1	PIV experimental analysis of the gasper jet in an aircraft cabin (<u>João Gouveia</u> and Jurandir Yanagihara)
2	Effect of ZnO nanowires coating hydrophobicity on vapor film formation and friction reduction (<u>Lina Vorotinskiené</u> , Raminta Skvorčinskiené, Vladas Šatas, Aine Povilaikaité, Simas Račkauskas and Rita Kriūkiené)
3	Experimental and numerical investigation of the multiphase flow characteristics of the in-line type separator (<u>Han Sang Mok</u> , Jo Hae Jin, Woo Nam Sub, Lee Wang Do and Kim Young Ju)
4	Contact behavior between soft wall and bubble formed near rigid wall sandwiched by soft walls (<u>Jun Matsui</u> and Yasuhiro Sugirnoto)
5	Research on friction heat generation of high speed and heavy-duty rotors in turbo-expander (<u>Xiaohua Zhang</u> , Hongbo Xu, Kongrong Li, Ning Shi, Shun Qiu, Changlei Ke, Ly Xiong, Nan Peng, Liqiang Liu, Linghui Gong and Bin Dong)
6	Experimental Study on the Rotor Dynamic Characteristics of High-Speed Heavy-Load Cryogenic Turbo-Expanders during the Speed-up Process (<u>Chandle Ke</u> , Hongbo Xu, Kongrong Li, Xiaohua Zhang, Bin Dong, Lianyou Xiong, Nan Peng, Shun Qiu, Ningyu Shi, Hongmin Liu, Yanwei Liang and Liqiang Liu)
7	Mathematical description of the temperature-effective heat capacity relationship obtained by differential scanning calorimetry for phase change modelling (Martin Zalešák, Pavel Charvát, Lubomir Klimeš and Jakub Kúdela)
8	Experimental investigation on thermal performances of the cold plates in a pump driven two-phase cooling system
9	(<u>Xu Hongbo</u> , Liu Ming and Kongrong Li) Modeling of effective heat insulation methods for vertical farming in a greenhouse
10	(<u>Vitaly Haslavsky</u> and Helena Vitoshkin) Modeling and investigation of the turbulent wake recovery in the wind farm area
11	(<u>Vladislav Kovalnogov</u> , Andrei Chukalin, Maria Komilova and Ruslan Fedorov) Development of stator sector mock-up of a hairpin electric motor for detailed thermal testing of direct cooled end-windings
12	(<u>Steven Vanhee</u> , Jasper Nonneman, Frederik Desmet and Michel De Paepe) Velocity Measurements of Thin Falling Films Using Nuclear Magnetic Resonance
13	(Georges Saliba, Jan Korvink and Jürgen Brandner) Thermal conductance of insulation foams at sub-ambient temperature
14	(<u>Zhuo Zhang</u> , Rick Spijkers and Srinivas Vanapalli) Visualization Measurement of Mixing Process of Viscous Liquid Contained in a Rotating Cylindrical Vessel
	(<u>Tomoya Taquchi</u> , Tetsuro Yanaseko, Masaki Hiratsuka and Koji Hasegawa)
15	Effects of the rheological properties of a viscoplastic fluid on the slug flow pattern (<u>Dalane Mieko Iceri</u> , Gláucio Kenji Matoba, Roney Leon Thompson, Annie Fidel-Dufour and Marcelo Souza Castro)
16	Experimental Measurement Technique for the Determination of Flow and Heat Transfer Characteristics of Impinging Jets in Industrial Thermoprocessing Plants (<u>Jan Erik Menzler</u> , Eileen Trampe, Nico Rademacher, Dominik Büschgens and Herbert Pfeifer)
17	Evaporation-induced emulsification and phase separation dynamics of ternary droplets in acoustic levitation (<u>Misaki Mitsuno</u> and Koji Hasegawa)
18	Application of the optical flow method in PIV images: non-newtonian fluid flow in a horizontal pipe (<u>Helder Lima Moura</u> , Gláucio Kenji Matoba, Daiane Mieko Iceri, Eshail Miguel Vallejos Melendres, Roney Leon Thompson, Annie Fidel-Dufour and Marcelo Souza Castro)
19	Heat transfer characteristics of water-oil plug flow in a horizontal circular tube (<u>Tak ashi Morimoto</u> , Toshikazu Esaki, Takato Kimura and Hiroyuki Kumano)
20	Exploring phase separation dynamics in block copolymer solutions: innovative experimental techniques with thermodynamic analysis (<u>Irene Perna</u> , Gaia Paradiso, Rosalia Ferraro, Marta Gamberoni, Salvatore Coppola and Sergio Caserta)
21	Experimental investigation of the influence of ethanol/water mixture on nucleate pool boiling for structured surfaces (Panagiota Xanthopoulou, Axel Sielaff and Peter Stephan)
22	Impact and boiling of single and multiple droplets on a heated solid surface (Tianhan Chen and Koji Hasegawa)
23	Intermittency of flow meandering in a gap of a model of a peripheral subchannel of a fuel rod assembly (Maxim Shestakov and Mikhail Tokarev)
24	Machine learning of scattering signals in optical fiber to identify coolant leakage location of fusion reactor (<u>Shun Nukaga</u> , Daiki Mori, Tsuyoshi Kodera, Masahiro Furuya and Takuya Katagiri)
25	Preliminary experimental and computational investigation of a laboratory gas turbine combustor (<u>Gonçalo de Sousa Pina Pacheco</u> , Afonso Santoalha, Bruno Pinto, Miguel Mendes and Pedro Coelho)
26	Experimental study on freezing of supercooled water droplet impacting on curved cold surfaces (Zhaovang Sun, Shinan Chang and Shuyi Zhang)
27	Study of droplet motion and freezing under shear of cold air streams (<u>Xibo Qiao</u> , Shinan Chang and Shuoshuo Wang)
28	Study of castor oil/diesel emulsified fuels: Behavior of a single droplet in high temperature environments using image analysis methods and combustion characteristics of emulsions in diesel engines (Shuhn-Shvurng Hou, Chun-Ta Chen, Wei-Cheng Chiu and Ming-Da Lai)
29	Experimental and numerical study to investigate subcooled boiling in minichannels (Beata Maciejewska and Magdalena Piasecka)
30	Boiling heat transfer research during flow in rectangular minichannels (<u>Magdalena Piasecka</u> , Sylwia Hożejowska and Artur Piasecki)
31	Steam explosion retardant for molten Lead-Bismuth to stabilize vapor film (Masahiro Furuya and Takahiro Arai)
32	Effects of refrigerant charge in heat pump on thermohydraulic performance of microchannel evaporator (Georges Eff. Achkar. Jalai Farai and Mahmoud Khaled)
33	Effect mechanism of 5-Amino-1H-Tetrazole on the pyrolysis and combustion behaviors of Nano-Al@Fe2O3 thermite reaction (//u Chen)
34	Effect of initial ambient pressure on the explosive characteristics of thermobaric explosive
35	(Quan Liu, Ying Mai, Jian Yao, Xianzhao Song, Guokai Zhang, Dan Zhang, Bin Li, Lifeng Xie and Yongxu Wang) Experimental study of hydrogen-oxygen catalytic recombination for hydrogen mitigation in a confined pipeline using Pt/C catalyst: Development of temperature and hydrogen concentration
36	(<u>Xuan Li</u> , Si-Yuan Zhou, Tao-Tao Ye, Jing Zhang, Bin Li, Dan Zhang, Yong-Xu Wang and LiFeng Xie) Investigation of the effect of nonmetallic oxides on the properties of 5-Amino-1H-Tetrazole: microscopic morphology, kinetics, and thermal safety parameters
37	(<u>Si-vuan Zhou</u> , Xuan Li, Dan Zhang, Bin Li, Li-Feng Xie) Vitrification of biological material by immersion in liquid nitrogen and slush:an experimental study
38	(Jacqueline B. Copetti, Alisson S. Silva, Matheus Chanan, Jeferson D. Oliveira, <u>Elaine M. Cardoso</u> , Mario H Macagnan, Andre C Monteiro, Henrique Vidaletti and Karolyn Ogliari) Flow boiling heat transfer of propane (HC-R290) in multiport minichannels
39	(Jeferson D. Oliveira, Jacqueline B. Copetti, Priscila F. Silva, Mario H. Macagnan and <u>Elaine M. Cardoso</u>) Effect of stainless-steel surfaces on biofilm formation: implications during electrical impedance spectroscopy measurements
40	(<u>Dimitrios Avgoulas</u> , Maria Petala, Margaritis Kostoglou and Thodoris Karapantsios) Simulating bubble size effect on electrical signal fluctuations
41	(<u>Ourania Oikonomidou</u> , Sotiris Evgenidis, Thodoris Karapantsios and Margaritis Kostoglou) A technique for calculating the electrical resistance of ring electrodes in a domain with many bubbles
42	Marganitis Socialization of the Evenetical stand Thodon's Karapantisis) Study of bubble clusters morphological features through electrical impedance and optical measurements
42	Scalar S provide clasters independent leaders introgen electrical impedance and optical measurements Scalar S provide clasters independent clast clast provide and Thodoris Karapantisios) Exploring fluid dynamics in cardiovascular system with electrical impedance measurements
43	Exploring fulio dynamics in cardiovascular system with electrical impedance measurements (<u>Nikoleta Chatzipapa</u> , Sotiris Evgenidis, Kostas Zacharias, Georgios Karagiannis, Michail Doumas, Thodoris Karapantsios)