

بحوث جامعة وارث الأنبياء المنشورة في مستوعبات سكوباس لسنة 2024

no	Title	Year	Source title	DOI
1	Synergistic enhancement of oxygen evolution reaction catalysis with polythiophene-based composite electrodes incorporating NiCo-LDH and NiCo <sub>2</sub> S <sub>4</sub>	2024	International Journal of Hydrogen Energy	10.1016/j.ijhydene.2024.07.226
2	Adsorption of heavy metals from wastewater by chitosan: A review	2024	Results in Engineering	10.1016/j.rineng.2024.102404
3	Synthesis and characterization of a Pd Schiff base complex anchored on Fe <sub>3</sub> O <sub>4</sub> as a novel and recyclable catalyst for C–C cross-coupling reactions	2024	Journal of Molecular Structure	10.1016/j.molstruc.2024.138620
4	Fabrication of an economical and environmentally friendly electrode utilizing fullerene modified with L-proline and coated with copper nanoparticles for enantioselective electro-organic henry reaction in the presence of NaCl electrolyte	2024	Journal of Molecular Structure	10.1016/j.molstruc.2024.138942
5	Optimizing charge transport in hybrid GaN-PEDOT:PSS/PMMADevice for advanced application	2024	Scientific Reports	10.1038/s41598-024-63197-3
6	Removal of erythrosine B dye from wastewater using Ca <sub>2</sub> C and Ti <sub>2</sub> C MXenes: A theoretical study	2024	Journal of Molecular Liquids	10.1016/j.molliq.2024.125784
7	Synthesis of magnetic nanoparticle (Pd-DBA@NiFe <sub>2</sub> O <sub>4</sub> ) as a novel, green, efficient, and heterogeneous catalyst for C–S and C–C cross-coupling reactions	2024	Journal of Molecular Structure	10.1016/j.molstruc.2024.138539
8	Comparative analysis of solar cells and hydrogen fuel: A mini-review	2024	Results in Engineering	10.1016/j.rineng.2024.102507
9	Simulation study of a practical approach to enhance cadmium removal via biological treatment by controlling the concentration of MLSS	2024	Scientific Reports	10.1038/s41598-023-50843-5
10	Vibrational convection in thermal systems: Nano-encapsulated phase change material in a porous enclosure	2024	International Communications in Heat and Mass Transfer	10.1016/j.icheatmasstransfer.2024.107719
11	Geometrical optimization of solar venetian blinds in residential buildings to improve the economic costs of the building and the visual comfort of the residents using the NSGA-II algorithm	2024	International Communications in Heat and Mass Transfer	10.1016/j.icheatmasstransfer.2024.107723
12	Thirteen vital factors for micro-scale radial turbine vane's design of geo-solar-powered Brayton cycle applications	2024	Energy Conversion and Management	10.1016/j.enconman.2024.118774
13	Discrete heating of turbulent FSI in a vented lid-driven enclosure	2024	International Communications in Heat and Mass Transfer	10.1016/j.icheatmasstransfer.2024.107910
14	Technical and financial feasibility of a chemicals recovery and energy and water production from a dairy wastewater treatment plant	2024	Scientific Reports	10.1038/s41598-024-61699-8
15	UAV propeller fault diagnosis using deep learning of non-traditional $\chi^2$ -selected Taguchi method-tested Lempel–Ziv complexity and Teager–Kaiser energy features	2024	Scientific Reports	10.1038/s41598-024-69462-9
16	Predictive analysis of methane-enhanced conversion of organic waste into sustainable fuel: A machine learning approach	2024	Process Safety and Environmental Protection	10.1016/j.psep.2024.06.129
17	Quantitative analysis of heat and mass transfer in MoS <sub>2</sub> -Al <sub>2</sub> O <sub>3</sub> /EG hybrid flow between parallel surfaces with suction/injection by numerical modeling of HPM method	2024	International Journal of Thermofluids	10.1016/j.ijft.2024.100819
18	Iron oxide nanoparticles: The versatility of the magnetic and functionalized nanomaterials in targeting drugs, and gene deliveries with effectual magnetofection	2024	Journal of Drug Delivery Science and Technology	10.1016/j.jddst.2024.105838
19	Production and characterization of bioemulsifier from local isolate of Saccharomyces cerevisiae strain JZT351: Antioxidant and antimicrobial effects	2024	eFood	10.1002/efd2.70001
20	Energy comparison and cost estimation of pressure-retarded osmosis using spiral wound membrane	2024	Desalination and Water Treatment	10.1016/j.dwt.2024.100732
21	Investigation of mechanical behavior of porous carbon-based matrix by molecular dynamics simulation: Effects of Si doping	2024	Journal of Molecular Graphics and Modelling	10.1016/j.jmgm.2024.108836

22	A computational analysis of the impact of nanofluids (Al <sub>2</sub> O <sub>3</sub> ) on the PCM melting process in a rectangular container	2024	Discover Sustainability	10.1007/s43621-024-00429-6
23	A molecular dynamics study of the external heat flux effect on the atomic and thermal behavior of the silica aerogel/ paraffin /CuO nanostructure	2024	International Communications in Heat and Mass Transfer	10.1016/j.icheatmasstransfer.2024.107902
24	Evanescence field engineering to reduce cross-talk in pattern-free suspended graphene-based plasmonic waveguides using nano-strips	2024	Optik	10.1016/j.ijleo.2024.171989
25	Newly developed polymer nanocomposite of chitosan-citrate/ZrO <sub>2</sub> nanoparticles for safranin O dye adsorption: Physicochemical properties and response surface methodology	2024	Materials Chemistry and Physics	10.1016/j.matchemphys.2024.129699
26	The molecular dynamics simulation of coronavirus- based compound (6OHW structure) interaction with interferon beta-1a protein at different temperatures and pressures: Virus destruction process	2024	International Communications in Heat and Mass Transfer	10.1016/j.icheatmasstransfer.2024.107796
27	BP-biphenylene monolayers: A promising anode material for high-performance magnesium-ion batteries	2024	Inorganic Chemistry Communications	10.1016/j.inoche.2024.112805
28	Bridging sustainability and industry through resourceful utilization of pea pods- A focus on diverse industrial applications	2024	Food Chemistry: X	10.1016/j.fochx.2024.101518
29	Fe <sub>2</sub> N <sub>5</sub> P dual-atom catalysts: A pathway to efficient hydrogen evolution in renewable energy applications	2024	Materials Chemistry and Physics	10.1016/j.matchemphys.2024.129785
30	A critical review on the efficient cooling strategy of batteries of electric vehicles: Advances, challenges, future perspectives	2024	Renewable and Sustainable Energy Reviews	10.1016/j.rser.2024.114732
31	Turning food waste-derived ultrasmall gold nanoparticles as a photothermal agent for breast cancer cell eradication	2024	Inorganic Chemistry Communications	10.1016/j.inoche.2024.113030
32	High-sensitive and compact plasmonic temperature sensor based on square-shaped ring resonators	2024	Optik	10.1016/j.ijleo.2024.171956
33	An investigation of deep learning approaches for efficient assembly component identification	2024	Beni-Suef University Journal of Basic and Applied Sciences	10.1186/s43088-024-00537-2
34	Enhanced visible light-assisted photocatalytic activity of g-C <sub>3</sub> N <sub>4</sub> decorated with ZIF-8 and AgI ternary heterojunctions	2024	Inorganic Chemistry Communications	10.1016/j.inoche.2024.113056
35	The effect of sumac on cardiovascular risk factors in adults: A systematic review and meta-analysis of randomized controlled trials	2024	Prostaglandins and Other Lipid Mediators	10.1016/j.prostaglandins.2024.106879
36	Enhancing battery pack safety against cone impact using machine learning techniques and Gaussian noise	2024	Process Safety and Environmental Protection	10.1016/j.psep.2024.08.047
37	Boosting visible-light-promoted photodegradation of norfloxacin by S-doped g-C <sub>3</sub> N <sub>4</sub> grafted by NiS as robust photocatalytic heterojunctions	2024	Journal of Molecular Structure	10.1016/j.molstruc.2024.138611
38	Insights into water-lubricated transport of heavy and extra-heavy oils: Application of CFD, RSM, and metaheuristic optimized machine learning models	2024	Fuel	10.1016/j.fuel.2024.132431
39	Investigation of the anticancer, antibacterial, and anti-inflammatory activity of (R)-(-)-carvone and (S)-(+)-carvone essential oils on Ag <sub>13</sub> , Ag <sub>13</sub> <sup>-</sup> , and Ag <sub>13</sub> <sup>+</sup> silver nanoclusters: A computational study	2024	Inorganic Chemistry Communications	10.1016/j.inoche.2024.112966
40	Application of nitrogen-doped graphene quantum dots composite with quinoline as a solar cells material	2024	Physica B: Condensed Matter	10.1016/j.physb.2024.416239
41	An overview of the improvement of natural convection heat transfer via surface thermal radiation for different geometries	2024	Results in Engineering	10.1016/j.rineng.2024.102514
42	Hybridizing flower pollination algorithm with particle swarm optimization for enhancing the performance of IPv6 intrusion detection system	2024	Alexandria Engineering Journal	10.1016/j.aej.2024.07.127
43	Novel cylindrical solar still integrated with parabolic solar concentrators, vapor extraction fan, and nano-enhanced phase change material	2024	Desalination	10.1016/j.desal.2024.117756
44	Optimization of a photovoltaic/wind/battery energy-based microgrid in distribution network using machine learning and fuzzy multi-objective improved Kepler optimizer algorithms	2024	Scientific Reports	10.1038/s41598-024-64234-x
45	Enhancing coiled solar still performance with vertical wick distiller, reflectors, nanomaterial-infused PCM, and condenser integration	2024	Case Studies in Thermal Engineering	10.1016/j.csite.2024.104912
46	DFT-D study of carbon-doped β12 borophene as a desirable anode material for sodium-ion batteries	2024	Inorganic Chemistry Communications	10.1016/j.inoche.2024.112887

47	Advanced eco-friendly power and cooling cogeneration-thermal energy storage utilizing phase change materials and chemisorption in renewable-based configurations	2024	Thermal Science and Engineering Progress	10.1016/j.tsep.2024.102813
48	Eulerian-Lagrangian numerical investigation of the fluid flow properties and heat transfer of a nanofluid-cooled micro pin-fin heat sink	2024	Journal of the Taiwan Institute of Chemical Engineers	10.1016/j.jtice.2024.105674
49	Evaluation of wavy wall configurations for accelerated heat recovery in triplex-tube energy storage units for building heating applications	2024	Journal of Building Engineering	10.1016/j.jobe.2024.109762
50	Analyzing porous cold storage unit in presence of hybrid nano-powders considering Galerkin method	2024	Case Studies in Thermal Engineering	10.1016/j.csite.2024.104899
51	Correction to: Extremely efficient aerogels of graphene oxide/graphene oxide nanoribbons/sodium alginate for uranium removal from wastewater solution (Scientific Reports, (2024), 14, 1, (1285), 10.1038/s41598-024-52043-1)	2024	Scientific Reports	10.1038/s41598-024-53952-x
52	Augmenting thermal performance in tubular solar stills: A multifaceted strategy with wick cords, integrated baffles, reflectors, and nano-PCM	2024	Results in Engineering	10.1016/j.rineng.2024.102771
53	Metaheuristic algorithms applied in ANN salinity modelling	2024	Results in Engineering	10.1016/j.rineng.2024.102541
54	Edible crickets as a possible way to curb protein-energy malnutrition: Nutritional status, food applications, and safety concerns	2024	Food Chemistry: X	10.1016/j.fochx.2024.101533
55	Numerical evaluation of the impact of using spiral innovative turbulator on improving the thermal performance of a helical double-pipe heat exchanger	2024	International Journal of Thermofluids	10.1016/j.ijft.2024.100830
56	Synthesis of efficient bifunctional Pt/PWA-Nb2O5 nanocatalysts for catalytic isomerization of n-hexane: Experimental and optimization studies	2024	Case Studies in Chemical and Environmental Engineering	10.1016/j.cscee.2024.100898
57	Approximate solutions of the spin and pseudospin symmetries under coshine Yukawa tensor interaction	2024	Scientific Reports	10.1038/s41598-024-58847-5
58	Bio-synthesized ZnO in cesium based perovskite solar cells: A pathway to sustainable high efficiency	2024	Solid State Communications	10.1016/j.ssc.2024.115671
59	Influence of cold plasma treatment on the PS/TiO2 film's optical properties of nanocomposite surfaces	2024	Materials Letters	10.1016/j.matlet.2024.137077
60	Mass transfer influence on the corrosion inhibition of N80 steel in 1 M H2SO4 by green corrosion inhibitor using MATLAB	2024	International Journal of Electrochemical Science	10.1016/j.ijoes.2024.100764
61	Transactive energy framework in fuel cell based multi-carrier energy hubs based on conditional value-at-risk	2024	International Journal of Hydrogen Energy	10.1016/j.ijhydene.2024.07.203
62	Computer-aided study on the two-dimensional hexagonal boron phosphide nanosheets for selective detection of ambient toxic gas	2024	Physica B: Condensed Matter	10.1016/j.physb.2024.416317
63	Effect of applying serpentine channels and hybrid nanofluid for thermal management of photovoltaic cell: Numerical simulation, ANN and sensitivity analysis	2024	Renewable Energy	10.1016/j.renene.2024.121077
64	Battery thermal management system by employing different phase change materials with SWCNT nanoparticles to obtain better battery cooling performance	2024	Case Studies in Thermal Engineering	10.1016/j.csite.2024.104987
65	Adsorption and detection of pnictogen hydrides using T-graphene: A two-dimensional carbon allotrope with tetrarings	2024	Inorganic Chemistry Communications	10.1016/j.inoche.2024.112806
66	Hybrid chitosan/HKUST-1 hydrogel with freezing and thawing modification as sustainable porous material for removal and selective separation of dye mixtures	2024	Journal of Environmental Chemical Engineering	10.1016/j.jece.2024.113696
67	Evaluation of microstructure and mechanical characteristics of 2024 aluminum alloys with $\mu$ -Al2O3 additives produced via hydrostatic cyclic expansion extrusion with back-pressure	2024	Results in Engineering	10.1016/j.rineng.2024.102403
68	A novel strategy to enhance power management in AC/DC hybrid microgrid using virtual synchronous generator based interlinking converters integrated with energy storage system	2024	Energy Reports	10.1016/j.egy.2024.06.001
69	Astounding the anxiolytic and eudemonic potential of certain fruits	2024	Journal of Agriculture and Food Research	10.1016/j.jafr.2024.101302
70	Increment of solidification rate due to radiation and conduction mechanism in existence of porous container filled with nanomaterial	2024	Case Studies in Thermal Engineering	10.1016/j.csite.2024.104850
71	Prediction of heat transfer characteristics and energy efficiency of a PVT solar collector with corrugated-tube absorber using artificial neural network and group method data handling models	2024	International Communications in Heat and Mass Transfer	10.1016/j.icheatmasstransfer.2024.107829
72	Predicting air quality index and fine particulate matter levels in Bagdad city using advanced machine learning and deep learning techniques	2024	Journal of Atmospheric and Solar-Terrestrial Physics	10.1016/j.jastp.2024.106312

73	Heavy Vehicle Crashes at Unsignalized Intersections: Embracing Unobserved Heterogeneity in Injury Severity Analysis	2024	International Journal of Civil Engineering	10.1007/s40999-024-01001-z
74	"An unprecedented occurrence: a case report of pulmonary hypertension manifestation in Donohue syndrome"	2024	BMC Pediatrics	10.1186/s12887-024-04714-1
75	Advancements in Corrosion Prevention Techniques	2024	Journal of Bio- and Tribo-Corrosion	10.1007/s40735-024-00882-w
76	Leak detection and localization in water distribution systems using advanced feature analysis and an Artificial Neural Network	2024	Desalination and Water Treatment	10.1016/j.dwt.2024.100685
77	Application of transition metal doped in boron carbide/graphene heterostructures as an electrode for supercapacitors	2024	Physica B: Condensed Matter	10.1016/j.physb.2024.416370
78	The effect of constant electric field on the crack growth process of aluminum nanosheet using molecular dynamics simulation	2024	Journal of Molecular Graphics and Modelling	10.1016/j.jmgm.2024.108841
79	A new approach for recycling, fabrication, and heat treatment of al base composites reinforced with rice husk ash particles	2024	International Communications in Heat and Mass Transfer	10.1016/j.icheatmasstransfer.2024.107780
80	A shell-tube latent heat thermal energy storage: Influence of metal foam inserts in both shell and tube sides	2024	International Communications in Heat and Mass Transfer	10.1016/j.icheatmasstransfer.2024.107992
81	Microbiome as a biomarker and therapeutic target in pancreatic cancer	2024	BMC Microbiology	10.1186/s12866-023-03166-4
82	Using design of experiment via the linear model of analysis of variance to predict the thermal conductivity of Al <sub>2</sub> O <sub>3</sub> /ethylene glycol-water hybrid nanofluid	2024	International Journal of Thermofluids	10.1016/j.ijft.2024.100829
83	Numerical analysis of hydrothermal performance and entropy generation in an active cooling system: A case study with NEPCM, double-diffusive mixed-convection and MHD	2024	Case Studies in Thermal Engineering	10.1016/j.csite.2024.105064
84	Therapeutic potency of A1 adenosine receptor antagonists in the treatment of cardiovascular diseases, current status and perspectives	2024	Molecular Biology Reports	10.1007/s11033-024-09246-6
85	Numerical investigation for the effects of surface roughness in counter flow microchannel heat exchanger with different channels geometries	2024	Discover Applied Sciences	10.1007/s42452-024-06132-5
86	Versatility of a 2D carbon allotrope with tetrarings in oxygen activation reactions	2024	Materials Science and Engineering: B	10.1016/j.mseb.2024.117625
87	Building of a ternary AgI/ZIF-8/g-C <sub>3</sub> N <sub>4</sub> heterojunction for efficient photodecomposition of organic pollutants in batch and split-plate airlift reactors	2024	Case Studies in Chemical and Environmental Engineering	10.1016/j.cscee.2024.100909
88	Study on fresh and hardened state properties of eco-friendly foamed concrete incorporating waste soda-lime glass	2024	Scientific Reports	10.1038/s41598-024-69572-4
89	CO <sub>2</sub> emission reduction by geothermal-driven CCHP tailored with turbine bleeding and regeneration CHP; economic/multi-aspect comparative analysis with GA-based optimization	2024	Results in Engineering	10.1016/j.rineng.2024.102646
90	Comprehensive study and design optimization of a hybrid solar-biomass system for enhanced hydrogen production and carbon dioxide reduction	2024	Applied Thermal Engineering	10.1016/j.applthermaleng.2024.124074
91	Novel Fe <sub>2</sub> O <sub>3</sub> /Bi <sub>2</sub> O <sub>3</sub> /CeO <sub>2</sub> heterojunction photocatalyst for wastewater treatment: Characterization, photocatalytic performance and mechanism study	2024	Journal of Molecular Liquids	10.1016/j.molliq.2024.125580
92	Extremely efficient aerogels of graphene oxide/graphene oxide nanoribbons/sodium alginate for uranium removal from wastewater solution	2024	Scientific Reports	10.1038/s41598-024-52043-1
93	Active cooling of hot integrated circuits using a rotating cylinder and NEPCM-water mixture: Numerical analysis of the impact of phase change and Magnetohydrodynamics on double-diffusive mixed convection	2024	International Communications in Heat and Mass Transfer	10.1016/j.icheatmasstransfer.2024.107987
94	Influence of shear connector type and degree on semi-rigid joints of composite cold-formed steel beam-to-column connections	2024	Journal of Building Pathology and Rehabilitation	10.1007/s41024-024-00457-9
95	Improving the thermal performance of nano-encapsulated phase change material slurry by changing fins configurations in a rectangular cavity	2024	International Communications in Heat and Mass Transfer	10.1016/j.icheatmasstransfer.2024.107739
96	Innovative biomass waste heat utilization for green hydrogen production: A comparative and optimization study of steam and organic rankine cycles	2024	Process Safety and Environmental Protection	10.1016/j.psep.2024.08.006

97	Numerical analysis is being conducted to investigate the effect of Nano fluids on the melting process of phase change materials (PCMs) in a semi-cylindrical container.	2024	Applications in Engineering Science	10.1016/j.apples.2024.100185
98	Thermal enhancement of a constructal PCM cylindrical heat sink used for prosthetic cooling application	2024	Heat and Mass Transfer/Waerme- und Stoffuebertragung	10.1007/s00231-024-03500-0
99	Optimizing Gaussian process regression (GPR) hyperparameters with three metaheuristic algorithms for viscosity prediction of suspensions containing microencapsulated PCMs	2024	Scientific Reports	10.1038/s41598-024-71027-9
100	Artificial neural network hyperparameters optimization for predicting the thermal conductivity of MXene/graphene nanofluids	2024	Journal of the Taiwan Institute of Chemical Engineers	10.1016/j.jtice.2024.105673
101	Numerical analysis of MHD free convection in curvilinear porous enclosure with two active cylinders filled with NE-phase change material	2024	Journal of Energy Storage	10.1016/j.est.2024.112602
102	Conceptual design and optimization of integrating renewable energy sources with hydrogen energy storage capabilities	2024	International Journal of Hydrogen Energy	10.1016/j.ijhydene.2024.07.071
103	Performance Investigation of Surface Modified Ceramic Microfiltration Membranes of Ionic Water Treatment	2024	Environmental Research, Engineering and Management	10.5755/j01.erem.80.2.34789
104	FDCNN-AS: Federated deep convolutional neural network Alzheimer detection schemes for different age groups	2024	Information Sciences	10.1016/j.ins.2024.120833
105	Simulation of storage of cold energy considering unsteady conduction mechanism in mathematical model	2024	Case Studies in Thermal Engineering	10.1016/j.csite.2024.104591
106	The relationship between metformin administration and age-related macular degeneration; a systematic review and meta-analysis of observational studies	2024	Journal of Nephro pharmacology	10.34172/npj.2024.12690
107	Developing of S-type CaIn2S4/Sb2O3 photocatalyst stimulated by plasmonic BiO nanoparticles for boosted charge transfer mechanism and photocatalytic degradation of antibiotics under simulated solar light irradiation	2024	Solar Energy	10.1016/j.solener.2024.112688
108	The Effect of Chopped Carbon Fibers on the Mechanical Properties and Fracture Toughness of 3D-Printed PLA Parts: An Experimental and Simulation Study	2024	Journal of Composites Science	10.3390/jcs8070273
109	Mathematical modeling of unsteady process of cold storage within a container filled with nanomaterial incorporating Galerkin method	2024	Journal of Energy Storage	10.1016/j.est.2024.112626
110	Numerical analysis of unsteady free convection under the combined influence of inclined magnetohydrodynamic and exothermic chemical reaction in an enclosure filled with nanofluid	2024	International Journal of Thermofluids	10.1016/j.ijft.2024.100704
111	Removal of heavy metal ions from wastewater using two-dimensional transition metal carbides	2024	Journal of Molecular Graphics and Modelling	10.1016/j.jmgm.2024.108774
112	An overview of the progress in the synthesis of nanocomposites for industrial applications: Techniques preparation, definitions, and characterization	2024	Synthetic Metals	10.1016/j.synthmet.2024.117665
113	Fabrication, characterization and application of biocompatible nanocomposites: A review	2024	European Polymer Journal	10.1016/j.eurpolymj.2024.113187
114	Exergy Performance Enhancement of a Gas Turbine Power Plant Using Upstream Cooling Techniques	2024	International Journal of Heat and Technology	10.18280/ijht.420328
115	Improving Soft Subgrade Stability Using a Novel Sustainable Activated Binder Derived from By-Products	2024	Geotechnical and Geological Engineering	10.1007/s10706-024-02830-4
116	EEG Channel Selection for Stroke Patient Rehabilitation Using BAT Optimizer	2024	Algorithms	10.3390/a17080346
117	Hydrothermal analysis of hybrid nanofluid flow inside a shell and double coil heat exchanger; Numerical examination	2024	International Journal of Thermofluids	10.1016/j.ijft.2024.100770
118	Effect of installing branch-shaped fin on cold energy saving during freezing considering nanomaterial	2024	Case Studies in Thermal Engineering	10.1016/j.csite.2024.104799
119	The influences of artery radii and stenosis severity on the thermal behavior of blood by employing Sisko and Lumen models: Numerical study	2024	International Journal of Thermofluids	10.1016/j.ijft.2024.100776
120	The effects of external magnetic field amplitude on atomic and thermal behavior of phase change materials: A molecular dynamic	2024	International Communications in Heat and Mass Transfer	10.1016/j.icheatmasstransfer.2024.107606
121	Enhancing visible-light-based photodegradation of antibiotics over facile constructed BiVO4/S-doped g-C3N4 heterojunctions in an airlift photocatalytic reactor	2024	Journal of Water Process Engineering	10.1016/j.jwpe.2024.105900

122	The effect of size of copper oxide nanoparticles on the thermal behavior of silica aerogel/paraffin nanostructure in a duct using molecular dynamics simulation	2024	Case Studies in Thermal Engineering	10.1016/j.csite.2024.104666
123	Investigating the effect of porosity on the adsorption of doxorubicin by bio-MOF-11 using molecular dynamics simulation	2024	International Communications in Heat and Mass Transfer	10.1016/j.icheatmasstransfer.2024.107644
124	The therapeutic impact of programmed death – 1 in the treatment of colorectal cancer	2024	Pathology Research and Practice	10.1016/j.prp.2024.155345
125	Performance of proton exchange membrane fuel cell system by considering the effects of the gas diffusion layer thickness, catalyst layer thickness, and operating temperature of the cell	2024	Case Studies in Thermal Engineering	10.1016/j.csite.2024.104760
126	Investigation of the optimum cutting conditions during turning aluminum alloy using Taguchi method	2024	AIP Conference Proceedings	10.1063/5.0205957
127	The self-healing performance of asphalt binder and mixtures: a state-of-the-art review	2024	Innovative Infrastructure Solutions	10.1007/s41062-024-01547-w
128	Trends, Recent Advances, and Application of Pulsed Electric Field in Food Processing: A Review	2024	ChemBioEng Reviews	10.1002/cben.202300078
129	Evaluating the role of ivabradine in acute decompensated heart failure: A systematic review and meta-analysis	2024	Current Problems in Cardiology	10.1016/j.cpcardiol.2024.102604
130	Investigating the effect of CuO[ $\text{bnd}$ ]CeO <sub>2</sub> catalyst concentration on methane-air catalytic combustion in the presence of different atomic ratios of oxygen by molecular dynamics simulation	2024	International Journal of Thermofluids	10.1016/j.ijft.2024.100816
131	Okra: Mucilage extraction, composition, applications, and potential health benefits	2024	European Polymer Journal	10.1016/j.eurpolymj.2024.113193
132	Improving building energy efficiency through ventilated hollow core slab systems	2024	Case Studies in Thermal Engineering	10.1016/j.csite.2024.104793
133	A novel economic and technical dispatch model for household photovoltaic system considering energy storage system in “Duhok” City/Iraq as a case study	2024	Journal of Energy Storage	10.1016/j.est.2024.112440
134	Mechanical properties of aluminum /SiC bulk composites fabricated by aggregate accumulative press bonding and stir-casting process	2024	Journal of Materials Research and Technology	10.1016/j.jmrt.2024.07.082
135	Monitoring spatiotemporal changes in urban flood vulnerability of Peninsular Malaysia from satellite nighttime light data	2024	Journal of Hydro-Environment Research	10.1016/j.jher.2024.05.003
136	Computational modeling of thermal radiation and activation energy effects in Casson nanofluid flow with bioconvection and microorganisms over a disk	2024	International Journal of Thermofluids	10.1016/j.ijft.2024.100735
137	Influences of stenosis and transplantation on behavior of blood flow in the host and grafted vessels using computational fluid dynamics	2024	International Journal of Thermofluids	10.1016/j.ijft.2024.100800
138	Accelerated melting dynamics in latent-heat storage systems via longitudinal and circular fins: A comprehensive 3D analysis	2024	International Communications in Heat and Mass Transfer	10.1016/j.icheatmasstransfer.2024.107602
139	A comprehensive review on anthocyanin-rich foods: Insights into extraction, medicinal potential, and sustainable applications	2024	Journal of Agriculture and Food Research	10.1016/j.jafr.2024.101245
140	BC cone-shaped anodes for lithium-ion batteries	2024	Chemical Physics	10.1016/j.chemphys.2024.112322
141	Analytical review on potential use of waste engine oil in asphalt and pavement engineering	2024	Case Studies in Construction Materials	10.1016/j.cscm.2024.e02930
142	Hybrid Grey Wolf Optimizer for Efficient Maximum Power Point Tracking to Improve Photovoltaic Efficiency	2024	Journal of Machine and Computing	10.53759/7669/jmc202404055
143	Investigating the effect of heat flux on tetracycline absorption by bio-MOF-11 nanostructure: A molecular dynamics approach	2024	Case Studies in Thermal Engineering	10.1016/j.csite.2024.104756
144	Synthesis, Structural, and Optical Properties of Modified Poly(vinyl Chloride) Thin Films by Ethylenediamine Loaded with Metal Oxide Nanoparticles	2024	ChemistrySelect	10.1002/slct.202401717
145	Effect of temperature on the mechanical properties of aluminum polycrystal using molecular dynamics simulation	2024	Case Studies in Thermal Engineering	10.1016/j.csite.2024.104480
146	Assembly of 2D/2D Bi <sub>2</sub> WO <sub>6</sub> /Boron-doped g-C <sub>3</sub> N <sub>4</sub> Z-type heterojunction photocatalysts for efficient antibiotic adsorption and degradation	2024	Materials Science in Semiconductor Processing	10.1016/j.mssp.2024.108591
147	Day-ahead resilience-economic energy management and feeder reconfiguration of a CCHP-based microgrid, considering flexibility of supply	2024	Heliyon	10.1016/j.heliyon.2024.e31675
148	Therapeutic implications of flaxseed peptides and bioactive components against various diseases	2024	Journal of Functional Foods	10.1016/j.jff.2024.106324
149	Improving Autonomous Underwater Vehicle Navigation: Hybrid Swarm Intelligence for Dynamic Marine Environment Path Finding	2024	Journal of Machine and Computing	10.53759/7669/jmc202404061

150	Evaluation of the energy and exergy of a trans-critical CO <sub>2</sub> cycle driven by a double flash geothermal power plant	2024	Environmental Progress and Sustainable Energy	10.1002/ep.14370
151	Synthesis of a highly efficient ternary Heterostructure for synergistic charge migration: Dual-functional enhancement in photocatalytic ciprofloxacin degradation and hydrogen production	2024	Journal of Water Process Engineering	10.1016/j.jwpe.2024.105841
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153	Parallel Multi-core Implementation of the Optimized Speck Cipher	2024	International Journal of Safety and Security Engineering	10.18280/ijsse.140316
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155	Enhancing Heat Removal and H <sub>2</sub> O Retention in Passive Air-Cooled Polymer Electrolyte Membrane Fuel Cells by Altering Flow Field Geometry	2024	Sustainability (Switzerland)	10.3390/su16114666
156	Exergy, exergoeconomic optimization and exergoenvironmental analysis of a hybrid solar, wind, and marine energy power system: A strategy for carbon-free electrical production	2024	Heliyon	10.1016/j.heliyon.2024.e35171
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158	Mixed convection in a variable size cavity: Effect of flexible wall characteristics	2024	International Journal of Thermal Sciences	10.1016/j.ijthermalsci.2024.109137
159	In-situ growth of MCo <sub>2</sub> O <sub>4</sub> nanospheres (M: Mn, Ni) over g-C <sub>3</sub> N <sub>4</sub> @PPy as high-performance and novel composites for sustainable supercapacitors	2024	Journal of Energy Storage	10.1016/j.est.2024.111727
160	The impact of nine sweeps on preventing prostate cancer and benign prostate hyperplasia	2024	International Journal of Urological Nursing	10.1111/ijun.12406
161	Investigation of Antibacterial Activity and Wound Healing Promotion Properties Induced by Bromelain-Loaded Silver Nanoparticles	2024	Plasmonics	10.1007/s11468-023-02127-x
162	Genetic Algorithms for Optimized Selection of Biodegradable Polymers in Sustainable Manufacturing Processes	2024	Journal of Machine and Computing	10.53759/7669/jmc202404054
163	Reinforcing the photocatalytic removal of ibuprofen antibiotic over S-scheme 2D/1D Bi <sub>12</sub> O <sub>17</sub> Cl <sub>2</sub> /V <sub>2</sub> O <sub>5</sub> heterojunction under solar light illumination	2024	Solar Energy	10.1016/j.solener.2024.112751
164	Modeling of a hybrid stirling engine/desalination system using an advanced machine learning approach	2024	Case Studies in Thermal Engineering	10.1016/j.csite.2024.104645
165	Projections of temperature and precipitation trends using CMhyd under CMIP6 scenarios: A case study of Iraq's Middle and West	2024	Atmospheric Research	10.1016/j.atmosres.2024.107470
166	Analyzing the melting process in a tilted heat sink filled with a phase change material equipped with the plate and optimized tree-shaped metal fins	2024	Journal of Energy Storage	10.1016/j.est.2024.111608
167	Multi-Objective Unsupervised Feature Selection and Cluster Based on Symbiotic Organism Search	2024	Algorithms	10.3390/a17080355
168	An open-source MP + CNN + BiLSTM model-based hybrid model for recognizing sign language on smartphones	2024	International Journal of System Assurance Engineering and Management	10.1007/s13198-024-02376-x
169	Adsorption of NH <sub>3</sub> , HCHO, SO <sub>2</sub> , and Cl <sub>2</sub> gasses on the o-B <sub>2</sub> N <sub>2</sub> monolayer for its potential application as a sensor	2024	Diamond and Related Materials	10.1016/j.diamond.2024.111356
170	Exponential stability analysis of delayed partial differential equation systems: Applying the Lyapunov method and delay-dependent techniques	2024	Heliyon	10.1016/j.heliyon.2024.e32650
171	Analysis Effect of Parameters of Genetic Algorithm on a Model for Optimization Design of Sustainable Supply Chain Network under Disruption Risks	2024	Management Systems in Production Engineering	10.2478/mspe-2024-0025
172	Computational investigation of methanol-based hybrid nanofluid flow over a stretching cylinder with Cattaneo-Christov heat flux	2024	Journal of Computational Design and Engineering	10.1093/jcde/qwae059
173	The usage of non-aligned multi-circular winding injectors for efficient fuel mixing inside the scramjet engine	2024	Energy	10.1016/j.energy.2024.131403
174	Fluid structure interaction analysis of counter flow in a partially layered vertical channel of double deformable passages	2024	Ocean Engineering	10.1016/j.oceaneng.2024.118008
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176	Modification of gypsum composite binder via introduction of ground granulated blast furnace slag and waterproofing agent	2024	Case Studies in Construction Materials	10.1016/j.cscm.2024.e03292
177	Enhancing charge transfer in 0D/2D cobalt sulfide/boron-doped graphitic carbon nitride heterojunction photocatalyst for degradation of organic pollutants under LED illumination	2024	Materials Science in Semiconductor Processing	10.1016/j.mssp.2024.108409
178	An experimental comparison for thermos-economic performance of five different designs of solar stills	2024	Case Studies in Thermal Engineering	10.1016/j.csite.2024.104561
179	Assessing the potential of functionalized cobalt-doped graphyne-like boron nitride as an efficient and accessible catalyst for oxygen reduction reaction in fuel cells	2024	Diamond and Related Materials	10.1016/j.diamond.2024.111333
180	The effect of initial pressure and atomic concentration of iron nanoparticles on thermal behavior of sodium sulfate/magnesium chloride hexahydrate nanostructure by molecular dynamics simulation	2024	Thermal Science and Engineering Progress	10.1016/j.tsep.2024.102697
181	Chemical effect of alkaline-earth metals (Be, Mg, Ca) substitution of BFe <sub>2</sub> XH hydride perovskites for applications as hydrogen storage materials: A DFT perspective	2024	International Journal of Hydrogen Energy	10.1016/j.ijhydene.2024.07.063
182	The frequency and characteristics of comorbidity symptoms of PTSD in patients with substance use disorder in Ibn-Rushud hospital in Baghdad/Iraq	2024	Journal of Medicinal and Pharmaceutical Chemistry Research	10.48309/jmpcr.2024.436198.1094
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185	The process of saving cold energy in presence of nanomaterial within storage enclosure	2024	Journal of Energy Storage	10.1016/j.est.2024.111870
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187	Recycling and utilization of paper sludge ash -current status review and future perspectives	2024	Sustainable Materials and Technologies	10.1016/j.susmat.2024.e00960
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191	Atmospheric pressure plasma-treated polyester fabrics for enhanced oil-water mixture separation	2024	Results in Engineering	10.1016/j.rineng.2024.102377
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204	Achieving Well-Oriented FAPbI <sub>3</sub> Perovskite Photovoltaics by Cyclohexane Modification	2024	Langmuir	10.1021/acs.langmuir.4c00136



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251	A multi-objectives framework for secure blockchain in fog-cloud network of vehicle-to-infrastructure applications	2024	Knowledge-Based Systems	10.1016/j.knosys.2024.111576
252	A review of the application of hybrid nanofluids in solar still energy systems and guidelines for future prospects	2024	Solar Energy	10.1016/j.solener.2024.112485
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254	Design and Optimization of High-Performance Novel RbPbBr <sub>3</sub> -Based Solar Cells with Wide-Band-Gap S-Chalcogenide Electron Transport Layers (ETLs)	2024	ACS Omega	10.1021/acsomega.3c08285
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295	Numerical analysis to investigate the effect of a porous block on MHD mixed convection in a split lid-driven cavity with nanofluid	2024	International Journal of Thermofluids	10.1016/j.ijft.2024.100621
296	Metals ferrite decorated in metal organic framework (Mn <sub>0.5</sub> Zn <sub>0.5</sub> Fe <sub>2</sub> O <sub>4</sub> /ZIF-12) for adsorption of organic acid red dye	2024	AIP Conference Proceedings	10.1063/5.0207397
297	Cooling of lithium-ion battery pack using different configurations of flexible baffled channels	2024	Heat Transfer	10.1002/htj.22991
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302	Accelerated charging of PCM in coil heat exchangers via central return tube and inlet positioning: A 3D analysis	2024	International Communications in Heat and Mass Transfer	10.1016/j.icheatmasstransfer.2024.107275
303	Differential effects of antiepileptic medications on neurogenesis: Evidence from cells to animals	2024	Heliyon	10.1016/j.heliyon.2024.e26650
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305	Synthesis and Characterization of Cu Decorated WO <sub>3</sub> for Disinfection of Pathogenic Bacteria	2024	AIP Conference Proceedings	10.1063/5.0191639
306	Visible-light-induced photodegradation of ofloxacin antibiotic by facile assembled BiFeO <sub>3</sub> /Bi-modified g-C <sub>3</sub> N <sub>4</sub> heterojunctions	2024	Materials Science in Semiconductor Processing	10.1016/j.mssp.2023.108026
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310	Experimental and Theoretical Analysis for Determining the Maximum Expansion Ratio of Castellated Steel Beams	2024	Journal of Failure Analysis and Prevention	10.1007/s11668-023-01848-9
311	Chebyshev polynomial approximation in CNN for zero-knowledge encrypted data analysis	2024	Journal of Discrete Mathematical Sciences and Cryptography	10.47974/JDMSC-1880
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428	Optimizing asphalt binder performance with various PET types	2024	Open Engineering	10.1515/eng-2022-0595
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440	Maximizing Treatment Options for IBD through Drug Repurposing	2024	Current Pharmaceutical Design	10.2174/0113816128318032240702045822
441	Simplified Approach for Determining Buckling Load in Portal Frames: Elastic Stability Analysis	2024	IOP Conference Series: Earth and Environmental Science	10.1088/1755-1315/1374/1/012081
442	Transverse vibration of laminated-composite-plates with fillers under moving mass rested on elastic foundation using higher order shear deformation theory	2024	Proceedings of the Institution of Mechanical Engineers, Part C: Journal of Mechanical Engineering Science	10.1177/09544062241256589
443	Bacteriophage Endolysins Antibacterial Effect against S. mutans Isolated from Dental Caries: An In-Vitro Study	2024	Advancements in Life Sciences	10.62940/als.v11i2.2662
444	Corrosion Inhibition of Mild Steel in HCl Solution by 2-acetylpyrazine: Weight Loss and DFT Studies on Immersion Time and Temperature Effects	2024	Progress in Color, Colorants and Coatings	10.30509/PCCC.2024.167231.1261
445	Comparative geotechnical analysis for ultimate bearing capacity of precast concrete piles using cone resistance measurements	2024	Open Engineering	10.1515/eng-2024-0007

446	An investigation of the risk factors associated with late toxicity after whole pelvic irradiation in patients with prostate cancer	2024	Onkologia i Radioterapia	
447	On the Use of Taguchi Method in the Analysis of the Dynamic Response of Variable Bearing Design under Impact Load	2024	Advances in Tribology	10.1155/2024/7260336
448	Targeting Monkeypox Virus Methyltransferase: Virtual Screening of Natural Compounds from Middle-Eastern Medicinal Plants	2024	Molecular Biotechnology	10.1007/s12033-024-01246-y
449	Employing deep learning for predicting the thermal properties of water and nano-encapsulated phase change material	2024	International Journal of Low-Carbon Technologies	10.1093/ijlct/ctae098
450	Recent advances and developments of the application of hybrid nanofluids in parabolic solar collector energy systems and guidelines for future prospects	2024	Journal of Engineering Research (Kuwait)	10.1016/j.jer.2024.04.023
451	Incidence of local breast cancer recurrence with delayed radiation therapy	2024	Breast Cancer Research and Treatment	10.1007/s10549-024-07385-9
452	Behavior of hybrid R.C. columns under the effect of fire furnace (experimental and numerical study)	2024	Australian Journal of Structural Engineering	10.1080/13287982.2024.2354645
453	Application of hybrid renewable energy systems for supplying electricity demand of a water pump station of agricultural plants: a case-based research	2024	International Journal of Low-Carbon Technologies	10.1093/ijlct/ctae126
454	Microstrip Antenna with Two Elements and Defected Ground Structure for 5G Mobile Applications at 28/38 GHz	2024	Progress In Electromagnetics Research C	10.2528/PIERC24062403
455	Modeling and simulating of unclad fiber-optic biosensor based on localized surface plasmon resonance	2024	Journal of Optics (India)	10.1007/s12596-024-02130-3
456	Reed straw-based activated carbon produced via microwave method-assisted-ZnCl <sub>2</sub> for the removal of crystal violet dye: multivariate modeling and optimization	2024	Biomass Conversion and Biorefinery	10.1007/s13399-024-05811-y
457	Multispect analysis and optimization of a power and cooling cogeneration plant integrated with a multilevel waste heat recovery system	2024	International Journal of Low-Carbon Technologies	10.1093/ijlct/ctae134
458	Comprehensive evaluation of the impact of ionic liquid incorporation on the optical properties, Urbach energy, thin film morphology, and surface roughness of poly(vinyl chloride) based on ionic materials	2024	Pure and Applied Chemistry	10.1515/pac-2024-0227
459	Improved Physical Properties of Ag-Cu <sub>2</sub> O Hybrid Structure Prepared Using Laser Ablation in Liquid Technique	2024	Plasmonics	10.1007/s11468-024-02375-5
460	Niosomes as a Promising Therapeutic Approach against Colorectal Cancer: A Focus on the Delivery of Chemotherapeutics and Natural Products	2024	Current Pharmaceutical Design	10.2174/0113816128303645240429052835
461	Effect of different laser energies on the structure of aluminum gallium nitride/Psi thin films	2024	Journal of Optics (India)	10.1007/s12596-024-02084-6
462	Synthesis of PVA-Gold and Silver Nanoparticles via PLAL to Improve the Performance of the PCF-SPR Glucose Sensor	2024	Plasmonics	10.1007/s11468-024-02434-x
463	EXPLORING THE POTENTIAL OF PLANT BYPRODUCTS FOR SYNTHESIZING CARBOXYMETHYL CELLULOSE NANOPARTICLES: A STUDY ON CHARACTERIZATION, PHYSICAL PROPERTIES, AND IN VIVO TOXICITY	2024	Journal of Microbiology, Biotechnology and Food Sciences	10.55251/jmbfs.10326
464	MOP as a Corrosion Inhibitor for Mild Steel in HCl Solution: A Comprehensive Study	2024	Progress in Color, Colorants and Coatings	10.30509/pccc.2023.167176.1237
465	A bibliometric analysis and comprehensive review of magnetized water effects on concrete properties	2024	Asian Journal of Civil Engineering	10.1007/s42107-024-01096-8
466	Sustainability and life cycle analyzes of different biofuel from municipal solid waste processes: an effective environmental guidance	2024	International Journal of Low-Carbon Technologies	10.1093/ijlct/ctae107
467	Study on freshness, morphology, strength, and durability properties of foamed concrete reinforced with agave fiber	2024	Journal of Engineered Fibers and Fabrics	10.1177/15589250241265701
468	Al <sub>2</sub> O <sub>3</sub> -Cu hybrid nanofluid flow and heat transfer characteristics in the duct with various triangular rib configurations	2024	Journal of Thermal Analysis and Calorimetry	10.1007/s10973-024-13473-1
469	Energy and Exergy Analysis of Pyramid-Type Solar Still Coupled with Magnetic and Electrical Effects by Using Matlab Simulation	2024	Frontiers in Heat and Mass Transfer	10.32604/fhmt.2024.047329
470	Thermoeconomic, environmental and uncertainty assessments and optimization of a novel large-scale/low carbon hydrogen liquefaction plant integrated with liquefied natural gas cold energy	2024	International Journal of Low-Carbon Technologies	10.1093/ijlct/ctae124
471	Evaluating the factor structure and measurement invariance of the 20-item short version of the UPPS-P Impulsive Behavior Scale across multiple countries, languages, and gender identities	2024	Assessment	10.1177/10731911241259560

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473	Analysis of the Dynamic Response of Variable Bearing Design Under Impact Load Using Taguchi Method	2024	Mechanisms and Machine Science	10.1007/978-3-031-62616-6_21
474	Visualizing sustainable rainwater harvesting: A case study of Karbala Province	2024	Open Engineering	10.1515/eng-2024-0009
475	N-Phenyl-N'-[5-phenyl-1,2,4-thiadiazol-3-yl]thiourea: corrosion inhibition of mild steel in 1 M HCl	2024	International Journal of Corrosion and Scale Inhibition	10.17675/2305-6894-2024-13-1-3
476	Techno-economic and environmental analysis of a grid-connected rooftop solar photovoltaic system in three climate zones	2024	International Journal of Low-Carbon Technologies	10.1093/ijlct/ctae123
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478	A Simulation of the Impact of Biodiesel Blends on Performance Parameters in Compression Ignition Engine	2024	Journal of Ecological Engineering	10.12911/22998993/185889
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480	Evaluation of the effluent concentrations of Karbala wastewater treatment plant using reliability analysis	2024	Open Engineering	10.1515/eng-2024-0031
481	Innovative arrangement of circular angled fins for maximizing the discharge performance of triple-tube heat storage systems	2024	International Journal of Low-Carbon Technologies	10.1093/ijlct/ctae014
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515	Intrusion Detection in Internet of Things Systems: A Feature Extraction with Naive Bayes Classifier Approach	2024	Journal of Machine and Computing	10.53759/7669/jmc202404003
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