1. Survey of ground beetles inhabiting agricultural crops in south-east Kazakhstan [Levantamento de besouros terrestres que habitam plantações agrícolas no sudeste do Cazaquistão]

2. Evaluating the secondary bioactive metabolites in Geodia corticostylifera [Avaliação dos metabólitos bioativos secundários em Geodia corticostylifera]

3. Agrobiological evaluations of newly introduced grapes varieties under climatic conditions of the south of Kazakhstan [Avaliações agrobiológicas de variedades de uvas recém-introduzidas sob as condições climáticas do sul do Cazaquistão]

4. Study on the role of nano antibacterial materials in orthodontics (a review) [Estudo sobre o papel dos materiais nanoantibacterianos na ortodontia]

5. Modeling and Optimizing the Charge of Electric Vehicles with Genetic Algorithm in the Presence of Renewable Energy Sources

6. Farasan Island of Saudi Arabia confronts the measurable impacts of global warming in 45 years

7. Dispersive solid phase microextraction based on magnesium oxide nanoparticles for preconcentration of auramine O and methylene blue from water samples

8. Effect of Training Sessions on Awareness, Disease Management, and Quality of Life in Patients with Type 2 Diabetes

9. Computational assessment of groundwater salinity distribution within coastal multi-aquifers of Bangladesh

10. Carboxymethyl Chitosan Nano-Fibers for Controlled Releasing 5-Fluouracil Anticancer Drug

11. Coupled online sequential extreme learning machine model with ant colony optimization algorithm for wheat yield prediction

12. An improved adaptive neuro fuzzy inference system model using conjoined metaheuristic algorithms for electrical conductivity prediction

13. An efficient and durable bifunctional electrocatalyst based on SnO2/CNT toward electrocatalytic full water splitting

14. Application of the ANOVA method in the optimization of a thermoelectric cooler-based dehumidification system

15. Modification optical properties of TiO2 nanostructure as solar cell

16. Thermal analysis of hydration process in the vicinity of the Copper matrix using molecular dynamics simulation for application in thermal engineering

17. Design of low-energy buildings in densely populated urban areas based on IoT

18. Thermal effectiveness of solar collector using Graphene nanostructures suspended in ethylene glycol–water mixtures

19. The effect of hydrophilic and hydrophobic surfaces on the thermal and atomic behavior of ammonia/copper nanofluid using molecular dynamics simulation

20. MXene/metal and polymer nanocomposites: Preparation, properties, and applications

21. Practice of intercropping and its impact on legume productivity in Egypt
22. Polymeric nanocomposite membranes for gas separation: Performance, applications, restrictions and future perspectives
23. Mesoporous high-surface-area activated carbon from biomass waste via microwave-assisted-H3PO4 activation for methylene blue dye adsorption: An optimized process
24. Numerical study of obstacle effect on atomic behavior of argon fluid flow inside a nanochannel with molecular dynamics approach
25. Multi-step daily forecasting of reference evapotranspiration for different climates of India: A modern multivariate complementary technique reinforced with ridge regression feature selection
26. The effect of green belt as an environmentally friendly approach on energy consumption reduction in buildings
27. What is the influence of grape products on liver enzymes? A systematic review and meta-analysis of randomized controlled trials
28. Phytochemical profile, in vivo anti-inflammatory and wound healing activities of the aqueous extract from aerial parts of Cistus ladanifer L
29. Computational study of the effect of Fe-doping on the sensing characteristics of BC3 nano-sheet toward sulfur trioxide
30. Potential application of AlP nanosheet semiconductor in the detection of toxic phosgene, thiophosgene, and formaldehyde gases
31. New material for addressing charge transport issue in DSSCs: Composite WS2/MoS2 high porosity counter electrodes
32. Comparative examination of the physical parameters of the sol gel produced compounds La0.5Ag0.1Ca0.4MnO3 and La0.6Ca0.3Ag0.1MnO3
33. The Association of Serum Calcium and Vitamin D with Insulin Resistance and Beta-Cell Dysfunction among People with Type 2 Diabetes
34. The emerging role of microbiota-derived short-chain fatty acids in immunometabolism
35. SDN-assisted technique for traffic control and information execution in vehicular adhoc networks
36. An innovative clustering technique to generate hybrid modeling of cooling coils for energy analysis: A case study for control performance in HVAC systems
37. Earth skin temperature long-term prediction using novel extended Kalman filter integrated with Artificial Intelligence models and information gain feature selection
38. Role of Alloying Composition on Mechanical Properties of CuZr Metallic Glasses During the Nanoindentation Process
39. Multi-strategy Slime Mould Algorithm for hydropower multi-reservoir systems optimization
40. Households’ perceptions and socio-economic determinants of climate change awareness: Evidence from Selangor Coast Malaysia
41. Efficient Heat Transfer Augmentation in Channels with Semicircle Ribs and Hybrid Al2O3-Cu/Water Nanofluids
42. Alendronate reinforced polycaprolactone-gelatin-graphene oxide: A promising nanofibrous scaffolds with controlled drug release
43. Graphene and carbon structures and nanomaterials for energy storage
44. Investigation of recent progress in metal-based materials as catalysts toward electrochemical water splitting
45. A comprehensive review on pulsed laser deposition technique to effective nanostructure production: trends and challenges
47. Using Agarwal analytical approach with superposition rate and time solutions to analyze multi and single well systems
48. Ultrasound and microwave irradiated sustainable synthesis of 5- and 1-substituted tetrazoles in TAIm[I] ionic liquid
49. Delineation of urban expansion and drought-prone areas using vegetation conditions and other geospatial indices
50. Effect of tomato consumption on inflammatory markers in health and disease status: A systematic review and meta-analysis of clinical trials
51. Effects of short-term exposure to the heavy metal, nickel chloride (Nicl2) on gill histology and osmoregulation components of the gray mullet, Mugil cephalus
52. Integrated approach to evaluate unstable rocky slopes: case study of Aqabat Al-Sulbat road in Aseer Province, Saudi Arabia
53. Evaluating the potential of graphene-like boron nitride as a promising cathode for Mg-ion batteries
55. Catalytic filtration: efficient C-C cross-coupling using Pd(II)-salen complex-embedded cellulose filter paper as a portable catalyst
57. Evaluation of the antioxidant properties of microalgae naturally isolated from Mediterranean Morocco
58. Optimized Green Extraction of Polyphenols from Cassia javanica L. Petals for Their Application in Sunflower Oil: Anticancer and Antioxidant Properties
59. Assessing the Impact of Groundwater Extraction on the Performance of Fractured Concrete Subsurface Dam in Controlling Seawater Intrusion in Coastal Aquifers
60. Detection of Salmonella spp. By Traditional and PCR Assays in Raw Milk, Maysan, Iraq
61. Forecasting weekly reference evapotranspiration using Auto Encoder Decoder Bidirectional LSTM model hybridized with a Boruta-CatBoost input optimizer
62. Gram scale, metal-free and selective aerobic oxidation of alcohol and alkyl benzenes using homogeneous recyclable TAIm[MnO4] oxidative ionic liquid under mild conditions: Microwave/ultrasonic-assisted to carboxylic acid
63. New soliton solutions of Simplified Modified Camassa Holm equation, Klein–Gordon–Zakharov equation using First Integral Method and Exponential Function Method
64. Long-term multi-step ahead forecasting of root zone soil moisture in different climates: Novel ensemble-based complementary data-intelligent paradigms
65. Optimized video internet of things using elliptic curve cryptography based encryption and decryption
66. Protective effects of dietary Lavender (Lavandula officinalis) essential oil against Malathion-induced toxicity in rainbow trout (Oncorhynchus mykiss)
67. Surface water sodium (Na+) concentration prediction using hybrid weighted exponential regression model with gradient-based optimization
68. Beneficial alterations in growth performance, blood biochemicals, immune responses, and antioxidant capacity of common carp (Cyprinus carpio) fed a blend of Thymus vulgaris, Origanum majorana, and Satureja hortensis extracts
69. Diagnostic role of dynamic contrast-enhanced magnetic resonance imaging in differentiating breast lesions
70. Evaluation of the outcomes of using iliac bone graft for reconstruction of traumatic orbital floor fractures
71. Intolerance of Uncertainty Scale-12: Psychometric Properties of This Construct Among Iranian Undergraduate Students
72. Groundwater level prediction using machine learning models: A comprehensive review
73. Synthesis and Characterization of CoFe2 O4 Nanoparticles and Its Application in Removal of Reactive Violet 5 from Water
74. ZnO/Co3 O4 Nanocomposites: Novel Preparation, Characterization, and Their Performance toward Removal of Antibiotics from Wastewater
75. Natural Time Series Parameters Forecasting: Validation of the Pattern-Sequence-Based Forecasting (PSF) Algorithm; A New Python Package
76. Distributed Hydrological Model Based on Machine Learning Algorithm: Assessment of Climate Change Impact on Floods
77. Delineating the Crop-Land Dynamic due to Extreme Environment Using Landsat Datasets: A Case Study
78. The effect of conjugated linoleic acid supplementation on oxidative stress markers: A systematic review and meta-analysis of randomized controlled trials
80. Bone morphogenetic protein (BMP)-modified graphene oxide-reinforced polycaprolactone–gelatin nanofiber scaffolds for application in bone tissue engineering

81. The characterization of cold welding process in CuZr metallic glasses with dissimilar alloying compositions
82. Physical properties of PEG coated Y doped ZnO nanoparticles and their potential as high gamma dose thermoluminescence material
83. Cytotoxicity evaluation of environmentally friendly synthesis Copper/Zinc bimetallic nanoparticles on MCF-7 cancer cells
84. Dietary Dracocephalum kotschyi essential oil improved growth, haematology, immunity and resistance to Aeromonas hydrophila in rainbow trout (Oncorhynchus mykiss)
85. The impact of climate change on land degradation along with shoreline migration in Ghoramara Island, India
86. Effect of land use land cover changes on land surface temperature during 1984–2020: a case study of Baghdad city using landsat image
87. Predictability performance enhancement for suspended sediment in rivers: Inspection of newly developed hybrid adaptive neuro-fuzzy system model
88. Comprehensive comparison of various machine learning algorithms for short-term ozone concentration prediction
89. Emerging optical and electrochemical biosensing approaches for detection of ciprofloxacin residues in food and environment samples: A comprehensive overview
90. Presence of Escherichia coli O157:H7 in Dairy Farms located in Najaf, Baghdad, Kirkuk, and Erbil, Iraq
91. Evaluating the Level of Serum IL-23 in Brucellosis Infection by ELISA and Investigating its Relationship in Cases with Failure to Respond to Treatment
92. Ovine Pasteurellosis Vaccine: Assessment of the Protective Antibody Titer and Recognition of the Prevailing Serotypes
93. Investigation of in vitro Cytotoxicity of Chelidonium majus against Leishmania Major
94. The Potential Benefits of Legumes Germ and Cereal Grains on Roosters' Reproductive Performance
95. Thermal and Hydraulic Performances of Carbon and Metallic Oxides-Based Nanomaterials
96. Effect of High Temperature on Thermal Analysis, Structure and Morphology of CeO2 Nanoparticles Prepared by Hydrothermal Method
97. The effects of initial rejuvenation on the cold joining behavior of Cu60Zr40 metallic glass
98. Preparation of antibacterial Gel/PCL nanofibers reinforced by dicalcium phosphate-modified graphene oxide with control release of clindamycin for possible application in bone tissue engineering
99. Prediction of molecular diffusivity of organic molecules based on group contribution with tree optimization and SVM models

100. Dynamics analysis of a novel hybrid deep clustering for unsupervised learning by reinforcement of multi-agent to energy saving in intelligent buildings

101. Application of extracellular vesicles derived from mesenchymal stem cells as potential therapeutic tools in autoimmune and rheumatic diseases

102. Temperature and precipitation trend analysis of the Iraq Region under SRES scenarios during the twenty-first century
103. Integrative artificial intelligence models for Australian coastal sediment lead prediction: An investigation of in-situ measurements and meteorological parameters effects
104. Development of new computational machine learning models for longitudinal dispersion coefficient determination: case study of natural streams, United States
105. Investigation of the Geotechnical Properties and Estimation of the Relative Density from the Standard Penetration Test in Sandy Soils (Case Study: North East of Iran)

106. Temporal dynamic drought interpretation of Sawa Lake: case study located at the Southern Iraqi region
107. Application of aluminum nitride nanotubes as a promising nanocarriers for anticancer drug 5-aminosalicylic acid in drug delivery system

108. Abundant wave solutions for generalized Hietarinta equation with Hirota's bilinear operator

109. Transfer hydrogenation of nitroarenes using cellulose filter paper-supported Pd/C by filtration as well as sealed methods

110. Efficiency of Purified Laccase from Pseudomonas Spp. as Bioremediator Agent in Gasoline Contaminated Soils

111. Evaluating the Biofilm Inhibitory Effect of Flavonoids Exracts Purfrom Orange (Citrus sinensis L.) Peel

112. Role Silver and Bimetallic Nano Particles Synthesized by Green Chemical Methods for their Therapeutic Potential for Cancer: A Review


114. Role of Hydrogel and Study of its High-Efficiency to Removal Streptomycin drug from Aqueous Solutions

115. Enhancement of Ciprofloxacin Activity against Uropathogenic Bacteria by Synergistic Effect of Purified Bacteriocin from Staphylococcus epidermidis

116. Molecular Identification of Cystoisospora Belli in Patients Infected with the Virus Human Immunodeficiency

117. Blood Hemolytic Activity and Acute Toxicity of Saponins extract from Lepodium aucheri Boiss.

118. The Correlation of BMI and Age to Some Hormonal Indices in Iraqi Women with the Polycystic Ovarian Syndrome

119. NUCLEAR STRUCTURE OF RARE-EARTH172 Er,174 Yb,176 Hf,178 W,180 Os NUCLEI

120. Synthesis and characterization of Co3O4 nanoparticles: Application as performing anode in Li-ion batteries
121. Reference evapotranspiration prediction using high-order response surface method

122. Optimization and design of machine learning computational technique for prediction of physical separation process


124. The effects of hydrogen doping on energy state of shear bands in a Zr-Based metallic glass

125. On the prediction of methane fluxes from pristine tropical peatland in Sarawak: application of a denitrification–decomposition (DNDC) model

126. Development of new machine learning model for streamflow prediction: case studies in Pakistan

127. Extracting epileptic features in EEGs using a dual-tree complex wavelet transform coupled with a classification algorithm

128. Implementation of AdaBoost and genetic algorithm machine learning models in prediction of adsorption capacity of nanocomposite materials

129. Recent advances in biosensor devices for HER-2 cancer biomarker detection


131. Noise reduction and mammography image segmentation optimization with novel QIMFT-SSA method

132. River water turbidity removal using new natural coagulant aids: case study of Euphrates River, Iraq

133. Assessing the Efficiency of Remote Sensing and Machine Learning Algorithms to Quantify Wheat Characteristics in the Nile Delta Region of Egypt

134. Green synthesis of RGO-ZnO mediated Ocimum basilicum leaves extract nanocomposite for antioxidant, antibacterial, antidiabetic and photocatalytic activity

135. Quantum chemical study the interaction between thiopeta drug and silicon doped graphdiyne

136. Role of thermal history on atomic structure and ductility of ion-irradiated metallic glasses

137. Effects of two-equation turbulence models on the convective instability in finned channel heat exchangers
138. Adsorption of Pb(II) and Cd(II) by magnetic chitosan-salicylaldehyde Schiff base: Synthesis, characterization, thermal study and antibacterial activity

139. Ca12O12 nanocluster as highly sensitive material for the detection of hazardous mustard gas: Density-functional theory

140. Boosted artificial intelligence model using improved alpha-guided grey wolf optimizer for groundwater level prediction: Comparative study and insight for federated learning technology

141. Multiple machine learning models for prediction of CO2 solubility in potassium and sodium based amino acid salt solutions

142. Mutating fuzzy logic model with various rigorous meta-heuristic algorithms for soil moisture content estimation

143. A new insight for real-time wastewater quality prediction using hybridized kernel-based extreme learning machines with advanced optimization algorithms

144. Texture analysis based graph approach for automatic detection of neonatal seizure from multi-channel EEG signals

145. The role of amino acid functionalization for improvement of adsorption Thioguanine anticancer drugs on the boron nitride nanotubes for drug delivery

146. An Eigenvalues-Based Covariance Matrix Bootstrap Model Integrated With Support Vector Machines for Multichannel EEG Signals Analysis

147. Prediction of Successful Induction of Labor using Ultrasonic Fetal Parameters

148. Heat transfer and hemodynamic analysis of systolic and diastolic hypertension on abdominal aortic thrombosis

149. Methylene blue photodegradation using as-synthesized CeO2 nanoparticles

150. Comparison of machine learning techniques for predicting porosity of chalk

151. Hydrothermal and energy analysis of flat plate solar collector using copper oxide nanomaterials with different morphologies: Economic performance

152. FRACTIONAL ORDER MODEL FOR THE CORONAVIRUS (COVID-19) IN WUHAN, CHINA
153. JENSEN-MERCER INEQUALITY and RELATED RESULTS in the FRACTAL SENSE with APPLICATIONS

154. Daily scale evapotranspiration prediction over the coastal region of southwest Bangladesh: new development of artificial intelligence model

155. Quality Control Study of Different Products from Famotidine Tablets in the Iraqi Market [Estudio de Control de Calidad de Diferentes Productos de Tabletas de Famotidina en el Mercado Iraquí]

156. Evaluate the Development of Medical Tourism by Cognitive Mapping Technique

157. Investigating the relationship between land alteration and the urban heat island of Seville city using multi-temporal Landsat data

158. Aptamer Based Nanoprobes for Detection of Foodborne Virus in Food and Environment Samples: Recent Progress and Challenges

159. Prediction of hydropower generation via machine learning algorithms at three Gorges Dam, China

160. Protective effects of summer savory (Satureja hortensis) oil on growth, biochemical, and immune system performance of common carp exposed to pretilachlor herbicide

161. The Impact of Knowledge-based Economy on the Economic Growth of Middle Eastern Countries

162. Analyzing food production risk with Monte Carlo simulation

163. Developing Smart Self Orienting Solar Tracker for Mobile PV Power Generation Systems

164. Evaluating the hydrophilic antioxidant capacity in different citrus genotypes

165. Application of Vortex Generators to Remove Heat Trapped in Closed Channels

166. THE IMPACT OF KINESIOTAPING COLOR ON PHYSICAL PERFORMANCE IN ADOLESCENT SOCCER PLAYERS IN ANKLE INJURIES

167. EFFECTS OF KINESIO TAPE ON FUNCTIONAL PERFORMANCE AND ANTERIOR CRUCIATE LIGAMENT RUPTURE IN JUVENILE FEMALE SOCCER PLAYERS
168. Forecasting Daily Flood Water Level Using Hybrid Advanced Machine Learning Based Time-Varying Filtered Empirical Mode Decomposition Approach
170. The deciphering of the immune cells and marker signature in COVID-19 pathogenesis: An update
171. The effect of flaxseed oil consumption on blood pressure among patients with metabolic syndrome and related disorders: A systematic review and meta-analysis of randomized clinical trials
172. Development of New Control Charts to Monitor Product Failure Times with Normal and Log Normal Distributions
174. Improved Fitness-Dependent Optimizer for Solving Economic Load Dispatch Problem
175. Multi-objective Mathematical Modeling for Scheduling Machines in Parallel with Batch Processors

176. A Multi-Objective Mathematical Model for the Population-Based Transportation Network Planning
177. Developing a robust model to predict depth of anesthesia from single channel EEG signal
178. Smartphone-Based Techniques Using Carbon Dot Nanomaterials for Food Safety Analysis

179. DFT investigation of BN, AlN, and SiC fullerene sensors for arsine gas detection and removal

181. Investigating the effect of Islamic values on citizenship behaviours of Muslim citizens
182. Cloud computing and IoT integration for health checking system
183. An Investigation for Heavy Metals' Contamination in Farmers' Fingernails: Case Study in Libya

184. Zinc (II) complex immobilized on the surface of magnetic nanoparticles modified with phenanthroline: A novel and efficient nanomagnetic reusable catalyst for cross-coupling reaction of aryl iodides with terminal aromatic alkynes

185. Projecting spatiotemporal changes of precipitation and temperature in Iraq for different shared socioeconomic pathways with selected Coupled Model Intercomparison Project Phase 6
186. The effects of alloying composition on plasticity and strength of notched metallic glasses

187. Investigating the Effect of Using Game-Based Learning on EFL Learners' Motivation and Anxiety

188. The impact of Islamic work ethics on organisational culture among Muslim staff

189. Overview of risk factors in the use of antihypertensive biomaterials drugs in medical prescriptions

190. Study Effect of Nitro group on Some Properties Polycyclic Aromatic Hydrocarbons (Anthracene; Phenanthrene)

191. The Effects of Temperature and Impact Velocity on the Shock Wave Response of Pore-Embedded Metallic Glasses

192. Study the Effect of Dielectric Permittivity and Changing Substrates Material on Microstrip Patch Antenna

193. Design and Implementation of DWDM-FSO system for Tbps data rates with different atmospheric Attenuation


195. A GIS-based Network Analysis for Truck Vehicles in Baghdad's City Road Network

196. Study on herbicide residues in soybean processing based on UPLC-MS/MS detection

197. Evaluation of food processing with the management of food, water, and energy nexus in Baghdad, Iraq

198. Integration of Multiple Models with Hybrid Artificial Neural Network-Genetic Algorithm for Soil Cation-Exchange Capacity Prediction

199. Magnetic Nanoparticles Modified With di(Pyridin-2-yl)Amine Ligand Supported Copper Complex: A Novel and Efficient Magnetically Reusable Catalyst for A3 Coupling and C-S Cross-Coupling Reactions

200. Magnetic nanoparticles supported zinc (II) complex (Fe3O4@SiO2-Imine/Thio-Zn(OAc)2): a green and efficient magnetically reusable zinc nanocatalyst for synthesis of nitriles via cyanation of aryl iodides

201. In-vitro evaluation of anticancer activity of natural flavonoids, apigenin and hesperidin
202. Novel Optical Soliton Waves in Metamaterials with Parabolic Law of Nonlinearity via the IEFM and ISEM

203. Design a promising non-precious electro-catalyst for oxygen reduction reaction in fuel cells

204. MALL and EFL Learners’ Speaking: Impacts of Duolingo and WhatsApp Applications on Speaking Accuracy and Fluency

205. Cyanobacteria blue-green algae prediction enhancement using hybrid machine learning–based gamma test variable selection and empirical wavelet transform

206. Effect of Sr+ ion Concentration on Microstructure and Dielectric properties of Barium Strontium Titanate Ceramics

207. Magnetic Nanoparticles Supported Copper Nanocomposite: A Highly Active Nanocatalyst for Synthesis of Benzothiazoles and Polyhydroquinolines

208. Delineation of urban expansion influences urban heat islands and natural environment using remote sensing and GIS-based in industrial area

209. Clockwise and counter clockwise 6 & 9 year geostrophic MC (& Rossby) waves in centre of the mechanism of geomagnetic jerks and relevant LODs

210. Theoretical and experimental studies of copper(II) and nickel(II) complexes derived from the ligand N-benzyl benzimidazole as corrosion inhibitors in ionic and bacterial media

211. Investigating fullerene-oxide nanostructure as an adsorbent of ammonia: Complexation efficiency by density functional theory

212. N-Lump to the (2+1)-Dimensional Variable-Coefficient Caudrey–Dodd–Gibbon–Kotera–Sawada Equation

213. Removal of heavy metals using food industry waste as a cheap adsorbent

214. Optimization of raw material properties of natural starch by food glue based on dry heat method

215. The role of fat-producing yeasts in reducing food industry waste

216. On the Dynamics of a Viscoelastic Fluid-Conveying Nanotube

217. Orodispersible Tablets: A Review on Recent Trends in Drug Delivery

218. Copper (II) complex supported on the surface of magnetic nanoparticles modified with S-benzylisothiourea (Fe3O4@SiO2-SMTU-Cu): A new and efficient nanomagnetic catalyst for the synthesis of quinazolines and amides
219. Optimizing Fluid Flow Cooling in Gas Transmission Systems

220. Student Performance Predictions for Advanced Engineering Mathematics Course With New Multivariate Copula Models

221. High School Students' Attitudes towards E-Learning and Impacts of Online Instruction on Their General English Learning: Challenges and Issues

222. Assessing the Effects of Gamification on Developing EFL Learners' Idiomatic Knowledge: Do Attitudinal Factors Contribute to the Learning of the Idioms with the Game?

223. Spectrophotometric determination of folic acid using 1,10-phenanthroline materials with ninhydrin reagent

224. Effect of lamination layer thickness and abutment preparation on the fit of Co-Cr multi-unit prostheses fabricated by additive manufacturing: An in vitro study

225. A review on material analysis of food safety based on fluorescence spectrum combined with artificial neural network technology

226. Manakov model of coupled NLS equation and its optical soliton solutions

227. The Effect of Firing Cycles on the Fit of Cobalt-Chromium Multiunit Prostheses Fabricated by Additive Manufacturing

228. Reading Digital Texts vs. Reading Printed Texts: Which One Is More Effective in Iranian EFL Context?

229. Comparing the Effectiveness of Massive Open Online Course (MOOC) and Flipped Instruction on EFL Learners' Reading Comprehension


231. Agriculture in Developing Countries: Cultural Differences, Vectors of Sustainable Development, Digitalization, and International Experience

232. Environmental and Energy Efficiency as a Criterion for Sustainable Agriculture

233. Scrutinizing the Effects of e-Learning on Enhancing EFL Learners' Reading Comprehension and Reading Motivation

234. An Empirical Study on the Effects of Using Kahoot as a Game-Based Learning Tool on EFL Learners’ Vocabulary Recall and Retention
235. Morphological Control: Properties and Applications of Metal Nanostructures

236. Determination of the antioxidant and mineral contents of raspberry varieties

237. Investigation of parameters in restaurant food waste for use as poultry rations

238. Evaluation of Bone Mineral Density, Serum Osteocalcin, and Osteopontin Levels in Postmenopausal Women with Type 2 Diabetes Mellitus, with/without Osteoporosis

239. Assessment effects and risk of nosocomial infection and needle sticks injuries among patents and health care worker

240. Grasshopper Optimization Algorithm with Crossover Operators for Feature Selection and Solving Engineering Problems

241. Heat transfer and fluid flow analysis over the microscale backward-facing step using βGa2O3 nanoparticles

242. The Comparative Effect of Online Instruction, Flipped Instruction, and Traditional Instruction on Developing Iranian EFL Learners' Vocabulary Knowledge


244. Combined Effects of Annealing and Cyclic Loading on Structural Rejuvenation and Mechanical Properties of CuZr Metallic Glass: A Molecular Dynamics Study

245. Deep learning versus gradient boosting machine for pan evaporation prediction

246. Ir-decorated gallium nitride nanotubes as a chemical sensor for recognition of mesalamine drug: a DFT study

247. Prediction of Fractures and Cracks to Improve the Drilling Operations

248. A novel intelligent deep learning predictive model for meteorological drought forecasting

249. Maximization of Water Productivity and Yield of Two Iceberg Lettuce Cultivars in Hydroponic Farming System Using Magnetically Treated Saline Water

250. Determinant of Covariance Matrix Model Coupled with AdaBoost Classification Algorithm for EEG Seizure Detection

251. Study on Uncertainty Analysis for Drilling Engineering Applications: Wellbore Stability Assessments

252. Discharge coefficient prediction of canal radial gate using neurocomputing models: an investigation of free and submerged flow scenarios

253. Role of compositional changes on thermal, magnetic, and mechanical properties of Fe-P-C-based amorphous alloys

254. Positive parity low-spin states of even–odd 129–133Ba isotopes
255. Fractal fractional derivative on chemistry kinetics hires problem
256. Effects of binary hybrid nanofluid on heat transfer and fluid flow in a triangular-corrugated channel: An experimental and numerical study
257. Performance evaluation of analytical methods in linear flow data for hydraulically-fractured gas wells
258. Integration of extreme gradient boosting feature selection approach with machine learning models: application of weather relative humidity prediction
260. The assessment of emerging data-intelligence technologies for modeling Mg+2 and SO4−2 surface water quality
261. Alpha-1antitrypsin in pre-eclampsia; from a clinical perspective
262. Synthesis, characterization and photodegradation studies of copper oxide–graphene nanocomposites
263. Advanced binder-free electrode based on cuco2o4 nanowires coated with polypyrrole layer as a high-performance nonenzymatic glucose sensing platform
264. Projection of agricultural water stress for climate change scenarios: A regional case study of Iraq
265. The effects of Ni or Nb additions on the relaxation behavior of Zr55Cu35Al10 metallic glass
266. New classifications of nonlinear Schrödinger model with group velocity dispersion via new extended method
267. Meshless method based on RBFs for solving three-dimensional multi-term time fractional PDEs arising in engineering phenomenons
268. A thermal conductivity model for hybrid heat and mass transfer investigation of single and multi-wall carbon nano-tubes flow induced by a spinning body
269. Streamflow prediction using an integrated methodology based on convolutional neural network and long short-term memory networks

270. Deep Learning for Prediction of Water Quality Index Classification: Tropical Catchment Environmental Assessment
271. Integration of complete ensemble empirical mode decomposition with deep long short-term memory model for particulate matter concentration prediction
272. Effect of Water Flooding on Oil Reservoir Permeability: Saturation Index Prediction Model for Giant Oil Reservoirs, Southern Iraq
273. Variational mode decomposition based random forest model for solar radiation forecasting: New emerging machine learning technology
274. An accelerated gradient-based optimization development for multi-reservoir hydropower systems optimization
275. Frictional pressure drop and cost savings for graphene nanoplatelets nanofluids in turbulent flow environments
276. Influence of different rotations of organic formamidinium molecule on electronic and optical properties of FAPbBr3 perovskite
277. Outdoor thermal comfort optimization through vegetation parameterization: Species and tree layout
278. Flexural strength of internally stiffened tubular steel beam filled with recycled concrete materials
279. Monthly inflow forecasting utilizing advanced artificial intelligence methods: a case study of Haditha Dam in Iraq
280. Computational study for the conformable nonlinear Schrödinger equation with cubic–quintic–septic nonlinearities
281. Investigation into the permeability and strength of pervious geopolymer concrete containing coated biomass aggregate material
282. Performance of the novel C-purlin tubular beams filled with recycled-lightweight concrete strengthened with CFRP sheet
283. Improving streamflow prediction using a new hybrid ELM model combined with hybrid particle swarm optimization and grey wolf optimization
284. Details on the hydrothermal characteristics within a solar-channel heat-exchanger provided with staggered t-shaped baffles
285. Several integral inequalities of hermite–hadamard type related to k-fractional conformable integral operators
286. Determination of cotton and wheat yield using the standard precipitation evaporation index in Pakistan
287. New impressive behavior of the exact solutions to the Benjamin-Bona-Mahony-Burgers equation with dual power-law nonlinearity against its numerical solution
288. Drought variability and characteristics in the muda river basin of malaysia from 1985 to 2019
289. Exploring the exhaust emission and efficiency of algal biodiesel powered compression ignition engine: Application of box–behnken and desirability based multi-objective response surface methodology
290. Numerical analysis of natural convection driven flow of a non-Newtonian power-law fluid in a trapezoidal enclosure with a U-shaped constructal
291. Functionalization of remote sensing and on-site data for simulating surface water dissolved oxygen: Development of hybrid tree-based artificial intelligence models
292. An intelligent evolutionary extreme gradient boosting algorithm development for modeling scour depths under submerged weir
293. Factors affecting gel strength design for conformance control: An integrated investigation
294. Designing low-cost capacitive-based soil moisture sensor and smart monitoring unit operated by solar cells for greenhouse irrigation management
295. THE POTENCY OF VITAMIN D RECEPTOR GENE VARIANTS ON THE FREQUENCY OF MICRONUCLEI IN IRAQI WOMEN WITH POLYCYSTIC OVARY SYNDROME
296. HORMONAL PROFILE OF MEN DURING INFERTILITY
297. STUDY OF THE DISTRIBUTION GENES RESPONSIBLE FOR ADHESION AND GENE RELATED TO THE PROTEINS SYNTHESIS OF THE CAPSULE IN UROPATHOGENIC ESCHERICHIA COLI

298. Heat transfer and hydrodynamic properties using different metal-oxide nanostructures in horizontal concentric annular tube: An optimization study

299. Solving the pan evaporation process complexity using the development of multiple mode of neurocomputing models

300. Statistical modeling and mechanistic pathway for methylene blue dye removal by high surface area and mesoporous grass-based activated carbon using K2CO3 activator

301. An insight into machine learning models era in simulating soil, water bodies and adsorption heavy metals: Review, challenges and solutions

302. Prediction of copper ions adsorption by attapulgite adsorbent using tuned-artificial intelligence model

303. River water level prediction in coastal catchment using hybridized relevance vector machine model with improved grasshopper optimization

304. A functional autoregressive model based on exogenous hydrometeorological variables for river flow prediction

305. The effects of oxygen–ozone therapy on regulatory T-cell responses in multiple sclerosis patients


307. Simulation model for optimal operation of Dokan Dam reservoir northern of Iraq

308. Assessment of novel nature-inspired fuzzy models for predicting long contraction scouring and related uncertainties

309. Modeling soil temperature using air temperature features in diverse climatic conditions with complementary machine learning models

310. Effect of deposition time on the structure, direct and indirect energy gap of nanoparticles CdO thin films deposited by chemical bath deposition technique

311. Experimental and theoretical analysis of energy efficiency in a flat plate solar collector using monolayer graphene nanofluids

312. The development of evolutionary computing model for simulating reference evapotranspiration over Peninsular Malaysia

313. Impact of Sintering Temperature on Crystallite size and Optical Properties of SnO2 Nanoparticles

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