

Saudi Arabian Nuclear Science Bibliography: Open Literature Citations

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Reactor Related Research:

Documents/Reports:

Status of the Numerical Reactor Analysis System at IGA, S. Sahin, College of Engineering, King Abdulaziz University, Jeddah, Saudi Arabia, November 30, 1981

Advanced Nuclear Fuel Production by Using Fission-Fission-Fusion (Hybrid) Reactor, T.A. Al-Kusayer, S. Sahin and M. Abdul Raof, 1984, Project No. 16/404, King Saud University, Research Center, College of Engineering, Riyadh, Saudi Arabia

Conference Papers:

The Program of Cooperation Between the King Abdul Aziz University and the Swiss Federal Institute of Technology in the Field of Nuclear Education and Training, S. Sahin, J.P. Schneeberger, M.M.O. Jamjoun and S. Abdul-Majid, Second International Conference on Nuclear Energy Transfer, Buenos Aires, Argentina, Published in Transactions of the American Nuclear Society, 1982, Vol. 42, p145-6

(D,T) Driven Thorium Hydride Blankets, T.A. Al-Kusayer, S. Sahin, S. Khan, 6th Miami International Conference on Alternative Energy Sources, Miami Beach, Florida, 12-14 Dec. 1983

Natural Uranium Hydride Blankets for the AYMAM Project, T.A. Al-Kusayer, S. Sahin, 6th Miami International Conference on Alternative Energy Sources, Miami Beach, Florida, 12-14 Dec. 1983

Planning a Nuclear R&D Program: The Case of Saudi Arabia, Waleed H. Abulfaraj, 6th Miami International Conference on Alternative Energy Sources, Miami Beach, Florida, 12-14 Dec. 1983

Nuclear Waste Actinides as Fissile Fuel in Hybrid Blankets, T.A. Al-Kusayer, S. Sahin, 6th Miami International Conference on Alternative Energy Sources, Miami Beach, Florida, 12-14 Dec. 1983

Assessment of the ECCSs Unavailability of CANDU-PHWR Following Small LOCA, T.A. Al-Kusayer, 6th Miami International Conference on Alternative Energy Sources, Miami Beach, Florida, 12-14 Dec. 1983

Optimization of the Neutron Multiplier of Experimental AYMAN Hybrid Blankets with ThO₂, S. Sahin, T.A. Al-Kusayer, K.S. Al-Malahy and M. Abdul Raof, Proceedings of the 6th Annual Meeting of the Canadian Nuclear Society, Ottawa, Canada, June 2-5, 1985

Neutronic Performance of (Deuterium-Deuterium) Driven Experimental Thorium Hybrid Blankets, S. Sahin, T.A. Al-Kusayer and M. Abdul Raof, Transactions of the American Nuclear Society 1985 Annual Meeting, Boston, 1985, Vol. 49, p102-4

Research Activities on Advanced Reactors at the King Saud University, S. Sahin and T.A. Al-Kusayer, Transactions of the Third International Conference of Nuclear Technology Transfer, ICONTT-III, Madrid Spain, 1985, p46-8

Safeguard Aspects of ²⁴⁴Cm as Multiplier in Cylindrical Hybrid Blankets, S. Sahin and T.A. Al-Kusayer, Transactions of the American Nuclear Society 1986 Annual Meeting, Reno, Nevada, June 15-19, 1986

A Numerical-Graphical Power Flattening Method for Source Driven Fast Fission Blankets, S. Sahin and M. Al-Eshaikh, Proceedings of the 4th International Conference on Emerging Nuclear Energy Systems, Madrid, Spain, June 30 - July 4, 1986

Boiling Studies for a Nuclear Fuel Surface Using a Hot Patch Quenching Technique, T.A. Al-Kusayer, B.S. Pei and A.A. Al-Hbaib, 1987 Winter Meeting of the American Nuclear Society, Los Angeles, California, November 15-17, 1987

Thermal Neutron Flux Studies with ²⁵²Cf, M.A. Raof, A.M. Al-Soraya and O.S.O. Al-Horayess, American Nuclear Society Conference on Industrial Radiation and Radioisotope Measurement Applications, Pinehurst, North Carolina, September 7-9, 1988

Role of Nuclear Desalination in the Kingdom of Saudi Arabia, M.S. Aljohani, A.F. Abdul Fattah, A.I. Almarshad, First International Conference on Nuclear Desalination, October 16-18, 2002, Marrakech, Morocco

Journal Articles:

Scaling Laws for Steady-State Fusion Plasmas, A.A. Hussein, Plasma Physics, 1975, Vol. 17, p1071-82

Engineering Measurements of Delayed Neutron Groups from ²³⁵U, A. Naeem, Journal of Engineering Sciences, 1978, Vol. 4, p31-7

Nuclear Desalination for Saudi Arabia: An Appraisal, A.F. Abdul-Fattah, A.A. Hussein and Z.A. Sabri, Desalination, 1978, Vol. 25, p163-85

Failure Analysis of Loss of HTGR Core Auxiliary Cooling System, ⁽¹⁾A.F. Abdul-Fattah, A.A. Hussein, Atomkernenergie Kerntechnik, 1979, Vol. 34, p195-8

⁽¹⁾ A.F. Abdul-Fattah received his PhD from Iowa State University in 1978. His thesis was entitled "Engineering and Safety Analysis of Dual_Purpose Nuclear Desalination Plants"

Calculation of the Interaction Rates of Fusion Reaction Products in Thermonuclear Reactors. I. Generalized Scattering Theory, A.A. Husseiny, Atomkernenergie Kerntechnik, 1982, Vol. 40, p39-45

Risk Assessment of Alternative Proliferation Routes, Shahid Ahmed, A.A. Husseiny, Nuclear Technology, 1982, Vol. 56, p507-15

Siting of Nuclear Power Plants in Saudi Arabia Using Fuzzy Decision Analysis, A. Abdul-Fattah and ⁽²⁾W.H. Abulfaraj, Nuclear Technology, 1982, Vol. 58, p404-13
⁽²⁾W.H. Abulfaraj received his PhD from Iowa State University in 1983. His thesis was entitled "Development and Application of a Decision Methodology for the Planning of Nuclear Research and Development in Saudi Arabia"

Planning a Nuclear R&D Program: The Case of Saudi Arabia, Zeinab A. Sabri, A. Ezzedin, Abdo A. Husseiny, Transactions of the American Nuclear Society, 1984, Vol. 46, p47-50

Neutronic Investigations of Experimental AYMAN Hybrid Blankets, Sumer Sahin, Tawfik A. Al-Kusayer, Mohammed Al-Samair, Muhammed Abdul Raof, Transactions of the American Nuclear Society, 1984, Vol. 47, p151-3

Reliability Assessment of the Fueling Machine of the CANDU Reactor, T.A. Al-Kusayer, Atomkernenergie Kerntechnik, 1985, Vol. 46, p20-4

Research Activities on Advanced Reactors at King Saud University, Sumer Sahin, Tawfik A. Al-Kusayer, Transactions of the American Nuclear Society, 1986, Vol. 51, p46-8

Selection of Desalination Processes for Dual-Purpose Nuclear Power Plants, I.I. Kutbi, Z.A. Sabri and A.A. Husseiny, Desalination, 1986, Vol. 58, p113-34

Measurements of the Cumulative Fission Yield of ¹⁴⁸Ce in ²³⁵U, S. Sahin, A.A. Hassan and C. Chung, Radiation Effects, 1986, Vol. 92, p529-32

Preliminary Design Studies of a Cylindrical Experimental Hybrid Blanket with Deuterium-Tritium Driver, S. Sahin, T.A. Al-Kusayer and M. Adbul Raof, Fusion Technology, 1986, Vol. 10, p84-99

Neutronic Analysis of Fusion-Fission (Hybrid) Blankets, Tawfik A. ⁽³⁾Al-Kusayer, Sumer Sahin, Muhammed Abdul Raof, Radiation Effects, 1986, Vol. 92, p159-62

⁽³⁾T.A. Al-Kusayer received his PhD from Iowa State University in 1982. His thesis was entitled "Assessment of Impact of Fueling Machine Failure on the Safety of CANDU-PHWR

²⁴⁴Cm as Multiplier and Breeder in a ThO₂ Hybrid Blanket Driven by a (Deuterium-Tritium) Source, S. Sahin and T. A. Al-Kusayer, Fusion Technology, 1986, Vol. 10, p1297-1302

Neutronic Parameters of a Cylindrical Hybrid Blanket Driven by a Simulated Line Source, S. Sahin and M. Abdul Raof, Fusion Technology, 1986, Vol. 10, p1315-20

Fission Power Flattening in Hybrid Blankets Using Mixed Fuel, S. Sahin and M. Al-Eshaikh, Fusion Technology, 1987, Vol. 12, p395-408

Site Selection of a Dual Purpose Nuclear Power Plant in Saudi Arabia, F.M. Husein, M.A. Obeid and K.S. El-Malahy, Nuclear Technology, 1987, Vol. 79, p311-21

Thermal-Neutron Fluxes in Glycerin, Base Oil and Water, M.A. Raof, A.M. Al-Soraya and O.S. Al-Horayess, Nuclear Instruments and Methods in Physics Research, Section A, 1990, Vol. A290, p208-10

A Hybrid Reactor Design Concept Driven by Cold (D,T) Fusion Neutrons and Fuelled with Metallic Thorium, S. Sahin, H. Yapici, E. Baltacioglu and T.A. Al-Kusayer, International Journal of Energy-Environment-Economics, 1991, Vol. 1, p167-74

The Dynamic Pressure Measurements of the Coolant Impact on Solid Surfaces in a Simulated Nuclear Reactor Geometry, M.H.H. Es-Saheb, King Saud University Engineering Sciences Journal, 1992, Vol. 4, p11-28

A Reply to "Remarks on the Use of a Corrected Formula for the Neutron Flux in a Heterogeneous Lattice cell", H. Roushdy, Annals of Nuclear Energy, 1996, Vol. 23, p1097

Derivation of Modified Approximate Analytical Formulae for Calculating the Direct and Adjoint Weighted Resonance Integrals Using a Variable Neutron Spectrum, H. Roushdy, Annals of Nuclear Energy, 2000, Vol. 27, p133-41

Potential of Nuclear Desalination in the Arabian Gulf Countries, I.S. Al-Mutaz, Desalination, 2001, Vol. 135, p187-94

Coupling of a Nuclear Reactor to Hybrid RO-MSF Desalination Plants, I.S. Al-Mutaz, Desalination, 2003, Vol. 157, p259-68

Nuclear Physics Research

Journal Articles:

KFUPM Fast Neutron Activation Facility, A. Aksoy, A.A. Naqvi, F.Z. Khiari, M. Raashid, A. Coban, R.E. Abdel-Aal and H. Al-Juwair, Nuclear Instruments and Methods in Physics Research, Section A, 1993, Vol. 332, p506-10

Effect of Aging and Annealing on the Electrical Resistivity of Proton Irradiated Nitinol, A.A. Al-Aql, Z.H. Dughaiish, M.R. Baig and A.M. Hassib, Physica B: Condensed Matter, 1995, Vol. 210, p87-90

An Air-Cooled Gradient Resistor Column for the KFUPM 350 kV Ion Accelerator, M. Raashid, R.E. Abdel-Aai, A.A. Naqvi, M.A. Al-Ohali and M.M. Nagadi, Nuclear Instruments and Methods in Physics Research, Section A, 1996, Vol. 378, p363-8

Isothermal Decomposition of Gamma-Irradiated Uranyl Acetate, M.A.S. Monshi, N.M. Abd El-Salam and R.M. Mahfouz, Thermochemica Acta, 1998, Vol. 322, p33-7

Angular Distribution Measurements of ${}^6\text{Li}/{}^3\text{He}$ Reaction at 140 keV Proton Energy Using Nuclear Track Detectors, M.I. Al-Jarallah, A.A. Nagvi, F.A. Abu-Jarad, Fazal-ur-Rehman, S.M.A. Durrani and S. Kidwai

Comparison of Gamma-Ray Spectroscopy and Delayed Neutron Counting for Determination of Uranium, O.A. Aldayel, H.H. Alharbi and S. Algamdi, Analytical Science, 2002, Vol. 18, p489-90

Fast and Thermal Neutron Intensity Measurements at the KFUPM PGNA A Setup, M.I. Al-Jarallah, A.A. Nagvi, Fazal-ur-Rehman and F. Abu-Jarad, Nuclear Instruments and Methods in Physics Research, Section B, 2002, Vol. 195, p435-41

Monte Carlo Calculations for Design of an Accelerator Based PGNA A Facility, M.M. Nagadi, A.A. Nagvi, Khateeb-ur-Rehman and S. Kidwai, Journal of Nuclear Science and Technology, 2002, Vol. 2, p1376-9

Determination of the Uranium Content of Egyptian Phosphate Ores by Passive and Active Detectors, A.F. Saad, T.M. Talaat, ⁽⁵⁾S.T. Atwa, G. Espinosa and M. Fujii, Radiation Measurements, 2003, Vol. 36, p561-5

⁽⁵⁾Work performed while at Zagazig University, Zaazig, Egypt. Present address is the Department of Science and Mathematics, College of Education for Girls, Al-Lieth, Saudi Arabia

Sensitivities of 14MeV Neutron Activation Analysis Using a Drift-Tube Neutron Generator at KFUPM, A. Aksoy, F.Z. Khiari and M.N. Haddad, Arabian Journal for Science and Engineering, Section B: Engineering, 2003, Vol. 28, p61-72

A Monte Carlo Comparison of PGNAA System Performance Using ^{252}Cf Neutrons, 2.8-MeV Neutrons and 14-MeV Neutrons, A.A. Nagvi, Nuclear Instruments and Methods in Physics Research, Section A, 2003, Vol. 511, p400-7

Transmission of Radiation Through an Aerosol Medium, ⁽⁶⁾S.A. El-Wakil, ⁽⁷⁾A. Elgarayhi and ⁽⁶⁾A. Elhanbaly, Journal of Quantitative Spectroscopy and Radiative Transfer, 2005, Vol. 93, p521-30

⁽⁶⁾Theoretical Physics Research Group, Physics Department, Faculty of Science, University of Mansoura, Mansoura, Egypt

⁽⁷⁾College of Sciences, King Saud University, Al-Qasseem Branch, Burieda, Saudi Arabia

Use of $^7\text{Li}(p,n)$ Reaction as a Neutron Source in a PGNAA Setup, A.A. Naqvi and M.M. Nagadi, Applied Radiation and Isotopes, 2005, Vol. 62, p411-8,

Nuclear Safety:

Conference papers:

Assessment of Present and Future Radwaste Generation in Saudi Arabia for the Design of Treatment and Storage Facilities, S. Abdul-Majid and A.I. Al-Marshad, Proceedings of the 6th International Topical Meeting on Nuclear and Hazardous Waste Management, Seattle, Washington, 1996

Radioactivity Concentrations in Soil in the Western Province of Saudi Arabia, S. Abdul-Majid, W. Abdulfarah and I. Kutbi, 9th International Conference on Radiation Protection, Vienna, Austria, 1996

Journal Articles:

Unavailability Assessment of the Emergency Core Cooling System in a CANDU-PHWR, Tawfik A. Al-Kusayer, Transactions of the American Nuclear Society, 1984, Vol. 47, p330-2

Availability of the Emergency Core Cooling System of a CANDU Pressurized Heavy-Water Reactor Following a Small Loss-of-Coolant Accident, Tawfik A. Al-Kusayer, Nuclear Technology, 1985, Vol. 69, p293-307

Radioactive Releases from CANDU Power Reactors During an End-Fitting Failure Postulated Accident, F.M. Hussein, Journal of King Saud University, Engineering Science, 1990, Vol. 2, p115-29

Assessment of the Global Fallout of Plutonium Isotopes and Americium-241 in the Soil of the Central Region of Saudi Arabia, E.I. Shabana and H.L. Al-Shammari, Journal of Environmental Radioactivity, 2001, Vol. 57, p67-74

Evaluation of Ilmenite Serpentine Concrete and Ordinary Concrete as Nuclear Reactor Shielding, W.H. Abulfaraj and S.M. Kamal, Radiation Physics and Chemistry, 1994, Vol. 44, p139-48

Design of a Temporary Radioactive Waste Storage Facility, W.H. Abulfaraj, T.A. Samman, S.E.M. Kamal, Radiation Physics and Chemistry, 1994, Vol. 44, p149-56

Factors Affecting Radon Removal from Rn-222 Enriched Water, W.H. Abulfaraj and A.M. Momoon, Applied Radiation and Isotopes, 1995, Vol. 46, p609-10

Use of Photodiode in Microdosimetry and Evaluation of Effective Quality Factor, A. Kadachi, A. Waheed, M. Al-Eshaikh and M. Obeid, Nuclear Instruments and Methods in Physics Research, Section A, 1998, Vol. 404, p400-6

Decontamination Leaching of Ra-226 Contaminated Gravel as Monitored by Liquid Scintillation Counting and Thermoluminescent Dosimetry, A. Mommon, W.H. Abulfaraj, S.M. Kamal and M.A. Sohsah, Radiation Physics and Chemistry, 1998, Vol. 51, p615-6

Assessment of the Global Fallout of Plutonium Isotopes and Americium-241 in the Soil of the Central Region of Saudi Arabia, ⁽⁸⁾E.I. Shabana and H.L. Al-Shammari, Journal of Environmental Radioactivity, 2001, Vol. 57, p67-74

⁽⁸⁾Work performed at the Institute of Atomic Energy Research, King Abdulaziz City of Science and Technology, Riyadh, Saudi Arabia while on leave from the Hot Laboratories Center, Atomic Energy Authority, Cairo, Egypt

Surface Disposal of ²²⁶Ra Contaminated Gravel Monitored by TLD and Charcoal Canisters, A. Mamoon, M.A. Gomaa and S.M. Kamal, Radiation Physics and Chemistry, 2001, Vol. 61, p685-6

Laboratory Scale Studies on Mitigation of High ²²²Rn Concentrations in Air and Water, A. Mamoon, M.A. Gomaa and M. Sohsah, Nuclear Instruments and Methods in Physical Research, Section B, 2004, Vol. 213, p76669

Material Science Related Research:

Conference Papers:

Multielement Neutron Activation Analysis of an Iron Ore, M.A. Raoof, A. Naeem, R. Zaghoul, A.F. Abdul-Fattah and M.A. Obied, 1980 Conference on the Application of Accelerators in Research and Industry, Denton, Texas, November 3-5, 1980

Studies on the Recovery of ⁹⁹Mo from Uranium Fission Products, M. Ejaz and A.M. Mamoon, 1987 Annual Meeting of the American Nuclear Society, Dallas, Texas, June 7-11, 1987

Journal Articles:

Laser Induced Damage to Glass and Stainless Steel Targets, N. Barakat, T. El-Dessouki and F. Sharaf, Applied Optics, 1980, Vol. 11, p123-6

Radiochemical Studies on the Extraction of Trace Amounts of Mercury (II) from Aqueous Iodide Solutions Using 4-(5-Nonyl)Pyridine as a Solvent, M. Ejaz M.A. Qureshi and Shamas ud Zuha, Separation Science and Technology, 1981, Vol. 16, p291-302

X-Ray Studies of Metal Oxide Promoted Nickel Catalysts for Hydrogen-Water-Deuterium Exchange, F.H. Abdou El-Nour, A.A. Al-Suhybani, S.H. Al-Khowaiter, Isotopenpraxis, 1982, Vol. 18, p223-5

Specific Heat of Uranium Dioxide Between 0.3 and 50K, G.D. Khattak, Physica Status Solidi A, 1983, Vol. 75, p317-21

New Method for the Removal of Radioiodine by Treated Natural Clay, E. Hallaba, A. Al-Suhybani, S. Al-Khowaiter and A. El-Sadik, Arab Gulf Journal of Scientific Research, 1984, Vol. 2, p67-74

Laser Damage Measurements in Glass Substrates Coated by Metallic Film, T. El-Dessouki, F. Sharf, I. Fouda and N. Khalil, Arab Gulf Journal of Scientific Research, 1984, Vol. 2, p199-207

Laser Damage to Metallic Targets of Different Thermal Properties, T. El-Dessouki, I. Fouda, F. Sharaf and N. Khalil, Arab Gulf Journal of Scientific Research, 1985, Vol. 3, p295-305

Solvation of Thiocyanate Complexes of Tungsten (VI) by 5-(4-Pyridyl)Nonane from Aqueous Hydrochloric Acid, M.I. Butt, A. Mommon, R. Siddique, M. Ejaz, Journal of Radioanalytical and Nuclear Chemistry, 1985, Vol. 88, p231-9

Dioxouranium (VI) Complexes of Some Sulfur Donor Ligands, A.O. Baghlaf, M. Ishaq, O.A.S. Ahmed and M.A. Al-Julani, Polyhedron, 1985, Vol. 4, p853-6

Studies on the Recovery of ^{99}Mo from Uranium Fission Products, $^{(4)}$ M. Ejaz, A.M. Mamoom, Transactions of the American Nuclear Society, 1987, Vol. 54, p97-8

$^{(4)}$ On leave from the Nuclear Chemistry Division, Pakistan Institute of Nuclear Science and Technology, Rawalpindi, Pakistan. Work performed at the College of Engineering, King Abdul Aziz University, Jeddah, Saudi Arabia

Equilibrium Distribution Behavior of Molybdenyl Thiocyanates Between 5-(4-Pyridyl)Nonane in Benzene and Aqueous Phases, M. Ejaz, A.M. Mamoom and M.A. Qureshi, International Journal of Radiation Applications and Instrumentation, Part A. Applied Radiation and Isotopes, 1988, Vol. 39, p71-6

A Model for Waterside Oxidation of Zircaloy Fuel Cladding in Pressurized Water Reactors, A.I.A. Almarshad and A.C. Klein, Journal of Nuclear Materials, 1991, Vol. 183, p186-94

Structural Model of Dioxouranium (VI) with Hydrazono Ligands, A.T. Mubarak, Spectrochimica Acta, Part A, 2005, Vol. 61, p1163-70

Saudi-Taiwanese Joint Nuclear Research:

Cumulative Yields of Short-Lived Fission Products in Thermal-Neutron Fission of ^{235}U ,
(⁹)C. Chung, (¹⁰)A.A. Hasan, and S. Sahin, Radiochimica Acta, 1984, Vol. 37, p131-5

(⁹)Institute of Nuclear Science, National Tsing Hua University, Hsinchu, Taiwan

(¹⁰)Nuclear Program Department, Saudi Arabian National Center for Science and Technology, Riyadh, Saudi Arabia

A Study of Different Nondestructive Techniques to Measure Irradiated Fuel Burnup, Tawfik A. Al-Kusayer, Hasan A. Abaud, and Yaw-Nan Chen, Transactions of the American Nuclear Society, 1985, Vol. 50, p158-9

Yields of Short-Lived Fission Products in $^{235}\text{U}(\text{n}_{\text{th}},\text{f})$, Abdulhamid A. Hasan, Sumer Sahin, and Chien Chung, Transactions of the American Nuclear Society, 1985, Vol. 49, p209-11

Measurement of the Short Lived Cumulative Fission Yield in U-235, Abdulhamid A. Hasan, Sumer Sahin, and Chien Chung, Radiation Effects, 1986, Vol. 93, p193-6

Nuclear Weapons Related Research:

Documents/Reports:

CLAW-B, DLC-36 Coupled 30 Neutrons, 12 Gamma-Ray Group Cross Sections with Retrieval Programs for Radiation Transport Calculations, T. A. Al-Kusayer, S. Sahin, A. Dirra, March 1984

Conference Papers:

The Connection Between Nuclear Industry and Atomic Weapons, S. Sahin, First Islamic Solidarity Conference in Science and Technology, University of Riyadh, Saudi Arabia, 1976

Radiation Shielding Capability of Desert Sand and Asphalt, S. Sahin and T.A. Al-Kusayer, Proceedings of the Second Saudi Engineers Conference, Dhahran, Saudi Arabia, November 1985

Journal Articles:

The Effect of the Spectrum Softening Within the Enhanced Radiation Warhead (ERW) on the Biological Dose, ⁽¹¹⁾Sumer Sahin, ⁽¹²⁾Anil Kumar, Atomkernenergie Kerntechnik, 1984, Vol. 45, p117-21

⁽¹¹⁾Written while Dr. Sahin was at the King Saud University, College of Engineering, Department of Electrical Engineering, Riyadh, Saudi Arabia on leave from the University of Erciyes, Faculty of Engineering, Kayseri, Turkey

⁽¹²⁾Coauthored with S. Sahin while Dr. Kumar was at the Institut de Genie Atomique, Swiss Federal Institute of Technology, Lausanne, Switzerland, on leave from the Bhabha Atomic Research Center, Bombay, India

Assessment of the Radiation Protection Capability of Desert Sand Against Fusion Neutrons, Tawfik A. Al-Kusayer, Atomkernenergie Kerntechnik, 1986, Vol. 49, p100-3

Investigation of the Radiation Shielding Capacity of Asphalt Sand for Fast Neutron Sources, T.A. Al-Kusayer, Journal of King Saud University, Engineering Science, 1992, Vol. 4, p193-210

The Susceptibility of Communications Satellites to the Electromagnetic Pulse, T.A. Al-Kusayer, Journal of King Saud University, Engineering Science, 1992, Vol. 4, p229-37