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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 Ghandriche, Mourad Sini	The Foldy–Lax approximation is valid for nearly resonating frequencies
11023	C004	Soobin Kwak, Junseok Kim	A novel conservative Allen-Cahn system with structure-preserving property
11036	C005	René Henrion, Dietmar Hömberg, Nina Kliche	Modeling and simulation of mini-grids under uncertainty
11199	C006	Opal Issan, Boris Kramer, Enrico Camporeale	Bayesian Parameter Estimation for Ambient Solar Wind Models
11240	C007	SHETE SIDDHARTH GANESH	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' 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 Dellnitz, Raphael Gerlach, Sören von der Gracht, Jonas Harbig, Friedhelm Meyer auf der Heide	Gathering a robot swarm using circulant communication strategies
11540	C012	Shamoon Jabeen, Mehmet Emir Koksal, Mudasir Younis	Convergence Results based on Graph-Reich Contraction in Fuzzy Metric Spaces with Application
11830	C013	Atsuki Hishida, Atsushi Mochizuki	Effect of adding reactions on the chemical reaction network sensitivity
12006	C014	Ishtihadah islam, Seemin rubab	Perovskites oxides and their theoretical modelling
12047	C015	Ms.Daljeet Kaur, Dr.Sapna Sharma	Impacts of uncertainty about historical information on downstream
12256	C016	Benjamin Spetzler, Dilara Abdel, Patricio Farrell	Modeling and Numerical Simulation of Two-Dimensional TMDC Memristive Devices
12472	C017	Alex Cunillera, Ramon M. Lentink, Niels van Oort, Rob M.P. Goverde	Robust train trajectory optimization
12594	C018	Rubing Han, Shuonan Wu	A monotone discretization for integral fractional Laplacian on bounded Lipschitz domains: Pointwise error estimates under Hölder regularity
12600	C019	Shumo Cui, Shengrong Ding, Kailiang Wu	OPTIMAL CELL AVERAGE DECOMPOSITION FOR HIGH-ORDER BOUND-PRESERVING SCHEMES
12751	C021	Sucharitha Dodamgodage, Dinushani Senarathna, Stephanie Andreescu, James Greene, Shantanu Sur, Sumona Mondal	AN ANALYSIS OF THE INTERACTION EFFECTS OF SOCIOECONOMIC AND DEMOGRAPHIC FACTORS ON COVID-19 IN THE UNITED STATES DURING PRE-VACCINATION PERIOD: EMPIRICAL EVIDENCE FROM NEGATIVE-BINOMIAL REGRESSION MODELS

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12812	C022	Olaoluwa Ogunleye, Timilehin O. Alakoya, Oluwatosin T. Mewomo, Olaniyi S. Iyiola	Solution of split inverse problems using fixed point iterations
12874	C023	Kwangjoong Kim, Wonhyung Choi, Youngseok Chang and Inkyung Ahn	The effect of directional dispersal of predator on predator-prey model
12907	C024	Loredana Balilescu, Jorge San Martin, Takeo Takahashi	On fluid–structure interactions with the Coulomb friction law boundary condition
12974	C025	Kausika Chellamuthu	Mittag-Leffler stability for a fractional Klein–Gordon equation
13023	C026	Sichen Yang, Felix X-F Ye, Mauro Maggioni	Nonlinear Model Reduction for Slow-Fast Stochastic Systems near Unknown Invariant Manifolds
13049	C027	Jyoti, Soobin Kwak, Seokjun Ham and Junseok Kim	Dispersion of a periodically injected solute through a long circular tube
13067	C028	Friday I. Agu	A Simple Generalized Schröter family of discrete distributions
13076	C029	Futa Maeda, Takamichi Sushida	A three-dimensional collective cell migration model by the phase-field method
13081	C030	Daniel Gurevich, Matthew Golden, Roman Grigoriev	Troubleshooting numerical simulations of PDEs using sparse regression
13089	C031	Mark P Lynch, Matthew S Turner, John J Molina, Simon K Schnyder, Ryoichi Yamamoto	Inferring the Utility from Optimal Behaviour in an Epidemic using Neural Networks
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13128	C034	Hayato Takahashi	Test of randomness with distributions of words
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13171	C036	GWI SOO KIM, MOON HEE KIM, GUE MYUNG LEE	On sequential optimality theorems for linear fractional optimization problems involving integral functions defined on $L^2[0,1]$
13194	C037	Abdulaziz al Senafi, Mishari Al-Foraih, Khalifa Es-sbaaie	Least Squares Estimation for Non-Ergodic Weighted Fractional Ornstein-Uhlenbeck Process of General Parameters
13197	C038	Kai Chen, Zhong-qi Tian, Songting Li, David McLaughlin, Douglas Zhou	Quantitative relations among causality measures with applications to pulse-output nonlinear network reconstruction
13216	C039	John A. Brasher, Robert J. Rovetti, Junyuan Lin, Robert V. Musci, Jenevieve L. Roper	Statistical Analysis of Sled-pull Training Effects on Athletes' Force Velocity Profiles

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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
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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
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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	Seungyeon Lee, XiaoHao Qin, Jiwon Yoon, Seon Ki Park	Identifying Sensitive Areas for Targeted Observations to Improve Air Quality Prediction over South Korea
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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
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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	Bijjective Density-Equalizing Maps for Multiply Connected Open Surface
13664	C074	Arriane Crystal T. Velasco, Rhudaina Z. Mohammad, Renier G. Mendoza, Ken Matthew C. Oliva	Numerical Simulation of the 2020 Taal Volcanic Ash Dispersion
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