RESEARCH & PUBLICATIONS

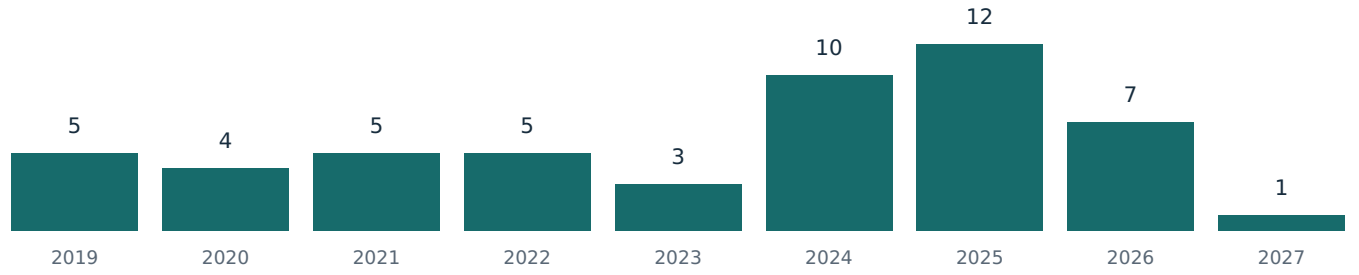
Saeed Alameri

A publication record at a glance

52	588	16
ARTICLES	CITATIONS	h-INDEX

PUBLICATION ACTIVITY

Articles by publication year



MOST CITED IN THIS LIST

Preliminary Neutronic Analysis of Alternative Cladding Materials for APR-1400 Fuel Assembly — 41
2021 Nuclear Engineering and Design

Chromium-Coated Zirconium Cladding Neutronics Impact for APR-1400 Reactor Core — 41
2022 Energies

Electrochemical Reduction of Gaseous Nitric Oxide Into Ammonia: A Review — 37
2024 Environmental Chemistry Letters

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01 Preliminary Neutronic Analysis of Alternative Cladding Materials for APR-1400 Fuel Assembly
41 citations
Nuclear Engineering and Design · 2021 · 384, 111486
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02 Chromium-Coated Zirconium Cladding Neutronics Impact for APR-1400 Reactor Core
41 citations
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03 Electrochemical Reduction of Gaseous Nitric Oxide Into Ammonia: A Review
37 citations
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04 SiC and FeCrAl as Potential Cladding Materials for APR-1400 Neutronic Analysis
31 citations
Energies · 2022 · 15, 3772
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05 Unveiling the Latest Progresses in Chromium-Coated Zircaloy Cladding ATF Materials: Fabrication Techniques, Performance Metrics, and Beyond
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10 Preliminary Three-Dimensional Neutronic Analysis of IFBA Coated TRISO Fuel Particles in Prismatic-Core Advanced High Temperature Reactor
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23	Advanced Fuel Performance Analysis of Multi-Layered Coated Accident-Tolerant Fuel (ATF) Cladding Using a Coupled Multiphysics Approach Nuclear Engineering and Technology · 2025 · 57, 103549 https://exaly.com/article/197990841	7 citations
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25	Evaluation Review of the 250Cf Neutron Cross Section Applied Radiation and Isotopes · 2019 · 154, 108869 https://exaly.com/article/72775856	5 citations
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31 Excess Reactivity Control Using Innovative Burnable Absorber Configuration for a 24-Month Cycle APR-1400

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34 Critical Evaluation of Accident Tolerant Fuel Selection Criteria for APR-1400 Nuclear Reactors

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35 Reactor Monte Carlo (RMC) Model Validation and Verification in Compare With MCNP for Plate-Type Reactor

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37 Performance Analysis of an Enhanced Cr-Coated Fuel Cladding System

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43 Consolidation of Reactor Physics Education – The Khalifa University Student Field Trips Case Study

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47 Surrogate Machine Learning Model for Multi Objective Simulated Annealing-Based Core Reloading Pattern Optimization

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48 Impact of ATF Cladding Material on CR Worth and Coefficients of Reactivity

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52 **MAX-Phase Coated Claddings for Light Water Reactor Accident-Tolerant Fuels: Corrosion Stability, Thermo-Mechanical Compatibility, Irradiation Effects, and Deployment Prospects**

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