



ZAID AI-SAWAFF

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Current affiliations:

- Northern Technical University/ Engineering Technical College / Mosul from 2003
- Northern Technical University Iraq from 2003

Publication Metrics

For manuscripts published from date range May 2019 - May 2024

3

H-index

17

Total Publications

21

Sum of Times Cited

7

Web of Science Core Collection Publications

For all time

3

H-index

25

Total Publications

21

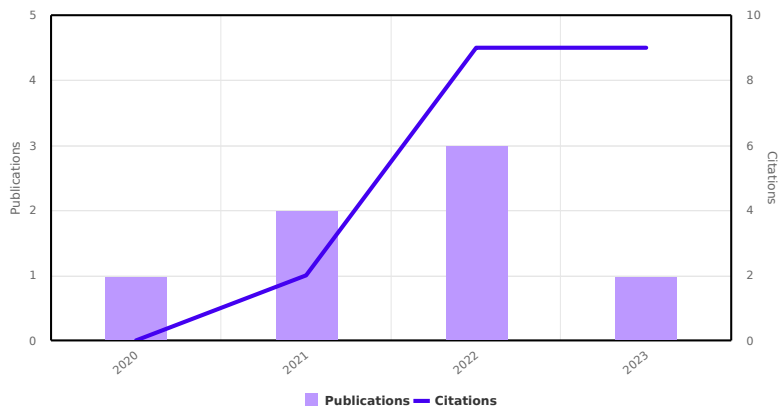
Sum of Times Cited

7

Web of Science Core Collection Publications

Publication Impact Over Time

Times Cited and Publications Over Time



Publishing Summary

For manuscripts published from date range May 2019 - May 2024

- | | |
|---|--|
| (4) Indonesian Journal of Electrical E... | (2) Russian Journal of Bioorganic Ch... |
| (1) Biomedical Engineering - Applic... | (1) NeuroQuantology |
| (1) Solid State Technology | (1) European Journal of Chemistry |
| (1) Global Journal of Engineering an... | (1) Physics and Chemistry of Solid St... |
| (1) MOMENTO-Revista de Fisica | (1) Russian Journal of Physical Chem... |
| (1) International Journal on Recent a... | (1) Materials Science in Semiconduc... |
| (1) Russian Journal of Physical Chem... | |

Publications

For manuscripts published from date range May 2019 - May 2024 (17)

Times Cited
(All time)

Using IoT technology for monitoring Alzheimer's and elderly patients
Authors (5): Aseel Thamer Ebrahim; Marwa Mawfaq Mohamedsheet Al-Hatab ... Zaid Husham Al-Sawaff
Published: Aug 2023 in Indonesian Journal of Electrical Engineering and Computer Science
DOI: 10.11591/IJEECS.V31.I2.PP986-994

Not indexed in
the Web of
Science

A new approach to develop biometric fingerprint using human right thumb fingernail
Authors (5): Tahani Ghanim Al-Sultan; Aza Qays Abduljabar ... Fatma Kandemirli
Published: Jul 2023 in Indonesian Journal of Electrical Engineering and Computer Science
DOI: 10.11591/IJEECS.V31.I1.PP98-107

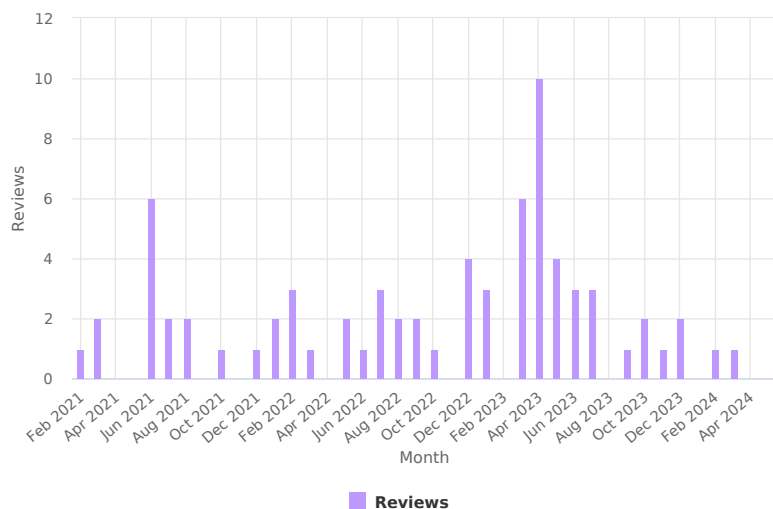
Not indexed in
the Web of
Science

<p>A comparative DFT study on Al- and Si- doped single-wall carbon nanotubes (SWCNTs) for Ribavirin drug sensing and detection</p> <p>Authors (4): Dalgic, Serap Senturk; Al-Sawaff, Zaid H. ... Kandemirli, Fatma</p> <p>Published: May 2023 in Materials Science in Semiconductor Processing</p> <p>DOI: 10.1016/J.MSSP.2023.107360</p> <p>Web of Science accession number: WOS:001013248700001</p>	3
<p>Design of an orthopedic smart splint using nickel-titanium shape memory alloy</p> <p>Authors (5): Azza Alhialy; Warqaa H. Alkhaled ... Fatma Kandimerli</p> <p>Published: Mar 2023 in Indonesian Journal of Electrical Engineering and Computer Science</p> <p>DOI: 10.11591/IJEECS.V29.I3.PP1300-1309</p>	<div style="background-color: #444; color: white; padding: 5px; border-radius: 5px;"> Not indexed in the Web of Science </div>
<p>New Biomedical Applications Approach using Shape Memory Polymers for Muscles Rehabilitation and the Accompanying Wounds after Severe Bone Fractures</p> <p>Authors (5): Warqaa Hashim; Tahani G. Al-Sultan ... Fatma Kandimerli</p> <p>Published: Dec 2022 in International Journal on Recent and Innovation Trends in Computing and Communication</p> <p>DOI: 10.17762/IJRITCC.V10I12.5838</p>	<div style="background-color: #444; color: white; padding: 5px; border-radius: 5px;"> Not indexed in the Web of Science </div>
<p>DFT Study Adsorption of Hydroxychloroquine for Treatment COVID-19 by SiC Nanotube and Al, Si Doping on Carbon Nanotube Surface: A Drug Delivery Simulation</p> <p>Authors (5): Al-Sawaff, Zaid H. H.; Dalgic, Serap Senturk ... Mollaamin, Fatemeh</p> <p>Published: Dec 2022 in Russian Journal of Physical Chemistry A</p> <p>DOI: 10.1134/S003602442213026X</p> <p>Web of Science accession number: WOS:000906237000017</p>	1
<p>A B3LYP/DFT Study on the Structure Activity Relationship for Benzimidazole Derivatives in Water Solution</p> <p>Authors (3): Al-Sawaff, Z. H.; Basaran, M. A.; Kandemirli, F.</p> <p>Published: Aug 2022 in Russian Journal of Physical Chemistry B</p> <p>DOI: 10.1134/S1990793122040030</p> <p>Web of Science accession number: WOS:000857354500003</p>	2
<p>A DENSITY FUNCTIONAL THEORY (DFT) STUDY ON SILICON DOPED CARBON NANOTUBE Si-CNT AS A CARRIER FOR BMSF-BENZ DRUG USED FOR OSTEOPOROSIS DISEASE</p> <p>Authors (3): Zaid H. Al-Sawaff; Serap Senturk Dalgic; Fatma Kandemirli</p> <p>Published: Jul 2022 in MOMENTO-Revista de Fisica</p> <p>DOI: 10.15446/MO.N65.99010</p>	<div style="background-color: #444; color: white; padding: 5px; border-radius: 5px;"> Not indexed in the Web of Science </div>
<p>A microcontroller based microfluidic biochip for calcium percentage detection in blood</p> <p>Authors (4): Zaid H. Al-Sawaff; Zahraa M. Rashid ... Fatma Kandemirli</p> <p>Published: Apr 2022 in Indonesian Journal of Electrical Engineering and Computer Science</p> <p>DOI: 10.11591/IJEECS.V26.I1.PP135-142</p>	<div style="background-color: #444; color: white; padding: 5px; border-radius: 5px;"> Not indexed in the Web of Science </div>

<p>A Comparative Density Functional Theory Study of BMSF-BENZ Chemisorption on Zn₁₂O₁₂, Al₁₂P₁₂ Nanocages Authors (5): Al-Sawaff, Zaid H.; Dalgic, Serap Senturk ... Kandemirli, Fatma Published: Mar 2022 in Physics and Chemistry of Solid State DOI: 10.15330/PCSS.23.1.120-133 Web of Science accession number: WOS:000782647600017</p>	5
<p>Theoretical study of gallium nitride nanocage as a carrier for Cisplatin anticancer drug Published: Dec 2021 in Global Journal of Engineering and Technology Advances</p>	<div style="background-color: #444; color: white; padding: 5px; border-radius: 5px;"> Not indexed in the Web of Science </div>
<p>Theoretical study of the adsorption of BMSF-BENZ drug for osteoporosis disease treatment on Al-doped carbon nanotubes (Al-CNT) as a drug delivery vehicle Authors (3): Zaid Husham Al-Sawaff; Serap Senturk Dalgic; Fatma Kandemirli Published: Sep 2021 in European Journal of Chemistry DOI: 10.5155/EURJCHEM.12.3.314-322.2143</p>	<div style="background-color: #444; color: white; padding: 5px; border-radius: 5px;"> Not indexed in the Web of Science </div>
<p>Quantum Chemical Calculations on Two Compounds of Proquazone and Proquazone Type Calcites as a Calcium Sensing Receptor (CaSR) Inhibitory Profiles (vol 47, pg 777, 2021) Authors (4): Shntaif, Ahmed Hassen; Rashi, Zahraa M. ... Kandemirli, Fatma Published: Jul 2021 in Russian Journal of Bioorganic Chemistry DOI: 10.1134/S106816202134001X Web of Science accession number: WOS:000687187700019</p>	0
<p>Quantum Chemical Calculations on Two Compounds of Proquazone and Proquazone Type Calcites as a Calcium Sensing Receptor (CaSR) Inhibitory Profiles Authors (4): Shntaif, Ahmed Hassen; Rashi, Zahraa M. ... Kandemirli, Fatma Published: May 2021 in Russian Journal of Bioorganic Chemistry DOI: 10.1134/S106816202103016X Web of Science accession number: WOS:000660549500016</p>	5
<p>Electromagnetic Field Smart Splint for Bone Fixing and Rehabilitation Using NiTi Shape Memory Alloy Authors (1): Zaid H. Al-Sawaff Published: Mar 2020 in NeuroQuantology DOI: 10.14704/NQ.2020.18.3.NQ20148</p>	<div style="background-color: #444; color: white; padding: 5px; border-radius: 5px;"> Not indexed in the Web of Science </div>
<p>DESIGN AND MODELING OF AN UPPER LIMB EXOSKELETON TO ASSIST ELBOW JOINT MOVEMENT USING SURFACE EMG SIGNALS Authors (2): Yahya, Yahya Z.; Al-Sawaff, Zaid H. Published: Feb 2020 in Biomedical Engineering - Applications, Basis and Communications DOI: 10.4015/S1016237220500064 Web of Science accession number: WOS:000518770900006</p>	5

Verified Reviews

Review Summary



Reviewer Summary

For manuscripts reviewed from date range May 2019 - May 2024

(13) SN Computer Science

(7) Journal of Electrical and Comput...

(6) Journal of Biomimetics, Biomate...

(3) Monatshefte für Chemie - Chemi...

(3) IEEE International Colloquium on...

(2) Scientific Conference for Electric...

(1) IEEE International Conference O...

(1) Qeios

(1) WSEAS Transactions on Environ...

(1) WSEAS Transactions on Commu...

(1) International Conference on Scie...

(11) Karbala International Journal of...

(7) International Conference on Engi...

(5) Research on Biomedical Enginee...

(3) IEEE Control and System Gradua...

(2) European Journal of Chemistry

(1) International Conference on Scie...

(1) IEEE International Conference on...

(1) WSEAS Transactions on Power Sy...

(1) Physics and Chemistry of Solid St...

(1) WSEAS Transactions on Electroni...

(1) IEEE International Conference on...

73 REVIEWS OF 68 MANUSCRIPTS

For manuscripts published from date range May 2019 - May 2024

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Reviewed for Journal of Biomimetics, Biomaterials and Biomedical Engineering

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Reviewed for Journal of Biomimetics, Biomaterials and Biomedical Engineering

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Reviewed for Journal of Biomimetics, Biomaterials and Biomedical Engineering

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Reviewed for Journal of Biomimetics, Biomaterials and Biomedical Engineering

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Reviewed for SN Computer Science

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Reviewed for SN Computer Science

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Reviewed for SN Computer Science

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Reviewed for SN Computer Science

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Reviewed for SN Computer Science

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Reviewed for SN Computer Science

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Reviewed for SN Computer Science

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Reviewed for SN Computer Science

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Reviewed for SN Computer Science

Prediction and Analysis of Covid-19 Using the Deep Learning Models
Reviewed for Research on Biomedical Engineering

Multi-Instance Contingent Fusion for the Verification of Infant Fingerprints
Reviewed for Journal of Electrical and Computer Engineering

-
Reviewed for International Conference on Science, Engineering and Technology (ICSET)

Boundary Regularization of Urban Buildings Using Mask Region Convolutional Neural Networks
Reviewed for Journal of Electrical and Computer Engineering

-
Reviewed for IEEE International Conference On Agrosystem Engineering, Technology & Applications (AGRETA)

Successive Transforms Residual-Based Signal Representation for Biometric Identification Application

Reviewed for Journal of Electrical and Computer Engineering

Opportunistic Networks: An Empirical Research of Routing Protocols and Mobility Models

Reviewed for SN Computer Science

Monitoring and Sensing of Real-Time Data with Deep Learning Through Micro- and Macro-analysis in Hardware Support Packages

Reviewed for SN Computer Science

Mechanochemistry's Role in the Synthesis of the Solid Form of Olanzapine Drug: A Review

Reviewed for International Conference on Engineering, Science and Advanced Technology

Electroencephalography Instruments and Biomedical

Reviewed for International Conference on Engineering, Science and Advanced Technology

An Integrated Mediapipe with CNN - Model for Arabic Sign Language Recognition

Reviewed for Journal of Electrical and Computer Engineering

-

Reviewed for IEEE International Conference on Automatic Control and Intelligent Systems

Recognition of Breast Tumor By Ultrasound Imaging Based on Deep Learning Algorithm

Reviewed for International Conference on Engineering, Science and Advanced Technology

Image Fusion Based on Discrete Cosine Transform(DCT)

Reviewed for International Conference on Engineering, Science and Advanced Technology

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Reviewed for IEEE Control and System Graduate Research Colloquium

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Reviewed for IEEE Control and System Graduate Research Colloquium

Control Robotic Hand Depend on Voice Command and IOT

Reviewed for International Conference on Engineering, Science and Advanced Technology

Smartphone Based Online System for After-Stroke Hand Rehabilitation

Reviewed for International Conference on Engineering, Science and Advanced Technology

Development of Natural Latex-Based Biomembrane Containing Curcumin (*Curcuma Longa*) and Papain (*Carica Papaya*) Loaded Liposomes, Associated with LED Therapy, Applied to Wounds of Diabetic Rats (*Rattus Norvegicus*)

Reviewed for Research on Biomedical Engineering

Use of the experimental designs as an approach to optimize the inhibition efficiency of a Pyridazine derivative against corrosion of steel in an acidic medium

Reviewed for Qeios

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Reviewed for IEEE International Colloquium on Signal Processing & Its Applications

Machine Learning Applied on Smartphone Sensors for Real Time Falls Detection

Reviewed for Research on Biomedical Engineering

HUMAN DETECTION AND ACTION RECOGNITION FOR SEARCH AND RESCUE IN DISASTERS USING YOLOv3ALGORITHM

Reviewed for Journal of Electrical and Computer Engineering

Quantum Capacitances of Alkali-earth Metals: Be, Ca, and Mg Integrated on Al₁₂N₁₂ and Al₁₂P₁₂ Nanostructured: Insight from DFT Approach

Reviewed for Monatshefte für Chemie - Chemical Monthly

Methodology and Construction of Hand Dynamometers: A Review

Reviewed for Research on Biomedical Engineering

Quantum capacitances of alkaline-earth metals: Be, Ca, and Mg integrated on Al₁₂N₁₂ and Al₁₂P₁₂ nanostructured-insight from DFT approach

Reviewed for Monatshefte für Chemie - Chemical Monthly

An Offline Image Auditing System for Legacy Meter Reading Systems in Developing Countries : A Machine Learning Approach

Reviewed for Journal of Electrical and Computer Engineering

Improvement in Bioactivity Properties of Hydroxyapatite Coated Ti-6Al-4V ELI with Addition of Zirconium Oxide for Orthopaedic Implant

Reviewed for Journal of Biomimetics, Biomaterials and Biomedical Engineering

Structural Investigations of the Self-assemblies of Aromatic Amino Acids

Reviewed for Physics and Chemistry of Solid State

Electronic Band Structures of Bi₅O₇NO₃ and its Methyl Orange Removal Mechanism

Reviewed for European Journal of Chemistry

Modelling and Control of Distillation Column's Steam Temperature Using Mprs and Prbs Signals

Reviewed for IEEE Control and System Graduate Research Colloquium

Techniques Used To Suppress Tremor Review

Reviewed for Scientific Conference for Electrical Engineering Techniques Research

Vital Monitoring of the Body Using Ecg and Arduino

Reviewed for Scientific Conference for Electrical Engineering Techniques Research

Automatic Plant Recognition: A Survey of Relevant Algorithms

Reviewed for IEEE International Colloquium on Signal Processing & Its Applications

Utaut2 Model to Investigate the Adoption of E-hrm in the Telecommunication Sector

Reviewed for WSEAS Transactions on Communications

Personified Behavioural Demand Response Model for the Reduction of Peak Time Energy Consumption

Reviewed for WSEAS Transactions on Power Systems

Management and Energy Recovery of Household Waste

Reviewed for WSEAS Transactions on Environment and Development

Designing a Heterogeneous Sensor Tier for the EMULSION IoT Platform

Reviewed for WSEAS Transactions on Electronics

Partial Pseudo-Random Hashing for Transactional Memory Read/Write Data Processing and Validation

Reviewed for Karbala International Journal of Modern Science

-

Reviewed for International Conference on Science, Engineering & Technology (ICSET)

Energy-Efficient Sensor-Cloud Based on Data Forecasting Using a Hybrid Method

Reviewed for Karbala International Journal of Modern Science

-
Reviewed for IEEE International Conference on System Engineering and Technology

Efficiency of OrtoGOnBlender Photogrammetric Tool in Facial Prosthetics Rehabilitation – An Evaluation Study

Reviewed for Karbala International Journal of Modern Science

Optimization and Characterization of Ultrasound-Assisted Pectin Extracted from Orange Waste

Reviewed for Karbala International Journal of Modern Science

Energy Conservation Approach of Wireless Sensor Networks for IoT Applications

Reviewed for Karbala International Journal of Modern Science

The Detection of Sexual Harassment and Chat Predators Using Artificial Neural Network

Reviewed for Karbala International Journal of Modern Science

Detecting Malicious DNS Queries Over Encrypted Tunnels Using Statistical Analysis and Bi-Directional Recurrent Neural Networks

Reviewed for Karbala International Journal of Modern Science

An Improved Queuing Model for Reducing Average Waiting Time of Emergency Surgical Patients Using Preemptive Priority Scheduling

Reviewed for Karbala International Journal of Modern Science

Artificial Intelligence for Para Rubber Identification By Combining Five Machine Learning Methods

Reviewed for Karbala International Journal of Modern Science

A new chaotic image cryptosystem based on plaintext-associated mechanism and integrated confusion-diffusion operation

Reviewed for Karbala International Journal of Modern Science

Parked Vehicles as Cluster Heads and Gateways for Efficient Routing in VANET

Reviewed for Karbala International Journal of Modern Science

2019 Novel Coronavirus Disease (Covid-19): Toward a Novel Design for Disinfection Robot to Combat Coronavirus (Covid-19) Using IoT Based Technology

Reviewed for IEEE International Colloquium on Signal Processing & Its Applications

BeaMplot Summary

