

Keywords Index

Volume 35, Numbers 1-4
(2024)

BIOLOGY

Keyword	Title	Number	Pages
Azithromycin Antibiotic	Azithromycin Therapy Changed the Intestinal Microbiota, Caused Oxidative Stress, and Decreased Memory Function in Adult Wistar Rats	1	5-14
Corona Protein	Nanoparticle-Protein Corona Interactions in Biological Milieu: Differential Toxicity Profiles in Prostate Cancer and Normal Cell Lines	2	115-124
Donors	Comparison Between HLA-B Allele Groups Among Peripheral Blood Stem Cell Donation Volunteers from Various Iranian Ethnicities	4	311-319
Electrochemical genosensor	An Impedimetric Genosensor for Ultrasensitive Detection of SARS-Cov-2 Genome Based on 3D Reduced Graphene Oxide and Gold Nanoparticle Composite	2	105-114
Ethnicity	Comparison Between HLA-B Allele Groups Among Peripheral Blood Stem Cell Donation Volunteers from Various Iranian Ethnicities	4	311-319
Gold Nanoparticles	Nanoparticle-Protein Corona Interactions in Biological Milieu: Differential Toxicity Profiles in Prostate Cancer and Normal Cell Lines	2	115-124
Graphene Oxide	Nanoparticle-Protein Corona Interactions in Biological Milieu: Differential Toxicity Profiles in Prostate Cancer and Normal Cell Lines	2	115-124
Gut Microbiome	Azithromycin Therapy Changed the Intestinal Microbiota, Caused Oxidative Stress, and Decreased Memory Function in Adult Wistar Rats	1	5-14
Hematopoietic Stem Cell	Comparison Between HLA-B Allele Groups Among Peripheral Blood Stem Cell Donation Volunteers from Various Iranian Ethnicities	4	311-319
HLA	Comparison Between HLA-B Allele Groups Among Peripheral Blood Stem Cell Donation Volunteers from Various Iranian Ethnicities	4	311-319
Iran	Comparison Between HLA-B Allele Groups Among Peripheral Blood Stem Cell Donation Volunteers from Various Iranian Ethnicities	4	311-319
Memory	Azithromycin Therapy Changed the Intestinal Microbiota, Caused Oxidative Stress, and Decreased Memory Function in Adult Wistar Rats	1	5-14
Next-generation sequencing (NGS)	Identification of <i>TYR</i> Whole Gene Deletion in a Patient with Oculocutaneous Albinism by Next Generation Sequencing	4	305-310
Oculocutaneous albinism (OCA)	Identification of <i>TYR</i> Whole Gene Deletion in a Patient with Oculocutaneous Albinism by Next Generation Sequencing	4	305-310
Oxidative Stress	Azithromycin Therapy Changed the Intestinal Microbiota, Caused Oxidative Stress, and Decreased Memory Function in Adult Wistar Rats	1	5-14
Pencil graphite electrode	An Impedimetric Genosensor for Ultrasensitive Detection of SARS-Cov-2 Genome Based on 3D Reduced Graphene Oxide and Gold Nanoparticle Composite	2	105-114
Prostate Cancer	Nanoparticle-Protein Corona Interactions in Biological Milieu: Differential Toxicity Profiles in Prostate Cancer and Normal Cell Lines	2	115-124
Rat	Azithromycin Therapy Changed the Intestinal Microbiota, Caused Oxidative Stress, and Decreased Memory Function in Adult Wistar Rats	1	5-14
SARS-CoV-2 virus	An Impedimetric Genosensor for Ultrasensitive Detection of SARS-Cov-2 Genome Based on 3D Reduced Graphene Oxide and Gold Nanoparticle Composite	2	105-114

SPION	Nanoparticle-Protein Corona Interactions in Biological Milieu: Differential Toxicity Profiles in Prostate Cancer and Normal Cell Lines	2	115-124
<i>TYR</i> gene deletion	Identification of <i>TYR</i> Whole Gene Deletion in a Patient with Oculocutaneous Albinism by Next Generation Sequencing	4	305-310

Keywords Index

Volume 35, Numbers 1-4
(2024)

CHEMISTRY

Keyword	Title	Number	Pages
Adsorption energy	Adsorption Investigation of Boron Nitride Nanoparticle as Biodegradable Drug Delivery Carriers for the Mercaptopurine Anti-cancer Drug by Density Functional Theory	1	25-39
Aromatic amines	Gas Chromatography of Environmentally Active Aromatic Amines in Industrial Dyes Effluents and Human Blood Serum	2	125-134
Bimetal-MOF	From The Rational Design of Cobalt-zinc Bimetallic MOF to Catalytic Behavior in Knoevenagel Condensation Reaction	1	15-23
Boron nitride nanotube	Adsorption Investigation of Boron Nitride Nanoparticle as Biodegradable Drug Delivery Carriers for the Mercaptopurine Anti-cancer Drug by Density Functional Theory	1	25-39
Density functional theory (DFT)	Adsorption Investigation of Boron Nitride Nanoparticle as Biodegradable Drug Delivery Carriers for the Mercaptopurine Anti-cancer Drug by Density Functional Theory	1	25-39
Effluents	Gas Chromatography of Environmentally Active Aromatic Amines in Industrial Dyes Effluents and Human Blood Serum	2	125-134
Ethyl chloroformate	Gas Chromatography of Environmentally Active Aromatic Amines in Industrial Dyes Effluents and Human Blood Serum	2	125-134
Factorial design	Gas Chromatography of Environmentally Active Aromatic Amines in Industrial Dyes Effluents and Human Blood Serum	2	125-134
GC	Gas Chromatography of Environmentally Active Aromatic Amines in Industrial Dyes Effluents and Human Blood Serum	2	125-134
Heterogeneous catalyst	From The Rational Design of Cobalt-zinc Bimetallic MOF to Catalytic Behavior in Knoevenagel Condensation Reaction	1	15-23
IR spectra	Adsorption Investigation of Boron Nitride Nanoparticle as Biodegradable Drug Delivery Carriers for the Mercaptopurine Anti-cancer Drug by Density Functional Theory	1	25-39
Knoevenagel	From The Rational Design of Cobalt-zinc Bimetallic MOF to Catalytic Behavior in Knoevenagel Condensation Reaction	1	15-23
Mercaptopurine	Adsorption Investigation of Boron Nitride Nanoparticle as Biodegradable Drug Delivery Carriers for the Mercaptopurine Anti-cancer Drug by Density Functional Theory	1	25-39
Metal-organic framework	From The Rational Design of Cobalt-zinc Bimetallic MOF to Catalytic Behavior in Knoevenagel Condensation Reaction	1	15-23
Serum	Gas Chromatography of Environmentally Active Aromatic Amines in Industrial Dyes Effluents and Human Blood Serum	2	125-134

Keywords IndexVolume 35, Numbers 1-4
(2024)**GEOLOGY**

Keyword	Title	Number	Pages
Fore-Arc Setting	Tectonic Setting of the Serow-Torshab Ophiolite Related Mafic Rocks, NW-Iran: Implications from Minerals and Whole-Rock Geochemistry	1	41-54
Mineral Chemistry	Tectonic Setting of the Serow-Torshab Ophiolite Related Mafic Rocks, NW-Iran: Implications from Minerals and Whole-Rock Geochemistry	1	41-54
NW Iran Ophiolites	Tectonic Setting of the Serow-Torshab Ophiolite Related Mafic Rocks, NW-Iran: Implications from Minerals and Whole-Rock Geochemistry	1	41-54
Ophiolite-Related Gabbro	Tectonic Setting of the Serow-Torshab Ophiolite Related Mafic Rocks, NW-Iran: Implications from Minerals and Whole-Rock Geochemistry	1	41-54
Serow-Torshab	Tectonic Setting of the Serow-Torshab Ophiolite Related Mafic Rocks, NW-Iran: Implications from Minerals and Whole-Rock Geochemistry	1	41-54

Keywords Index

Volume 35, Numbers 1-4
(2024)

MATHEMATICS, STATISTICS, AND COMPUTER SCIENCES

Keyword	Title	Number	Pages
Adaptive Neural-based Fuzzy Inference System	Comparison of Adaptive Neural-Based Fuzzy Inference System and Support Vector Machine Methods for the Jakarta Composite Index Forecasting	3	257-265
Annihilators	On Projection Invariant Rickart Modules	4	321-328
Asthma	Prediction of Anoxic Tonic Seizures due to Asthma in Children: Using Machine Learning Methods	1	63-69
Baer modules	On Projection Invariant Rickart Modules	4	321-328
Bayesian	Modeling Mortality in Heart Failure Patients: Considering Time-Varying Effects - A Bayesian Survival Analysis Utilizing Bayesian AFT Model with the INLA Method	4	341-349
Binomial transform	Bounds for the Varentropy of Basic Discrete Distributions and Characterization of Some Discrete Distributions	3	233-241
Cauchy-Schwarz inequality	Bounds for the Varentropy of Basic Discrete Distributions and Characterization of Some Discrete Distributions	3	233-241
Childhood	Prediction of Anoxic Tonic Seizures due to Asthma in Children: Using Machine Learning Methods	1	63-69
Composite likelihood	Penalized Composite Likelihood Estimation for Spatial Generalized Linear Mixed Models	2	135-145
Continuous Sensitive Variable	Modeling Some Repeated Randomized Responses	3	221-231
Data Mining	Classifying Divorce Cases in Iranian Judiciary Courts Using Machine Learning: A Predictive Perspective	2	147-157
Dependence	A New Bivariate Shock Model Covering All Degrees of Dependencies	4	329-339
Dimension Reduction	Supervised Clustering of Persian Handwritten Images	1	55-62
Divorce Cases	Classifying Divorce Cases in Iranian Judiciary Courts Using Machine Learning: A Predictive Perspective	2	147-157
Endomorphism rings	On Projection Invariant Rickart Modules	4	321-328
Feature Selection	Evaluating Feature Selection Methods for Macro-Economic Forecasting, Applied for Iran's Macro-Economic Variables	3	243-256
Forecasting	Comparison of Adaptive Neural-Based Fuzzy Inference System and Support Vector Machine Methods for the Jakarta Composite Index Forecasting	3	257-265
Heart Failure	Modeling Mortality in Heart Failure Patients: Considering Time-Varying Effects - A Bayesian Survival Analysis Utilizing Bayesian AFT Model with the INLA Method	4	341-349
High Dimensional Data	Supervised Clustering of Persian Handwritten Images	1	55-62
Hoda	Supervised Clustering of Persian Handwritten Images	1	55-62
INLA	Modeling Mortality in Heart Failure Patients: Considering Time-Varying Effects - A Bayesian Survival Analysis Utilizing Bayesian AFT Model with the INLA Method	4	341-349
Iran	Classifying Divorce Cases in Iranian Judiciary Courts Using Machine Learning: A Predictive Perspective	2	147-157
Jakarta Composite Index	Comparison of Adaptive Neural-Based Fuzzy Inference System and Support Vector Machine Methods for the Jakarta Composite Index Forecasting	3	257-265
Judiciary	Classifying Divorce Cases in Iranian Judiciary Courts Using	2	147-157

Kaplan-Meier	Machine Learning: A Predictive Perspective Modeling Mortality in Heart Failure Patients: Considering Time-Varying Effects - A Bayesian Survival Analysis Utilizing Bayesian AFT Model with the INLA Method	4	341-349
Linear Regression Model	Modeling Some Repeated Randomized Responses	3	221-231
Machine Learning	Prediction of Anoxic Tonic Seizures due to Asthma in Children: Using Machine Learning Methods	1	63-69
Machine Learning Techniques	Classifying Divorce Cases in Iranian Judiciary Courts Using Machine Learning: A Predictive Perspective	2	147-157
Macroeconomic Analysis	Evaluating Feature Selection Methods for Macro-Economic Forecasting, Applied for Iran's Macro-Economic Variables	3	243-256
Marshall-Olkin model	A New Bivariate Shock Model Covering All Degrees of Dependencies	4	329-339
Penalized pairwise likelihood	Penalized Composite Likelihood Estimation for Spatial Generalized Linear Mixed Models	2	135-145
Persian Handwritten Images	Supervised Clustering of Persian Handwritten Images	1	55-62
Prediction Model	Prediction of Anoxic Tonic Seizures due to Asthma in Children: Using Machine Learning Methods	1	63-69
Predictive Accuracy	Evaluating Feature Selection Methods for Macro-Economic Forecasting, Applied for Iran's Macro-Economic Variables	3	243-256
Principal Component	The Principal Component Linear Spline Quantile Regression Model in Statistical Downscaling for Rainfall Data	2	159-166
Quantile Regression	The Principal Component Linear Spline Quantile Regression Model in Statistical Downscaling for Rainfall Data	2	159-166
Rainfall	The Principal Component Linear Spline Quantile Regression Model in Statistical Downscaling for Rainfall Data	2	159-166
Randomized Response	Modeling Some Repeated Randomized Responses	3	221-231
Repeated Individual Observations	Modeling Some Repeated Randomized Responses	3	221-231
Repeated Randomized Response	Modeling Some Repeated Randomized Responses	3	221-231
Reversed hazard rate	Bounds for the Varentropy of Basic Discrete Distributions and Characterization of Some Discrete Distributions	3	233-241
Rickart modules	On Projection Invariant Rickart Modules	4	321-328
Rickart ring	On Projection Invariant Rickart Modules	4	321-328
Shock model	A New Bivariate Shock Model Covering All Degrees of Dependencies	4	329-339
Similarity Methods	Evaluating Feature Selection Methods for Macro-Economic Forecasting, Applied for Iran's Macro-Economic Variables	3	243-256
Spatial Clustering	Bayesian Clustering of Spatially Varying Coefficients Zero-Inflated Survival Regression Models	3	205-219
Spatial generalized linear model	Penalized Composite Likelihood Estimation for Spatial Generalized Linear Mixed Models	2	135-145
Spline	The Principal Component Linear Spline Quantile Regression Model in Statistical Downscaling for Rainfall Data	2	159-166
Statistical Downscaling	The Principal Component Linear Spline Quantile Regression Model in Statistical Downscaling for Rainfall Data	2	159-166
Supervised Clustering	Supervised Clustering of Persian Handwritten Images	1	55-62
Support Vector Machine	Comparison of Adaptive Neural-Based Fuzzy Inference System and Support Vector Machine Methods for the Jakarta Composite Index Forecasting	3	257-265
Survival Analysis	Bayesian Clustering of Spatially Varying Coefficients Zero-Inflated Survival Regression Models	3	205-219
Survival time	Modeling Mortality in Heart Failure Patients: Considering	4	341-349

	Time-Varying Effects - A Bayesian Survival Analysis Utilizing Bayesian AFT Model with the INLA Method		
Varentropy	Bounds for the Varentropy of Basic Discrete Distributions and Characterization of Some Discrete Distributions	3	233-241
Varying Coefficient	Bayesian Clustering of Spatially Varying Coefficients Zero-Inflated Survival Regression Models	3	205-219
Weighted pairwise likelihood	Penalized Composite Likelihood Estimation for Spatial Generalized Linear Mixed Models	2	135-145
World Bank Indicators	Evaluating Feature Selection Methods for Macro-Economic Forecasting, Applied for Iran's Macro-Economic Variables	3	243-256

Keywords IndexVolume 35, Numbers 1-4
(2024)**PHYSIQUE**

Keyword	Title	Number	Pages
Carbon nanotubes	Preparation of Polymer Nanocomposites Containing Multiwall Carbon Nanotubes Functionalized by Chloroform Plasma	4	351-357
Functionalization	Preparation of Polymer Nanocomposites Containing Multiwall Carbon Nanotubes Functionalized by Chloroform Plasma	4	351-357
Plasma	Preparation of Polymer Nanocomposites Containing Multiwall Carbon Nanotubes Functionalized by Chloroform Plasma	4	351-357
Polymer nanocomposites	Preparation of Polymer Nanocomposites Containing Multiwall Carbon Nanotubes Functionalized by Chloroform Plasma	4	351-357