type low molecular weight compounds for applications of thermoelectric hybrid systems with Sb₂Te₃ nanoparticles</i>
II-P136	A.Gurevich, Isaac STEINER <i>Design of high performance thermoelectric systems based on components optimization</i>
II-P137	Daniel SÁNCHEZ GARCÍA-VACAS , P. Aranguren, R. Larrondo-Sancho, A. Casi, I. Alzuguren, A. Rodríguez, R. Llopis, R. Cabello, D. Astrain <i>Improving a transcritical refrigerating plant by using a thermoelectric subcooler and a low-GWP CO₂/R32 mixture</i>
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