ID	Place	Authors	Title
10974	C001	Philipp Horn, Barry Koren	Structure-Preserving Neural Networks for Hamiltonian Systems
11233	C002	Xuanzhao Gao, Zecheng Gan	Random batch Quasi-Ewald method for the simulations of charged particles under dielectric confinement
11323	C003	Mallory Gaspard, Alexander Vladimirsky	Opportunistically Stochastic Shortest Path Problems: From PDEs to AV-Routing
11404	C004	Henok Tenaw Moges, Thanos Manos, and Charalampos Skokos	Anomalous diffusion and chaotic motion in coupled standard map lattices
11422	C005	John Olajide Akanni	Modeling the effect of unemployment and mass media on illicit drug use and terrorism dynamics
11425	C006	Gyeonggyu, Lee	Study on decoupled projection method for Cahn-Hilliard equation
11440	C007	Francisco Holguin, GS Sidharth, Gavin Portwood	Multigrid solver with super-resolved interpolation
11643	C008	Kun-Huang Chen, Ming- Hsuan Chen, Wei-Jie Liang	Medical Judgment Assistant: Data Classification base on Mahalanobis Distance
11649	C009	Sonali Mayani, Antoine Cerfon, Tobia Claglüna, Matthias Frey, Severin Klapproth, Michael Ligotino, Veronica Montanaro, Sriramkrishnan Muralikrishnan, Alessandro Vinciguerra, Andreas Adelmann	IPPL 2.0: A massively parallel performance portable C++ Particle-in-Cell framework
11758	C010	Bob Senyange	Localized and spreading chaos in nonlinear multidimensional disordered lattices
11826	C011	Tanvi Singla, Sapna Sharma, Bhuvaneshvar Kumar	Analysis of viscous dissipative flow of Casson hybrid nanofluid at the stagnation point over a rotating sphere
12086	C012	Massimiliano Fasi, Mantas Mikaitis	CPFloat: A C Library for Simulating Low-Precision Arithmetic
12297	C013	Shiro Hirano	Modeling earthquake process and ground motion based on a stochastic differential equation
12367	C014	Parul Tomar, Amit Kumar	A modified approach for fractional transportation problem under interval-valued Fermatean fuzzy sets
12371	C015	Kirti, Tina Verma, Amit Kumar	Inappropriateness in simple non-cooperative games with intuitionistic fuzzy information
12392	C016	Kayo Kinjo, Akiyasu Tomoeda	Exploring the Impact of Controlled Vehicles on Mixed Traffic in Cellular Automata
12425	C017	Brennan Sprinkle, Yan Gao, David Marr, Ning Wu	Soft magnetic microrobots move more efficiently with a flat tire
12452	C018	Md. M. Alam, Rina Begum, Mohammad Mahfuzul Islam and M. M. Parvez	Numerical Study of Temperature Dependent Viscosity and Thermal Conductivity on a Natural Convection Flow over a Sphere in Presence of Magneto Hydrodynamics
12469	C019	Jin-Guo Liu, Xun Gao, Madelyn Cain, Mikhail D. Lukin, Sheng-Tao Wang	Computing solution space properties of combinatorial optimization problems via generic tensor networks

ID	Place	Authors	Title
12516	C020	D. Bansal, D. Ghosh, S. Sircar	Selection mechanism in non-Newtonian Saffman-Taylor fingers
12590	C021	Kat Phillips, Paul Milewski	Drop Impact: modelling a lubrication air layer and surface waves in droplet rebound dynamics.
12606	C022	Jung-Fa Tsai, Ming-Hua Lin	An efficient optimization approach for three-dimensional packing problems
12662	C023	Demba Ba, Akshunna S. Dogra, Rikab Gambhir, Abiy Tasissa, Jesse Thaler	Shaping up scientific Machine Learning
12727	C024	Zheng Yang, Zecheng Gan, Rui Zhang	Dynamical Motion of Surface Active Flow Driven Droplets
12731	C025	Makoto Narita	Strong cosmic censorship theorem in Bakry-Emery spacetimes
13043	C026	Marc Calvo-Schwarzwalder, Abel Valverde, Maria Aguareles, Timothy Myers	Competitive Adsorption Processes Applied to Contaminant Removal
13047	C027		Energy landscape analysis for two-phase multi-component NVT flash systems by using ETD type high-index saddle dynamics
13068	C028	Zhenlu Cui	Phase Transitions in Active Polar Liquid Crystals
13087	C029	Yasunari Zempo, Satoru S. Kano	Electronic structure calculation in meshless particle method
13187	C030	Reetika Chawla, Komal Deswal, Devendra Kumar, Dumitru Baleanu	Numerical simulation for generalized time-fractional Burgers' equation with three distinct linearization schemes
13259	C031	Muhammad Hassan, Yvon MADAY, Yipeng WANG	A posteriori error estimates and their use for a least-cost strategy to achieve target accuracy
13273	C032	Zeng Lin	Numerical calculation of the portal pressure gradient of the human liver
13284	C033	Youngjin Hwang, Junseok Kim	Benchmark problems for numerical methods of the Allen- Cahn and Cahn-Hilliard equations
13301	C034	Seokjun Ham, Junseok Kim	Maximum principle preserving stability analysis of the fully explicit method for the Allen-Cahn equation
13302	C035	Seungyoon Kang, Junseok Kim	Numerical solution of one-dimensional Fisher–Kolmogorov– Petrovsky–Piskunov equation for unconditional stability and positivity-preserving
13334	C036	Teng Changqing	Neural option pricing for the rough Bergomi model
13359	C037	Zeyu Jin, Ruo Li	Natural model reduction for kinetic equations
13369	C038	Hussain Kadhem	Using the Neural ODE Toolkit For a Geometric Resolution of the Numerical Sign Problem
13378	C039	Takumu Maehashi, Momoko Hayamizu	Inferring the maturation trajectory of human iPS cell-derived megakaryocytes with topological data analysis
13381	C040	Xianping Wu	The refined error bounds for LCP of H+-matrix
13391	C041	M. Geogdzhayeva, Andre Souza, Raffaele Ferrari	Extreme Event Projection for a Changing Chaotic Attractor
13396	C042	Jongbin Yoon, Habin Yim, Sun-Chul Kim	Stuart vortices on a hyperbolic sphere
13416	C043	Jinkai Chen,Hao Zhou, Jikui Luo	Universal Triboelectric Nanogenerator (TENG) Simulation Method and Design Automation System

ID	Place	Authors	Title
13424	C044	Ariana Brown, James Nagy	Hybrid Iterative Solver for Inverse Problems
13425	C045	Tokuhiro Eto, Yoshikazu Giga	Minimizing movement for mean curvature flow with
			prescribed contact angle in curved domain
13445	C046	Colton Bryant, David Chopp,	An overset grid scheme for studying particles confined to
		Michael Miksis	fluid interfaces
13461	C047	Hidetomo Hoshino, Takuya	Improving constraint stability of covariant BSSN formalism
		Tsuchiya, Gen Yoneda	of the Einstein equations against homogeneous and
			isotropic spacetime background
13470	C048	Piotr Skrzypacz, Bek	Analysis of solidification phenomena in Bulkley-Herschel
		Kabduali, Rustem Takhanov,	extrusion flows
		Vsevolod Andreev, Boris	
		Golman	
13471	C049	Boris Golman, Vsevolod V.	Novel Semi-Analytical Methods for Nonisothermal
		Andreev, Piotr Skrzypacz	Diffusion-Reaction Processes in Catalyst Pellets with
			Arbitrary Reaction Kinetics
13472	C050	Tianhao HU ; Zecheng GAN	Multigrid POD Galerkin Method for multiscale
-			inhomogeneous PDEs
13473	C051	Marius Zeinhofer, Johannes	Achieving High Accuracy with PINNs via Energy Natural
		Müller	Gradient Descent
13491	C052	Erika Antonette Enriquez,	Constrained Optimization Using Philippine Eagle
		Renier Mendoza, Arrianne	Optimization Algorithm
		Crystal Velasco	
13492	C053	Henry Rodriguez Broadbent,	A transform approach to multi-phase problems
		Darren Crowdy	
13501	C054		A robust lower order mixed finite element method for a
		Huang, Xuehai Huang	strain gradient elasticity model
13506	C055	Shin-ichi Ito	Analysis of desiccation crack pattern formations based on
			physics-informed neural networks
13508	C056	Jindong Wang, Shuonan Wu	Hybridizable Discontinuous Galerkin Methods for Magnetic
10500			Advection-Diffusion Problems
13509	C057	Rahmani, Hossein; Taghavi,	A comprehensive model for viscoplastic fluids in
42540		Seyed Mohammad	superhydrophobic channels
13519	C058	Killian Wood, Emiliano	Variance-Reduced Stochastic Subspace Descent
12524	6050	Dall'Anese, Stephen Becker	Numerous of Fredrick of Missed Duncision Househing
13524	C059	Yingqi Zhao, Takeshi Fukaya, Takeshi Iwashita	Numerical Evaluation of Mixed Precision Iterative
12526	C060		Refinement using Low Precision Krylov Methods
13536	C060	Alain BENSOUSSAN, Jiayue	Value-Gradient Based Formulation of Optimal Control
		=	Problem and Machine Learning Algorithm
13538	C061	Xiang ZHOU Matsuno Yuki , Jianming Shi	The LP-Newton Method with Separation Hyperplanes for
15550	C061	Matsulio fuki , Jiaililling Sili	
13557	CUES	Sanjith Gopalakrishnan,	Linear Programming Cooperative Security Against Interdependent Risks
1333/	C002	Sriram Sankaranarayanan	cooperative security Against Interdependent risks
13560	C063	Jack McKee	Modeling Surface Tension in a Multi-Material Numerical
13300	C003	Jack MICKEE	Framework
13570	C064	Ebony Lee, Milija Zupanski,	Ensemble-based data assimilation system for satellite
13370	C004	Seon Ki Park	aerosol observation and regional aerosol prediction model
13571	C065	Di Xiao	Distributionally Robust Crew Pairing
133/1	2005	DI AIGO	Distributionally Nobust CIEW Falling

ID	Place	Authors	Title
13590	C066	Shinsuke NAKAMURA	The high-speed scaling and squaring for the matrix functions appeared in exponential integrators
13599	C067	Felix Liu, Albin Fredriksson, Stefano Markidis	Iterative Linear Solvers for Interior Point Methods with Applications in Radiation Therapy
13602	C068	Feifan Zhou, Yiwei Ye, Wansuo Duan, He Zhang	Comparisons of sensitive areas identified by adjoint sensitivity, singular vector, and conditional nonlinear optimal perturbations for tropical cyclone targeted observations
13613	C069	Sébastien Boyaval	New symmetric-hyperbolic PDEs for viscoelastic fluids
13629	C080	Dipo Aldila, Joseph P. Chavez, Sheryl N. Salim	Assessing the potential impact of repellent use, early screening, and vector control on lymphatic filariasis transmission
13648	C070	Tianyu Wang, Yasong Feng	Convergence Rates of Stochastic Zeroth-order Gradient Descent for Łojasiewicz Functions
13648	C071	Yasong Feng, Weijian Luo, Yimin Huang, Tianyu Wang	A Lipschitz Bandits Approach for Continuous Hyperparameter Optimization
13650	C072	Shingyu Leung, Ken K.T. Hung	A Multilayer Level Set Method for Modelling Dynamic Interfaces with an Application to an Elliptic Inverse Problem
13651	C073	Sunhwa Choi, Soyoung Kim	Assessing Excess Mortality During the COVID-19 Pandemic in South Korea
13658	C074	Takanori Asaki , Akiyasu Tomoeda	On degree of illusional effect of different three-dimensional objects reconstructed from the same line drawings
13660	C075	Tobhin Kim, Hyosun Lee, Hyoeun Kim, Sunmi Lee	Exploring Heterogeneity in Serial Intervals of COVID-19 in South Korea
13665	C076	Yuzu Hanaki, Akiyasu Tomoeda	A New Way of Showing Ambiguous Objects Using Refraction
13667	C077	Kazuya Okamoto, Tomoyuki Miyaji, Akiyasu Tomoeda	A new traffic flow model described by a delay partial difference equation with bistability
13669	C078	Sora Kurihara, Akiyasu Tomoeda	Walking Direction-Based Method for Smooth Pedestrian Movement Using 3D Point Cloud Data
13674	C079	Daniel Lengyel, Panos Parpas	CURVATURE ALIGNED SIMPLEX GRADIENT
13690	C081	Neng Fan	Stochastic Optimization of Operational Flexibility of Hydroelectricity for Renewable Integration
13696	C082	Hyun Lee, Robert D. Guy, William D. Ristenpart	Steady Streaming and Pumping Driven by Two Frequency Oscillations
13707	C083	Keon Ho Kim, Boyce E. Griffith	An immersed peridynamics method for fluid-driven material damage and failure in biomaterials
13924	C084	Li Manlan, Tong Xiaojiao, Xu Huifu	Randomization of Spectral Risk Measures and Distributional Robustness
13925	C085	Yang Liu, Yang Yi, Zhong Suhan	Global optimization for the portfolio selection model with high-order moments

ID	Place	Authors	Title
10949	C001	David Matheo Vargas Huertas, Javier Esteban Martinez Caldas, Juan Jose Camargo Carbonell, Juan Steban Garzón Trujillo, María Isabel Romero Rodríguez, Jorge Eliécer Carillo Velá squez	RICE HUSK IN THE HYDROCARBONS INDUSTRY
10950	C002	Masaya Kobayashi, Takahiko Kurahashi, Toshiaki Kenchi, Toshihiko Eto	Parameter identification analysis for incompressible viscous flow with interface
10951	C003	Sung Ho Kang, Kiwan Jeon, Sang-Hoon Kang, Sang-Hwy Lee	Multi stage deep reinforcement learning for Automatic three-dimensional cephalometric landmark detection
10957	C004	Kazuki Yamamoto, Takahiko Kurahashi, Yuki Murakami, Fujio Ikeda and Ikuo Ihara	Identification analysis of defect topologies by self-attention- based machine learning (Effect of number of training data on identification accuracy)
10959	C005	Towa Koike, Takahiko Kurahashi,Masayuki Kishida, Yuki Murakami and Fujio Ikeda	Identification analysis of defect topologies using level-set- based topology optimization with weighted sensitivity
10961	C006	Aymen Hadji, Fatma Zohra Nouri	Mathematical Modeling for a Bioglass Bioactivity Degradation
10966	C007	Sho IKEDA, Toshiaki ITOH	Simulation of Synchronization with Neuronal Population Firing Model
10969	C008	Feeroz R. Yusoph, Angelyn R. Lao	Epidemiological Modeling of Health Information Dynamics on Twitter
10971	C009	Paul K. Yu, Llewelyn S. Moron-Espiritu, Angelyn R. Lao	Systems biology approach to understanding azole resistance mechanisms in Candida albicans
10972	C010	Christoforos Kassianides, Hadrien Oliveri, Alain Goriely	A multiscale model for axon durotaxis
10980	C011	Abdulaziz Alsenafi, Mohammed Ferdows	Similarity and Finite Difference Solution on Biomagnetic Flow and Heat Transfer of Blood-Fe3O4 through a Thin Needle
10982	C012	Ibtissem Hadji, Fatma-Z Nouri	Mathematical and Numerical Study of a Stem Cell Problem
10983	C013	Adam Furman	Compartment Models for Ideas on Social Media Networks
11204	C014	Julia Makarova, Ricardo Muñ oz, Oscar Herreras, Valeri A. Makarov	Analysis of the fractal dimension of multidimensional data: The case of local field potentials
11207	C015	Monalisa Anand, P. Danumjaya, P. Raja Sekhara Rao	A nonlinear mathematical model on the Covid-19 transmission pattern among diabetic and non-diabetic population
11213	C016	Xinyi Deng, Joshua Glaser, Loren Frank, Scott Linderman	Clusterless Inference of Compression of Spatial Representation in Hippocampal Replay
11261	C017	Giovana Ortigoza Alvarez	Shortest path problem for recruiting personnel

ID	Place	Authors	Title
11287	C018	Hiromi Seno, Reina Uchioke,	A population dynamics model for the information spread
		Emmanuel J. Dansu	under the effect of social response
11391	C019	Sanchez-Bravo Ivete	Industrial Problem Solving Workshop Mexico. 16th years
			improving math collaboration between companies and
			academia.
11431	C020	Kyle Nguyen, Erica M. Rutter,	Estimation of Parameter Distributions for Reaction-
		Kevin Flores	Diffusion Equations with Competition using Aggregate
			Spatiotemporal Data
11553	C021	Dongju Lim, Yun Min Song,	Mood Prediction for Bipolar Disorder Patient with Sleep
		Jae Kyoung Kim	Pattern Information
11594	C022	Jui-Hung Hsieh, Kuan-Yi Kuo,	High-Efficiency 3D Video Coding Based On Machine Learning
		and Wei-Ting Chen	
11764	C023	Chengkai Yang	Representation Learning for Continuous Single-cell Biology
			with Graph Neural Networks
11901	C024	Yoshinori Katanaya,Rijyo	Convergence rates of consensus in multi-agent systems with
		Yamakawa,Hirokazu	communication delays
		Komatsu,Hiroshi Yokota	
11943	C025	Ani Jain, Parimita Roy	A MATHEMATICAL MODEL FOR DECIPHERING THE IMPACT
			OF OBESITY ON CANCER
11965	C026	Ognyan Simeonov	The Influence of Human Behavior in COVID-19 Modeling
12015	C027	Alonso Ogueda-Oliva,	Application of machine learning to predict dynamics of
		Padmanabhan Seshaiyer	epidemiological models that incorporate human behavior
12200	C028	Anton Phipps	Diatom Identification in Microscopy Videos Using Computer
			Vision Techniques
12227	C029	Chen J, Min W	Deciphering tissue-specific gene-drug patterns by sparse
			tensor partial least squares method
12300	C030	Saranchai Sinlapasorn,	Features Engineering and Machine Learning Methods for
		Benjawan Rodjanadid ,	the Prediction of the Patients' Postoperative WOMAC Score
		Jessada Tanthanuch, Bura	After Total Knee Replacement
		Sindhupakorn	
12354	C031	Yin-Ting Yeh	A Portable Platform for Label-free Virus Enrichment and
42256	6022	Da la Cara Val Arra	Fast/Accurate Virus Surveillance using Raman Spectroscopy
12356	C032	Dayton Syme, Yun Lu, Anna	Modeling CD4+ and CD8+ Cell Activity to Combination
		G. Sorace, and Nicholas G.	Immunotherapy in Mice with Triple Negative Breast Cancer
12412	6022	Cogan	Cinculation Counti Videou Fuch and Durane
12412	C033	Michal Mankowski, Khalid	Simulating Saudi Kidney Exchange Program
12502	6024	Almeshari	Harrist marking of the control contains and haloling tools.
12503	C034	Alex Cunillera, Harm H.	How bifurcations of dynamical systems are helping train
		Jonker, Gerben M.	drivers to save energy in the Netherlands
		Scheepmaker, Wilbert H. T. J.	
1255	CUSE	Bogers, Rob M. P. Goverde	Micro Macro Modelling of Particulate Systems
12556	C035	Jitendra Kumar	Micro-Macro Modelling of Particulate Systems Development of a mathematical model for adsorption of
12651	C036	M. Calvo-Schwarzwalder, A.	Development of a mathematical model for adsorption of
		M. Aguareles, T.G. Myers	multiple components from a polluted fluid
		N/I Aguaralac I (= N/N/agc	

ID	Place	Authors	Title
12699	C037	Schwab Matthias,	Fully automated scar quantification in myocardial infarction
		Pamminger Mathias,	
		Kremser Christian, Haltmeier	
		Markus, Mayr Agnes	
12813	C038	Yanping Ma, Gail Tang	Designing good teaching materials to train future applied
			mathematicians
12828	C039	Juhi Jaiswal, Thomas Berger,	Partial impulse observability of linear descriptor systems
		Nutan Kumar Tomar	
12858	C040	Jin-Wei Liang	Inertia-Based Natural Frequency Re-Assignment of a Real
			Reciprocating Hydrogen Compressor Used in Refineries
12970	C041	Nor Farah Wahidah Binti Nor	Effect of population distribution on critical time of reaction-
		Khalid, Mohd Almie Bin Alias	diffusion systems
13086	C042	Yasunari Zempo, Nobuhiko	Maximum entropy method for efficient spectrum analysis
		Akino, Satoru S. Kano	
13162	C043	Pearson W. Miller, Daniel	Generation and motion of interfaces in a mass-conserving
		Fortunato, Matteo Novaga,	reaction-diffusion system
		Stanislav Y Shvartsman, Cyrill	
		B Muratov	
13193	C044	Daniele Di Lorenzo, Victor	Models correction based on sparse identification and data
		Champaney, Angelo	assimilation
		Pasquale, Francisco Chinesta	
13215	C045	Gong CHEN, Yvon MADAY	Parameterization of Force Field in Molecular Simulation by
			Machine Learning
13272	C087	Sergio Torregrosa, Victor	Hybrid Twins based on Optimal Transport
		Champaney, Amine Ammar,	
		Vincent Herbert, Francisco	
		Chinesta	
13290	C046	Jussi Keppo, Nizar Touzi,	Dynamic Contracting in Asset Management under Investor-
		Ruiting Zuo	Partner-Manager Relationship
13332	C047	Zhiqiong FU, Hiromi SENO	An epidemic dynamics model with a limited capacity of
			isolation for a reinfectious disease
13347	C048	Jianxiong Sun, Harry Zheng	Multi-stage Stochastic control
13354	C049	Ying XIE, Hiromi SENO	Social response could cause recurring epidemic outbreaks:
			A population dynamics model
13361	C050	Victor SCHNEIDER, Hiromi	Population dynamics model on the persistence of native
		SENO	species in fragmented habitat under an alien species
			invasion
13366	C051	Yunil Roh, Jong Hyuk Byun, Il	Mathematical Modeling of 3D Tumor Spheroid Growth
		Hyo Jung	Inhibition for Anticancer Drugs
13385	C052	Honghui Zhang, Zhuan Shen,	Dynamical modelling of Alzheimer's disease considered with
		Lin Du	astrocytes
13393	C053	Junhyeok Choi, Bongsoo Jang	Analyzing the structure of cyclical competition using deep
			learning method
13398	C054	Ángeles Carmona, Andrés M.	Group Inverses everywhere!
		Encinas, María José Jiménez	
13446	C055	Vaibhava Srivastava, Eric M.	The effect of "fear" on two species competition

ID	Place	Authors	Title
13451	C056	Arup Kumar Sahoo, Sandeep	Physics Informed Neural Networks for Vibration Equations
13462	C057	Kumar and S. Chakraverty María José Jiménez Jiménez,	of Large Membranes Arising in the Music Industry
13402	C057	Ángeles Carmona, Andrés M.	Improving EIT discrete techniques
		Encinas	
13488	C058	Hsin-Yi Kuo, Po-Chun Huang	Free Vibration of Multiferroic Laminates with Interfacial
13400	C030	risiii ii kuo, i o chan ridang	Imperfections and Nonlocal Effect
13490	C059	Kana Yoshido, Honda Naoki	Adaptive discrimination between harmful and harmless
13430	C033	Rana Tosmao, Honda Naoki	antigens in the immune system by predictive coding
13497	C060	Soma Hirooka, Yudai	Shape optimization of an isolated body in incompressible
13 137	2000	Sugiyama, Takahiko	viscous flow for minimization of drag force based on Deep
		Kurahashi	Q-Network and the FEM
13498	C061	Mizuki Ikarashi, Masayuki	Application of density-based topology optimization for
13 130	C001	Kishida, Takahiko Kurahashi	maximally stiff structure problem using two-phase materials
		Kisinaa, rakainko karanasin	maximally still structure problem using two phase materials
13499	C062	Hideto Oda, Takahiko	Texture shape optimization for minimization of friction
		Kurahashi	coefficient based on the modified accelerated gradient
			method
13500	C063	Kouske Shimizu, Masayuki	Level-set-based topology optimization for bi-linear type
		Kishida, Takahiko Kurahashi	elasto-plastic problems
13512	C064	Jesse Holt, Jinghao Chen,	PIEZO1 regulates leader cell formation and cellular
		Elizabeth Evans, John	coordination during collective cell migration
		Lowengrub, Medha Pathak	
13549	C065	Misao Fukuda	Mathematical representation of bias and nudge centered
			on intangible goods by quantum information theory
13558	C066	Jyh-Cheng Jeng, Wen-Jeng	Data-based Optimal Tuning of I-PD Controllers for Time-
		Chen	Delayed Unstable Processes
13568	C086	Nguyen Ngo Cong Thanh	Impact of Barren Plateaus Mitigation Strategy on the
			Performance of Quantum Neural Network
13577	C067	Yue Zhang, Peng Wang	Uncertainty quantification on process variability for
			magnetic tunnel junction (MTJ)/ CMOS hybrid logic circuits
13578	C088	Eunseo Choi, Hyojung Lee	Impact of viral load on COVID-19 transmission dynamics
			considering the variants
13579	C068	Hyeonjeong Ahn, Giphil Cho,	Estimating the early detection of COVID-19 outbreak using
		JeongRye Park, Yongin Choi,	machine learning
		Hyojung Lee	
13591	C069	Geunsoo Jang	Early Detection of Norovirus Outbreaks Using Machine
			Learning
13593	C070	Heli Virtanen	Teaching computational inverse problems: what can
			ChatGPT do?
13597	C071	Yoshifumi Asakura, Yoshihiro	Mathematical modeling of chromatin dynamics in Hox-
		Morishita, Takayuki Suzuki	mediated animal body development
13601	C072	Genrev Josiah Villamin,	Inheritance Pattern of Crosses of Yellow Mice, a Multiplayer
		Yvette Fajardo-Lim	Game
13604	C073	Olive R. Cawiding, Se Ho	Investigating the impact of weather variables to dengue
		Park, Aurelio A. de los Reyes	incidence in the Philippines
		V, Jae Kyoung Kim	melacine in the ramppines

ID	Place	Authors	Title
13605	C074	L. Ivan, M. Chu, D. Beaton, A.	Computational Modelling of Tritium Transport in the
		Hanu, J. Atanackovic, J.G. McDonald	Anterior Segments of the Ocular Globe
13607	C075	Lorenz Richter, Julius Berner	An optimal control perspective on diffusion-based generative modeling
13611	C076	Jana Tarhini, Quang Huy Tran, Guillaume Enchéry, Sé bastien Boyaval	A fast CO2 storage simulator using reduced bases
13621	C077	Shintaro Kondo, Masaki	Spatiotemporal integral kernel of a hierarchical differential
		Mori, Takamichi Sushida	equation model in vision and afterimage phenomena
13636	C078	Shuhei, Takaya	Deflated CRS and BiCRSTAB methods with preserved duality
13645	C079	Byul Nim Kim, Chunyoung Oh	Intervention Strategies for the Reduction of Smoking in Adolescents
13649	C080	Tomoko Adachi, Kazuomi Oishi	Application of Threshold Scheme to Anonymous Public-key Certificate
13661	C081	Lee Ho Bin	LONG-TIME BEHAVIOR OF COMPOSITE WAVE OF PLANAR VISCOUS SHOCKS FOR THE 3D BAROTROPIC NAVIER-STOKES EQUATIONS
13662	C082	Dongyan Sui, Chun Guan, Zhongxue Gan, Wei Lin,	Tuning Convergence Rate via Non-Bayesian Social Learning: A Trade-Off between Internal Belief and External Information
13663	C083	Siyang Leng Emmet Lawless, Paolo Guasoni	Investment and consumption under stochastic risk premia
13670	C084	Jongmin Lee, Eunok Jung	User-friendly Dashboard for Estimating the Risk of Emerging Infectious Diseases using a Delayed Stochastic Model and Exploring Optimal Response Strategies
13687	C085	Hae Soo Jung, Seon Ki Park	Appropriate Combining Methods for East Asian Aerosol Optical Thickness Data

ID	Place	Authors	Title
10939	C001	Markus Dablander, Thierry Hanser, Renaud Lambiotte, Garrett M. Morris	Exploring Molecular Machine Learning Models for Activity- Cliff Prediction
10941	C002	Rabah Khaldi, Assia Guezane- Lakoud	Existence Results for an eigenvalue Riesz-Caputo Fractional Boundary Value Problem
10954	C003	Hsueh-Chen Lee, Hyesuk Lee	A lower-order weighted least-squares finite element method for poroelasticity problems in rheology
10970	C004	Assia Guezane Lakoud, Rabah Khaldi	On p(t)-Laplacian fractional differential equations
10988	C005	Jorge Duarte, Cristina Januario, Nuno Martins	THE IMPACT OF HABITAT LOSS ON A THREE-SPECIES TROPHIC SYSTEM
11119	C006	Abid Hussanan	HEAT TRANSFER ENHANCEMENT IN SODIUM ALGINATE BASED MAGNETIC AND NON-MAGNETIC NANOPARTICLES MIXTURE HYBRID NANOFLUID
11219	C007	Devsi Bantva	The Spectra of the Randic matrix of graphs
11362	C008	Aliya N. Kazmi, Akhlaq Husain, Ziya Uddin	Boundary layer preconditioners for elliptic problems in two dimensions
11396	C009	Chinwendu E. Madubueze	Modelling transmission dynamics of Lassa fever transmission with two environmental pathway transmissions
11523	C011	Dr. Naresh Menaria	Boros integral associated with generalized Galué type Struve function
11587	C012	Lihao Liu, Zhening Huang, Pietro Liò, Carola-Bibiane Sch önlieb, Angelica I. Aviles- Rivero	PC-SwinMorph: Patch Representation for Unsupervised Medical Image Registration and Segmentation
11588	C013	Nikhil Bhatia, Arvind Kumar Gupta	Far from equilibrium non-conserving exclusion process with site-wise dynamic defects
11672	C014	HUIWEN YU, OVE CHRISTIANSEN	Optimized first order alternating algorithms for fast and accurate low rank tensor decomposition
11673	C015	Sai Ganga, Ziya Uddin, Rishi Asthana	Al-based numerical method to solve 2-dimensional fluid flow problem
11773	C016	Yanqi Cheng, Lihao Liu, Shujun Wang, Yueming Jin, Carola-Bibiane Schönlieb, Angelica I. Aviles-Rivero	Why Deep Surgical Models Fail?: Revisiting Surgical Action Triplet Recognition through the Lens of Robustness
11827	C017	Muskan Verma, Sapna Sharma	The influence of road capacity on traffic flow in a percolation-backbone fractal with onramp
11839	C018	Yong-Jin Huang, Takashi Okada, Atsushi Mochizuki	A generalized structural bifurcation analysis of chemical reaction networks
11855	C019	Jorge Roldán-López, Pilar Benito	Quadratic Lie algebras algorithms applied over oscillator algebras
11875	C020	Arvind Kumar Gupta, Bipasha Pal	Interplay of reservoirs in an exclusion process with limited resources
11995	C021	HYUNJIN AHN,SEUNG-YEAL HA,JAEYOUNG YOON	Asymptotic tracking of a point cloud moving on Riemannian manifolds
12065	C022	· · · · · · · · · · · · · · · · · · ·	Variational Approach to Hamiltonian Random Impulsive Differential Systems

ID	Place	Authors	Title
12248	C023	Semin Oh, Jeong Rye Park,	On Q-integral graphs with Q-spectral radius 6
		Jongyook Park, Yoshio Sano,	
-		Jeongmin Ha, Sangkon Han	
12401	C024	Xinjuan Chen, Jiaxi Gu, Jae-	A 5th order finite difference WENO Scheme
		hun Jung	
12419	C025	Yuna Lim, Youngsuk Ko,	Optimal strategy of non-pharmaceutical interventions
		Renier G. Mendoza, Victoria	considering medical capacity during the SARS-CoV-2
		May P. Mendoza, Jongmin	omicron-dominant period
		Lee, Yubin Seo, Eunok Jung	
12502	C026	Maja Jolic, Sanja Konjik,	Control problem for nonlinear fractional dispersive system
		Darko Mitrovic	
12722	C027	Xinyue Luo, Yu Chen	Parameter Identification of Vegetation Pattern Dynamic
			Systems
12791	C028	India Marsden, David A.	Representation and use of finite elements in Firedrake.
		Ham, Patrick E. Farrell	
12930	C029	Periodic domain; Asymptotic	Multiscale computations for the elastic quadratic
		homogenization; Quadratic	eigenvalue problem in composite structure
		eigenvalue problem; Finite	
		element algorithm	
12944	C030	Zeyu Zhou, Wen Huang, Wei	Optimization-based approach for computing equilibrium
		Jiang, Zhen Zhang	shapes of crystals
13038	C031	Wensheng Zhang, Zifan Jiang	Stability of an inverse problem for Biot's consolidation
			system in poro-elasticity
13075	C032	Wallace Peaslee, Shira	Global and Local Dimension Reduction to Aid Underdrawing
		Faigenbaum-Golovin, Ingrid	Visualization using Hyperspectral Imaging Data from a 15th-
		Daubechieis, Barak Sober	Century Painting
13080	C033	Markus Tiefenthaler, Lukas	Deep learning approach for segmentation of cervical
		Neumann, Elke Ruth	arteries in CTA images
		Gizewski, Stephanie	
		Mangesius	
13102	C034	A. Ivanov, M. Svishchuk, A.	Optimal control of stochastic differential delay equations
		Swishchuk, S. Trofimchuk	and their applications
13153	C035	Taehyeong Kim, Jeong-Hoon	New determinant formula for \$4\times 4\$ matrix via Lasso
		Ju, Yeongrak Kim	
13154	C036	Jeong-Hoon Ju, Taehyeong	A New Formula of the Determinant Tensor with Symmetries
		Kim, Yeongrak Kim	
13165	C037	Oscar Alvarez, Dr. Keith	Bernstein Polynomials for Finite Element Analysis
		Ballard*, Dr. Endel larve*	
13181	C038	Yogita Mahatekar, Amey S.	Solving fractional disease model using new iterative method
		Deshpande	
13199	C039	Sanjay Chaudhary, Kanta	Availability Evaluation of Warm Standby System with Fault
			Detection Delay and General Repair Time
13201	C040	A K Nandakumaran, Abu	Strong Contrasting Diffusivity with L1 source term
		Sufian, Renjith Thazhathethil	
13261	C041	Iurii Nagornov	Application of meta-sampling method based on Maxima
			Weighted Isolation Kernel to the genetic data for
			personalized cancer care
13372	C042	Dr. Tyrus Berry, Dr. Zeeshan	Data Assimilation For Quantum Nitrogen Vacancy(NV)
		Ahmed	Diamond Spectroscopy

ID	Place	Authors	Title
13383	C043	Zhaolu Liu, Robert Peach, Mauricio Barahona	Interaction Measures, Partition Lattices and Kernel Tests for Higher Order Interactions
13387	C044	Arceo, Carlene P; Cawiding, Olivia R; de los Reyes, Aurelio V A; Escosio, Rey Audie S; Hernandez, Bryan S; Mendoza, Renier G; Mendoza, Victoria May P;	An Age-Structured COVID-19 Vaccine Roll-out Strategy in the Philippines
		Mohammad, Rhudaina Z; Salonga, Pamela Kim N; Suarez, Fatima Lois E; Sy, Polly W; Vergara, Thomas Herald M	
13388	C045	Elena Medvedeva, Anastasia Kisil, Raphael Assier	Diffraction by a finite defect on a square lattice: an iterative Wiener-Hopf method approach
13390	C046	Haruyoshi Tanaka	Dimension estimates in nonconformal graph directed iterated function systems via asymptotic perturbation
13429	C047	Tingting Zhu	Emergence of synchronization in Kuramoto model with frustration under general network topology
13449	C048	Jue Wang	Time-domain Maxwell's equations in biperiodic structures
13489	C049	Mandy Man	Heuristic algorithm for finding Hamiltonian cycles in random geometric graphs
13495	C050	Yoshinari Takeishi,Masazumi Iida,Jun'ichi Takeuchi	Characterizing Eigenspaces of Fisher Information Matrix in Simple ReLU Networks
13502	C051	Haifan Chen, Guozhi Dong, Wei Liu, Ziqing Xie	Second-order flows for computing the ground states of rotating Bose-Einstein condensates
13510	C052	Stanislav Potapenko	Variational treatment of boundary value problems in Cosserat elasticity
13528	C053	June-Ho, Lee	Phoneme-guided speech separation by using non-negative matrix factorization
13529	C054	Jung Eun Kim, Tobin Kim, Sunmi Lee, Hee-Sung Kim	Using a machine learning approach to forecast severe cases of COVID-19
13530	C055	Dilpreet Kaur and Kavita Goyal	Long short term memory based stock price predictions
13531	C056	Dilpreet Kaur and Rohit Kumar Singla	Artificial neural network (ANN) based derivative pricing
13551	C010	Bevina D. Handari, Fairuzia Zahira, Anuriyah Pebriana, Hilmi T. Shalahudin, Naufal Alfarisi, Gianina Ardaneswari, Dipo Aldila	Predicting Dengue Hemorrhagic Fever Incidents in DKI Jakarta by Considering Climate Factors using Machine Learning Models
13554	C057	Tao Zhang	A faster prediction-correction framework for solving convex optimization problems
13556	C058	Shiru Li, Tao Zhang, Yong Xia	A family of Barzilai-Borwein steplengths from the viewpoint of scaled total least squares
13576	C059	Matthew Smart, Stanislav Shvartsman, Hayden Nunley	Network formation by replicating coupled oscillators
13582	C060	Junseo Lee	Fast L sigma method for Variable order Fractional Derivative

ID	Place	Authors	Title
13587	C061	Sieun Lee, Soyeon Kim,	Multi-attention based recurrent neural network for hand-
		Sangil Kim	foot-mouth disease prediction in Korea
13588	C062	Tatsuya Hisada, Yukino	Phylogenetic Analysis of Flapping and Soaring in Birds:
		Kawai, Momoko Hayamizu	Uncovering Evolutionary Differences
13600	C063	Keita Watanabe, Momoko	Constructing a Phylogenetic X-cactus from a Distance Matrix
		Hayamizu	
13615	C064	Hiroaki Kojima, Momoko	Counting the trees inside a phylogenetic network: an
		Hayamizu	analytic combinatorial approach
13626	C065	Mariya Svishchuk	SIR Endemic Model in Semi-Markov Media
13634	C066	Muhammad Ismail, Bongsoo	A Numerical Scheme for Fractional Partial Differential
		Jang	Equation Based on Green Function and CAS Wavelets
13653	C067	Yasuhisa Saito, Hiromu Gion	Backward bifurcation and permanence of a disease-
			severity-structured epidemic model with limited treatment
			capacity
13654	C068	Nathanael Tepakbong	Exponential rates of convergence for binary classification
			with Deep Neural Networks
13659	C069	Miji KIM, Sangil KIM	A Comparative study between CNN, CNN-LSTM for video
			classification
13683	C070	Masato Shinjo, Kojiro Sato,	Preconditioned twisted factorization method with cyclic
		Masashi Iwasaki, Yoshimasa	reductions for computing eigenvectors
		Nakamura	
13694	C071	Cristeta U. Jamilla, Renier G.	Parameter Estimation in Neutral Delay Differential
		Mendoza, Victoria May P.	Equations Using Genetic Algorithm with Multi-Parent
		Mendoza	Crossover
13729	C072	Rajeswari Seshadri, Sherin	Lie Symmetry Analysis of Ramani Equations
		Agnus	
	C073	Masanori Yamanaka	Towards R(5,5)

ID	Place	Authors	Title
10942	C001	Miao-Yu, Tsai	A model-averaged approach of concordance correlation coefficients for longitudinal overdispersed Poisson data
10956	C002	Ali Allahem	Poincaré Section for Hide Coupled Dynamo Model
10981	C003	Abdulaziz Alsenafi, Ahcene	The Foldy–Lax approximation is valid for nearly resonating
		Ghandriche, Mourad Sini	frequencies
11023	C004	Soobin Kwak, Junseok Kim	A novel conservative Allen-Cahn system with structure-
			preserving property
11036	C005	René Henrion, Dietmar Hö	Modeling and simulation of mini-grids under uncertainty
		mberg, Nina Kliche	
11199	C006	Opal Issan, Boris Kramer,	Bayesian Parameter Estimation for Ambient Solar Wind
		Enrico Camporeale	Models
11240	C007	· · · · · · · · · · · · · · · · · · ·	On Existence of Approximate Solution for Nonlinear
			Volterra Random Integral Equation
11265	C008	Soi Ji, Soyoon Bak	A backward semi-Lagrangian method (BSLM) to solve
		, ,	nonlinear coupled KdV equations(NCKdV)
11266	C009	Jiseong Hur, Soyoon Bak	An efficient algorithm for solving 1D coupled Burgers'
		3	equations in a semi-Lagrangian framework
11352	C010	Haruhisa Oda	Persistent homological figure detection technology and the
			latest status of its applications
11527	C011	Jannik Castenow, Michael	Gathering a robot swarm using circulant communication
		Dellnitz, Raphael Gerlach, Sö	strategies
		ren von der Gracht, Jonas	strate8.es
		Harbig, Friedhelm Meyer auf	
		der Heide	
11540	C012	Shamoona Jabeen, Mehmet	Convergence Results based on Graph-Reich Contraction in
		Emir Koksal, Mudasir Younis	Fuzzy Metric Spaces with Application
11830	C013	Atsuki Hishida, Atsushi	Effect of adding reactions on the chemical reaction network
		Mochizuki	sensitivity
12006	C014	Ishtihadah islam, Seemin	Perovskites oxides and their theoretical modelling
		rubab	5
12047	C015	Ms.Daljeet Kaur, Dr.Sapna	Impacts of uncertainty about historical information on
		Sharma	downstream
12256	C016	Benjamin Spetzler, Dilara	Modeling and Numerical Simulation of Two-Dimensional
		Abdel, Patricio Farrell	TMDC Memristive Devices
12472	C017	Alex Cunillera, Ramon M.	Robust train trajectory optimization
		Lentink, Niels van Oort, Rob	,
		M.P. Goverde	
12594	C018	Rubing Han, Shuonan Wu	A monotone discretization for integral fractional Laplacian
12334	00_0		on bounded Lipschitz domains: Pointwise error estimates
			under Hölder regularity
12600	C019	Shumo Cui, Shengrong Ding,	OPTIMAL CELL AVERAGE DECOMPOSITION FOR HIGH-
12000	5515	Kailiang Wu	ORDER BOUND-PRESERVING SCHEMES
12751	C021	Sucharitha Dodamgodage,	AN ANALYSIS OF THE INTERACTION EFFECTS OF
12/31	2021	Dinushani Senarathna,	SOCIOECONOMIC AND DEMOGRAPHIC FACTORS ON COVID
		Stephanie Andreescu, ,	19 IN THE UNITED STATES DURING PRE-VACCINATION
			PERIOD: EMPIRICAL EVIDENCE FROM NEGATIVE-BINOMIAL
		Sumona Mondal	REGRESSION MODELS
		Juiliona ivionual	NEUNESSION MICHELS

ID	Place	Authors	Title
12812	C022	Olaoluwa Ogunleye,	Solution of split inverse problems using fixed point
		Timilehin O. Alakoya,	iterations
		Oluwatosin T. Mewomo,	
		Olaniyi S. Iyiola	
12874	C023		The effect of directional dispersal of predator on predator-
		Choi, Youngseok Chang and	prey model
		Inkyung Ahn	
12907	C024	. •	On fluid–structure interactions with the Coulomb friction
42074	6025	Martin, Takeo Takahashi	law boundary condition
12974	C025	Kausika Chellamuthu	Mittag-Leffler stability for a fractional Klein–Gordon
42022		6: 1	equation
13023	C026	Sichen Yang, Felix X-F Ye,	Nonlinear Model Reduction for Slow-Fast Stochastic
12010	6027	Mauro Maggioni	Systems near Unknown Invariant Manifolds
13049	C027	Jyoti, Soobin Kwak, Seokjun	Dispersion of a periodically injected solute through a long
12067	6020	Ham and Junseok Kim	circular tube
13067	C028	Friday I. Agu	A Simple Generalized Schröter family of discrete
13076	C020	Futa Manda Takamishi	distributions A three dimensional collective cell migration model by the
13076	C029	Futa Maeda, Takamichi Sushida	A three-dimensional collective cell migration model by the phase-field method
13081	C030	Daniel Gurevich, Matthew	Troubleshooting numerical simulations of PDEs using sparse
13001	C030	Golden, Roman Grigoriev	regression
13089	C031	Mark P Lynch, Matthew S	Inferring the Utility from Optimal Behaviour in an Epidemic
13003	C031	Turner, John J Molina, Simon	
		K Schnyder, Ryoichi	asing neural networks
		Yamamoto	
13090	C032		On the mathematical modelling of scale-up and intra-
		Codony, Marc Calvo-	particle diffusion for column adsorption
		Schwarzwalder, Timothy G.	
		Myers	
13103	C033	Kyoko Shibata, Takashi	Haplotype associations with quantitative traits in the
		Adachi	presence of confounding and population stratification.
13128	C034	Hayato Takahashi	Test of randomness with distributions of words
13146	C035	Anieza Maltsi	Symmetries in transmission electron microscopy imaging of
			crystals with strain
13171	C036	GWI SOO KIM, MOON HEE	On sequential optimality theorems for linear fractional
		KIM, GUE MYUNG LEE	optimization problems involving integral functions defined
			on L^2n[0,1]
13194	C037	Abdulaziz al Senafi, Mishari	Least Squares Estimation for Non-Ergodic Weighted
		Al-Foraih, Khalifa Es-sbaaie	Fractional Ornstein-Uhlenbeck Process of General
			Parameters
13197	C038	Kai Chen, Zhong-qi Tian,	Quantitative relations among causality measures with
		Songting Li, David	applications to pulse-output nonlinear network
		McLaughlin, Douglas Zhou	reconstruction
13216	C039	John A. Brasher, Robert J.	Statistical Analysis of Sled-pull Training Effects on Athletes'
		Rovetti, Junyuan Lin, Robert	Force Velocity Profiles
		V. Musci, Jenevieve L. Roper	

ID	Place	Authors	Title
13229	C040	TAPAN SARKAR, SADURI DAS, PRASHANT K SRIVASTAVA, PANKAJ BISWAS	Mathematical modelling and optimal control of Zika virus with multiple interventions
13245	C078	Zalman Balanov, Wieslaw Krawcewicz, Arnaja Mitra, Dmitrii Rachinskii	Equivariant Global Hopf Bifurcation in Abstract Nonlinear Parabolic Equations
13248	C041	Agus Soenjaya, Thanh Tran	Theoretical and numerical analysis of the Landau-Lifshitz- Baryakhtar equation in micromagnetism
13285	C042	Anna Shalova, Mark Peletier, André Schlichting	Regularization properties of dropout gradient descent
13298	C043	Noboru Isobe	Variational formulations of continuously deep neural network and existence results
13304	C044	Bao-Feng Feng, Changyan Shi, Chengfa Wu, Guangxiong Zhang	Rogue wave solutions to the Sasa-Satsuma equation
13305	C045	Peng Huang, Yuke Wang,Dan Zhou	Patterns of rogue waves of Long-wave and Short-wave equations
13310	C046	Marc Fersztand, Emile Jacquard, Vidit Nanda, Ulrike Tillmann	Harder-Narasimhan Filtrations of Persistence Modules
13314	C047	Ken Yamamoto, Seiya Uezu, Keiichiro Kagawa, Yoshihiro Yamazaki, Takuma Narizuka	Tracking data analysis for ball possession time in football matches
13315	C048	Wei Hao Tey, Jeroen S.W. Lamb, Martin Rasmussen	Bifurcation of minimal attractor of diffeomorphism with additive and spherical bounded noise
13355	C049	Mijin Ha, Donghyun Kim, Ji- Hun Yoon	Valuing of Timer Path-dependent Options
13376	C050	Koichi Kondo and Masato Shinjo	Integrable Discretization of Lax dynamics of Cholesky type
13382	C051	Wojciech Chacholski, Barbara Giunti, Claudia Landi, Francesca Tombari	Cofibrant indecomposable chain complexes parametrized by 1-dimensional posets
13395	C052	Natsuki Katayama, Yoshihiko Susuki	On Properties of Koopman Eigenfunctions for a Planar Singularly-Perturbed Dynamical System
13448	C053	Zicong Zhou, Guojun Liao	Construction of Diffeomorphism with Lagrange-Multipliers of Jacobian Determinant and Curl
13474	C054	William F. Turner, Thomas Cass, Remy Messadene	Topologies on unparameterised path space and signature asymptotics
13493	C055	Satoshi Umeki, Ken Yamamoto	Stochastic properties of pairs in hand of playing cards having arbitrary number of suits
13503	C056	Luxuan Yang,Ting Gao,Yubin Lu,Jinqiao Duan,Tao Liu	Neural network stochastic differential equation models with applications to financial data forecasting
13552	C057	•	Identifying Sensitive Areas for Targeted Observations to Improve Air Quality Prediction over South Korea
13566	C058	Ryoichiro Agata,Kazuya Shiraishi,Gou Fujie	Bayesian physics-informed neural networks for seismic tomography based on function-space particle-based variational inference

ID	Place	Authors	Title
13580	C061	Meiyan Jiang, Sangil Kim	State Estimation for a High-dimensional Nonlinear System by Particle Smoothing Method
13585	C062	Yukino Kawai, Tatsuya Hisada, Momoko Hayamizu	A Phylogenetic Analysis of Migratory and Resident Birds
13595	C063	Yichen Chen,Sören Dittmer,Michael Roberts	Disease severity and time to severity prediction using deep learning and survival modelling
13596	C064	Natsuki Tsutsumi, Yoshitaka Saiki, Kengo Nakai	Constructing data-driven ODEs of a chaotic fluid flow
13603	C065	Caitlin Berry, William Kleiber	Deep Levy Processes for Financial Modeling
13609	C066	Xu Hui, Duan Wansuo, Mu Mu	Important nonlinear temperature advection responsible for the asymmetrical amplitude of El Nino and La Nina
13612	C067	Chatchuea Kimchaiwong	Ensemble Kalman filtering with an alternative representation of uncertainty
13614	C068	Cristian Gutierrez , Henok Mawi	Numerical Approach to the Near Field Refractor Problem
13616	C069	Aizhan Issagali	Integral equations within the framework of supervised learning
13619	C070	Ryoko Oishi-Tomiyasu	Multidimensional generalization of phyllotaxis obtained from products of linear forms
13620	C071	Sergio Nabil Gadur, Cécile Daversin-Catty, Kristian Valen-Sendstad	Newtonian vs. non-Newtonian effects on predictions of left atrial hemodynamics
13638	C072	Nozomi Sugiura	Principal Geodesic Analysis applied to path signature
13643	C073	Zhiyuan LYU, Lok Ming LUI	Bijective Density-Equalizing Maps for Multiply Connected Open Surface
13664	C074	Arrianne Crystal T. Velasco, Rhudaina Z. Mohammad, Renier G. Mendoza, Ken Matthew C. Oliva	Numerical Simulation of the 2020 Taal Volcanic Ash Dispersion
13671	C075	Miroslav Bulicek, Josef Malek, Erika Maringova	Existence and uniqueness of weak solution to Navier-Stokes equations in 3D up to activation
13678	C076	Toshiyuki Shimono	Multiplying the absolute values from Student's t- distribution of two degrees produces the Bradley-Terry model
13681	C077	Lukas Waas, Tim Mäder	From samples to persistent stratified homotopy types
13688	C078	Han Yong Wunrow, Sen Pei, Jeffrey Shaman, Marc W. Spiegelman	Data assimilation for estimating change points of time- varying reproduction numbers
13734	C060	Shintaro Fukushima	Effective and Efficient Neural Operator for High- Dimensional Partial Differential Equations