

Prof. Dr.-Ing. Sümer Şahin



CURRICULUM VITAE (1 July 2017)

PERSONAL DATA

Name: Sümer Şahin

Present Position: Professor of Mechanical and Nuclear Engineering

Nationality: Turkish

Town of origin: Erdemli, Mersin, TÜRKİYE

Birth date and place: 9 June 1942, Kadirli, Osmaniye, TÜRKİYE

Marital Status: Married, 2 children

Buiseness adderes:

Dean, Faculty of Engineering

Near East University

Turkish Republic of Northern Cyprus

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Web-pages: <https://neu.edu.tr/academic/faculties/faculty-of-engineering/academic-staff/>

<https://neu.edu.tr/wp-content/uploads/2016/12/ydu-prof-dr-sumer-sahin-cv-tr.pdf>

<https://scholar.google.com.tr/citations?user=7YKnRQkAAAAJ&hl=en&authuser=1>

FOREIGN LANGUAGES

- English (fluent)
- French (fluent)
- German (fluent)

ACADEMIC DEGREES

- 1981: Promotion to a **Full Professor in Nuclear Engineering**, University of Ege, İzmir, Türkiye
- 1973: **Habilitation (Doçent-Dozent) in Physics**, University of Ankara, Ankara, Türkiye
- 1970: **Doktor-Ingenieur (PhD) in Mechanical Engineering**, University of Stuttgart, Stuttgart, Germany
- 1967: **Diplom-Ingenieur (MS) in Mechanical Engineering**, University of Stuttgart, Stuttgart, Germany

ACADEMIC POSITIONS

- August 2016 - presently: **Professor and Dean**, Faculty of Engineering, Near East University, Turkish Republic of Northern Cyprus
- December 2009 – July 2016: **Professor**, Department of Mechanical Engineering, Faculty of Engineering, ATILIM University, Ankara, Türkiye.
- March 1988 – June 2009: **Professor**, Faculty of Technology, Gazi University, Ankara, Türkiye
- June 1984 - March 1988: **Professor**, Department of Mechanical Engineering, Faculty of Engineering, Erciyes University, Kayseri, Türkiye
- 1983 - 1986: **Professor**, Department of Electrical Engineering, College of Engineering, King Saud University, Riyadh, Saudi Arabia
- 1978 - 1983: **Advanced Research Scientist**, Institut de Génie Atomique, Department of Physics, Ecole Polytechnique Fédérale de Lausanne, Lausanne, Switzerland
- 1974 - 1980: **Associate Professor**, Faculty of Engineering Sciences, University of Ege, İzmir, Türkiye.
- 1970 - 1974: **Assistant Professor and after 1973 Associate Professor**, Faculty of Mechanical and Electrical Engineering, Karadeniz Technical University, Trabzon, Türkiye

FOREIGN EXPERIENCES

- 1960 – 1961: Iserlohn, Germany (Goethe Institute + industrial practice)
- 1961 – 1970: University of Stuttgart, Stuttgart, Germany (BS, MS, PhD in mechanical engineering)
- 1972 – 1973: Radiation Shielding Information Center, Oak Ridge National Laboratory, Oak Ridge, Tennessee, USA (Post doctoral NATO fellow)
- 1978 - 1983: Institut de Génie Atomique, Ecole Polytechnique Fédérale de Lausanne, Lausanne, Switzerland (Faculty)
- 1983 - 1986: College of Engineering, King Saud University, Riyadh, Saudi Arabia (Professor)
- Summer 1984 and Summer 1985: National Tsing-Hua University, Hsinchu, Republic of China (Visiting Professor)
- Summer 1993: Space Exploration Associates, Cedarville, Ohio 45314, USA (Visiting scientist)
- February 1997: Universität Innsbruck, Institut für theoretische Physik, Austria (Guest professor)
- Summer 2003: CERN, European Nuclear Research Center, Geneva, Switzerland (Visiting scientist)
- Summer 2004: Radiation Shielding Information Center, Oak Ridge National Laboratory, Oak Ridge, Tennessee, USA (Visiting scientist)
- Summer 2006: General Atomics, San Diego, CA, USA (Visiting scientist)

PRINCIPAL COURSES TAUGHT

Nuclear Engineering,	Reactor Physics,	Modern Physics,
Heat Transfer,	Thermodynamics,	Radiation Safety,
Physical Aspects of the Energy Production,	Nuclear Reactor Design,	
Fusion Technology,	Heat Pipes	

- Advising ~ 20 Master Thesis and ~ 20 Doctoral Dissertations

These courses were taught in the following Universities:

- ATILIM University, Ankara, Türkiye
- Gazi University, Ankara, Türkiye
- Erciyes University, Kayseri, Türkiye
- King Saud University, Riyadh, Saudi Arabia
- Ecole Polytechnique Fédérale de Lausanne, Switzerland
- Faculty of Engineering, University of Ege, İzmir, Türkiye
- Karadeniz Technical University, Trabzon, Türkiye

PRINCIPAL AREAS OF EXPERTISE

- Neutron Transport Theory
- Nuclear Radiation Shielding
- Thermionic Space Craft Reactors
- Space Craft Nuclear Propulsion
- Fusion Technology
- Fusion Fission (Hybrid) Reactors
- Nuclear Waste Transmutation
- Alternative Fuels for CANDU Reactors
- Accelerator Driven Systems
- Concentrated Solar Power

LEADING RESPONSIBILITIES

- August 2016-presently: DEAN, Faculty of Engineering, Near East University, Turkish Republic of Northern Cyprus
- 2016-presently: ACADEMIC MEMBER, ATINER, Athens Institute for Education and Research
- HONORARY CHAIRMAN, NURER2016, The 5th International Conference on Nuclear and Renewable Energy Resources, Hefei, Anhui, China (18-21 September 2016) <http://nurer2016.org.cn/>
- 2015-presently: PRESIDENT of ICENES, International Conference on Emerging Nuclear Energy Systems series
- Dec. 2009 – Oct. 2015: CHAIRMAN, Department of Mechanical Engineering, ATILIM University, Faculty of Engineering
- HONORARY CHAIRMAN, **ICENES 2015**, 17th International Conference on Emerging Nuclear Energy Systems, İstanbul, Türkiye (4-8 October 2015) <http://www.icenes2015.org/index.php>
- HONORARY CHAIRMAN, NURER2014, The 4th International Conference on Nuclear and Renewable Energy Resources, Antalya, Türkiye (18-23 October 2014) <http://nurer2014.org/>
- 2013-presently: HONORARY EDITORIAL BOARD, International Journal of Hydrogen Energy, <http://www.journals.elsevier.com/international-journal-of-hydrogen-energy/editorial-board/>
- HONORARY CHAIRMAN, NURER2012, The III. International Conference on Nuclear and Renewable Energy Resources, İstanbul, Türkiye (20-23rd May 2012) <http://www.nurer.org/>
- 2011: GENERAL CHAIRMAN, SET2011, 10th International Conference on Sustainable Energy Technologies, (4-7th September 2011)
- 2009 – October 2015: CHAIRMAN, Department of Mechanical Engineering, Faculty of Engineering, ATILIM University, Ankara, Türkiye
- 2007: CHAIRMAN, **ICENES 2007**, 13th International Conference on Emerging Nuclear Energy Systems, İstanbul – Türkiye (3 – 8 June 2007) <http://www.icenes2007.org/>
- 2004 – Presently: EDITORIAL BOARD, Journal “Energy Conversion & Management”, <http://www.sciencedirect.com/science/journal/01968904/110>; http://ac.els-cdn.com/S0196890416000078/1-s2.0-S0196890416000078-main.pdf?_tid=22ef3076-c4fa-11e5-bbe7-00000aacb361&acdnat=1453901611_0a351ed203cf31db9caf28c365699076
- 1997: GUEST PROFESSOR, Universität Innsbruck, Institut für theoretische Physik, Innsbruck, Austria

- 1989-1990: DIRECTOR (GRADUATE DEAN), Institute of Science and Technology, Gazi University, Ankara, Türkiye
- Febr. 1987- Jan. 1988: PRESIDENT, Turkish Scientific and Technical Research Council of (TÜBİTAK) ANKARA, Türkiye http://www.tubitak.gov.tr/tubitak_content_files/ozgecmis/SumerSahin.pdf
- 1987-1989: VICE-CHAIRMAN, Intergovernmental Committee on Science and Technology for Development, United Nations, New York, USA
- 1985-1987: DEAN, Faculty of Engineering, Erciyes University, Kayseri, Türkiye
- 1972-1974: CHAIRMAN, Department of Mechanical Engineering, Karadeniz Technical University, Trabzon, Türkiye

OTHER RESPONSIBILITIES & COMMUNITY SERVICES

1987 - 1988: Chairman, Special Commission for the Mainframe Planning of Scientific Research and Technology of Türkiye State Planning Organization, Ankara, Türkiye

1980: Scientific Secretary of the Second International Conference on Emerging Nuclear Energy Systems, Lausanne, Switzerland

PROJECTS

2006–2007: Leader of the project “Utilization of Thorium and Nuclear Waste Actinides as Nuclear Fuel in Advanced Nuclear Reactors”, supported by The Turkish Atomic Energy Authority, , Ankara, Türkiye

2003–2004: Leader of the project “Nuclear Fuel Production in Emerging Nuclear Energy Systems”, supported by the research Fund of Gazi University, Ankara, Türkiye

2003–2004: Leader of the project “Utilization of Thorium Using Advanced Nuclear Technologies”, supported by the State Planning Organization of Türkiye, Gazi University, Ankara, Türkiye

2001–2003: Leader of the project “Assessment of Thorium Fuel in Fission Reactors”, supported by the research Fund of Gazi University, Ankara, Türkiye

1995-1999: Leader of the project “Nuclear and Fossil Energy Systems for Space Crafts”, supported by the State Planning Organization of Türkiye, Gazi University, Ankara, Türkiye

1990-1994: Leader of the project “Fusion Technology”, supported by the State Planning Organization of Türkiye, Gazi University, Ankara, Türkiye

1979-1983: Chief of the Experimental Project “Fusion - Fission (Hybrid) Reactor (LOTUS)”, Institut de Génie Atomique, Ecole Polytechnique Fédérale de Lausanne, Lausanne, Switzerland

RESEARCH EXPERIENCE

2016-Presently: On Fusion Technology, Fusion Fission (Hybrid) Reactors, Actinide Burning, Fusion Propulsion and Generation-IV Reactors, ADS, Near East University, Turkish Republic of Northern Cyprus

2009-2016: On Fusion Technology, Fusion Fission (Hybrid) Reactors, Actinide Burning, Fusion Propulsion and Generation-IV Reactors, ADS, ATILIM University, Ankara, Türkiye

1988-2009: On Fusion Technology, Fusion Fission (Hybrid) Reactors, Actinide Burning, Fusion Propulsion and Space Thermionic Reactors by setting up an effective multigroup neutron physics analysis system, Gazi University, Ankara, Türkiye.

1984-1988: On Fusion - Fission (Hybrid) Reactors by setting up an effective multigroup neutron physics analysis system, Erciyes University, Kayseri, Türkiye.

1983-1986: In the area of Fusion - Fission (Hybrid) Reactors and Radiation Shielding by setting up an effective multigroup neutron physics analysis system, King Saud University, Riyadh, Saudi Arabia

1978-1983: In the area of Fusion - Fission (Hybrid) Reactors and Radiation Shielding by setting up an effective multigroup neutron physics analysis system, Ecole Polytechnique Fédérale de Lausanne, Lausanne, Switzerland

1974-1980: In the area of Radiation Shielding and Space Craft Thermionic Reactors by setting up an effective multigroup neutron physics analysis system, University of Ege, İzmir, Türkiye

1972-1973: On Multigroup Analysis of Radiation Shielding Problems of Fast Reactors Radiation Shielding Information Center, Oak Ridge National Laboratory, Oak Ridge, USA

1966-1970: On Multigroup Neutronic Analysis of Thermionic Reactors for Spacecraft Applications, Institute of Nuclear Energy, University of Stuttgart, Stuttgart, Germany

INVITED TALKS & SEMINARS (FOREIGN)

- 2015: Institute of Technology Bandung, Bandung, Indonesia
- 2015: Pakistan Institute for Engineering and Applied Sciences, Nihore, Pakistan
- 2015: DIRECTORATE OF NUCLEAR POWER ENGINEERING REACTOR, Islamabad, Pakistan
- 2014: The FEDERAL UNIVERSITY OF RIO DE JANEIRO, Brazil
- 2014: Universidade do Minho, Guimarães, Portugal
- 2013: [Universidad Politécnica de Madrid \(UPM\)](#), Madrid, Spain
- 2010: Shanghai Nuclear Engineering Research & Design Company, Shanghai, China
- 2007: Atominstitut der Österreichischen Universitäten, Technische Universität Wien, Vienna, Austria
- 2006: Lawrence Livermore National Laboratory, University of California, Livermore, USA
- 2003: Lawrence Livermore National Laboratory, University of California, Livermore, USA
University of California, Department of Nuclear Engineering, Berkeley, CA, USA
- 1995: Lawrence Livermore National Laboratory, University of California, Livermore, USA
University of California, Department of Nuclear Engineering, Berkeley, CA, USA
Space Power Incorporation, San Jose, CA, USA
- 1993: University of Tehran, Department of Physics, Tehran, Iran
- 1991: University of Wales, College of Cardiff, Cardiff, UK
- 1989: United Horizons Office, Riyadh, Saudi Arabia
- 1985: DENIM, Universidad Politécnica de Madrid, Spain
McMaster University, Hamilton, Canada
National Tsing - Hua University, Hsinchu, Republic of China
Institute of Nuclear Energy Research, Lung - Tan, Republic of China
Eidgenössisches Institut für Reaktorforschung, Würenlingen, Switzerland
- 1984: University of Petroleum and Minerals, Dhahran, Saudi Arabia
National Tsing - Hua University, Hsinchu, Republic of China
- 1983: Eidgenössische Technische Hochschule, Zürich, Switzerland
King Abdul Aziz University, Jeddah, Saudi Arabia
- 1982: Bhabha Atomic Research Centre, Bombay, India
Reactor Research Centre, Kalpakkam, India
Vikram Sarabhai Space Centre, Trivandrum, India
King Abdul Aziz University, Jeddah, Saudi Arabia
- 1981: Department of Mechanical Engineering, Ohio State University, Columbus, OH, USA
King Abdul Aziz University, Jeddah, Saudi Arabia
Plasma Physics Laboratory, Princeton University, Princeton, New Jersey, USA
- 1980: Fusion Power Systems Department, Westinghouse Electric Corporation, Pittsburgh, Pennsylvania, U. S. A.
- 1979: Department of Energy, Washington, DC, USA

PUBLICATIONS IN FOREIGN LANGUAGES

[*] Registered in Science Citation Index

Total # of citations in SCI = 1795

H = 26

i10 = 54

THESES

- a) "Berechnung eines thermischen thermionischen Kernreaktors mit abgeflachter Leistungsdichteverteilung", IKE-Bericht, Nr. 6-36d, *MS Thesis*, University of Stuttgart, Germany (1967)
- b) "Zweckmäßige Auslegung von thermischen Vollthermionikreaktoren mit konstanter Emittieraufheizung zur Anwendung in der Raumfahrt", IKE-Bericht, Nr. 6-45, *PhD Thesis*, University of Stuttgart, Germany (1970)
- c) "Comparison of Diffusion and Transport Theory for Fast Reactor Shielding Calculations", Presented to the Faculty of Science, Ankara University, Türkiye, *Habilitation thesis in Turkish* (1973)
- d) "An Attempt to Unveil the Basic Structure of the Neutron Bomb and Evaluate a Protection Against it", University of Ege, Izmir, Türkiye (1981) (*Thesis submitted for being promoted to the full professorship position, in Turkish*)

REFEREED JOURNAL ARTICLES

1. Abstract of the Ph.D. Thesis, *VDI-Zeitschrift*, Vol. 113, p. 191 (1971) (S. Şahin)
2. "Thermische Vollthermionikreaktoren mit konstanter Emittieraufheizung zur Anwendung in der Raumfahrt", *Atomkernenergie*, Vol. 18, pp. 177-188 (1971) (S. Şahin) [*]
3. "Analytische Behandlung des konstanten thermischen Flussverlaufs für ebene Geometrie", *Atomkernenergie*, Vol. 20, pp. 117-121 (1972) (S. Şahin) [*]
4. "Comparison of Diffusion and Transport Theory for Fast Reactor Shielding Calculations", *Atomkernenergie*, Vol. 22, pp. 24-35 (1973) (S. Şahin) [*]
5. "A Comparison of Data Libraries for Thermal Fuel Cell Calculations", *Atomkernenergie*, Vol. 23, pp. 151-152 (1974) (S. Şahin) [*]
6. "An Investigation of Fuel-Moderator Combinations for Thermal Thermionic Reactors in Space Crafts", *Atomkernenergie*, Vol. 24, pp. 89-94 (1974) (S. Şahin) [*]
7. "The ^{240}Pu Content of Commercial Produced Plutonium and the Criticality of Fast Assemblies", *Atomkernenergie*, Vol. 27, pp. 23-26 (1976) (S. Şahin) [*]
8. Answer to Fleck's Remarks to Şahin's Paper "The ^{240}Pu Content of Commercial Produced Plutonium and the Criticality of Fast Assemblies", *Atomkernenergie*, Vol. 28, pp. 297-298 (1976) (S. Şahin) [*]
9. "Neutron Physics Analysis of Thermionic Reactors for Space Crafts with ^{233}U as fuel and $\text{ZrH}_{1.7}$ as Moderator", *Atomkernenergie*, Vol. 28, pp. 256-258 (1976) (S. Şahin) [*]
10. "Neutron Physics Analysis of Thermionic Reactors for Space Crafts with ^{233}U as Fuel and Beryllium as Moderator", *Annals of Nuclear Energy*, Vol. 3, nos. 9-10, pp. 447-450 (1976) (S. Şahin) [*]
<http://www.sciencedirect.com/science/article/pii/0306454976900293>
11. "Solar Energy Thermionic Power Plants for Space Crafts", *Kerntechnik*, Vol. 19, pp. 233-236 (1977) (S. Şahin) [*]
12. "A 50 kW(el) Solar Energy Thermionic Generator for Space Craft", *Atomkernenergie*, Vol. 31, pp. 203-205 (1978) (S. Şahin) [*]
13. "The Effects of ^{240}Pu on Neutron Lifetime in Nuclear Explosives", *Annals of Nuclear Energy*, Vol. 5, no. 2, pp. 55-58 (1978) (S. Şahin) [*] <http://www.sciencedirect.com/science/article/pii/0306454978901044>

14. "Investigation of the Suitability of the Reflector Drums as Control Mechanism for Thermionic Reactors in Space Crafts with ^{233}U as Fuel and $\text{ZrH}_{1.7}$ as Moderator", *Annals of Nuclear Energy*, Vol. 5, nos. 3-4, pp. 107-116 (1978) (S. Şahin, A. Erişen) [*] <http://www.sciencedirect.com/science/article/pii/0306454978900634>
15. "Investigation of the Suitability of the Diffusion Theory for Simple Shielding Calculations of Fast reactors", *Journal of the Faculty of Engineering*, University of EGE, Vol. 5, pp. 1-29 (1979) (S. Şahin)
16. Addendum to "Answer to Fleck's Remarks to Şahin's Paper", *Atomkernenergie/ Kerntechnik*, Vol. 33, p. 223 (1979) (S. Şahin) [*]
17. "Solar Energy Power Generators with Hybrid Thermionic Converters", *Atomkernenergie/ Kerntechnik*, Vol. 33, pp. 303-304 (1979) (S. Şahin) [*]
18. "Reflector Drums as Control Mechanism for Compact Thermionic Space Craft Reactors with ^{233}U as Fuel", *Nuclear Energy, Journal of the British Nuclear Energy Society*, Vol. 18, pp. 401-408 (1979) (S. Şahin, A. Erişen, S. Selvi, S. Yalçın) [*]
19. "Advanced Thermionic Generators with Solar Energy for Spatial Applications", *Transactions of the American Nuclear Society Winter Meeting*, Vol. 33, pp. 7-9, San Francisco, California (Nov. 11-16, 1979) (S. Şahin) [*]
20. "Control Mechanism for Space Craft Thermionic Reactors Leading to Lower Radiation Shielding Mass", *Transactions of the American Nuclear Society Winter Meeting*, Vol. 33, pp. 652-654, San Francisco, California (Nov. 11-16, 1979) (S. Şahin) [*]
21. "Protection Against Neutron Bomb Radiation", *Transactions of the American Nuclear Society Winter Meeting*, Vol. 33, pp. 677-678, San Francisco, California (Nov. 11-16, 1979) (S. Şahin) [*]
22. "Limited Protection Against Enhanced Radiation Warhead", *Réunion de Printemps de la Société Suisse de Physique*, Basel (5-6 April 1979) Abstract in *Helvetica Physica Acta*, Vol. 52, p. 394 (1980) (S. Şahin, A. Erişen, S. Yalçın and S. Selvi) [*]
23. "Reflector Drums as Control Mechanism for Compact Thermionic Space Craft Reactors with ^{233}U as Fuel", *Réunion de Printemps de la Société Suisse de Physique*, Basel (5-6 April 1979) Abstract in *Helvetica Physica Acta*, Vol. 52, p. 394 (1980) (S. Şahin, A. Erişen, S. Selvi and S. Yalçın) [*]
24. "Reflector Drums as Control Mechanism for Space Craft Thermionic Reactors with Constant Emitter Heating Containing ^{233}U as Fuel and Beryllium as Moderator", *Atomkernenergie/Kerntechnik*, Vol. 35, pp. 12-14 (1980) (S. Şahin, S. Selvi) [*]
25. "Investigation of the Protection Possibilities against Enhanced Radiation Warhead", *Atomkernenergie/Kerntechnik*, Vol. 35, pp. 175-178 (1980) (S. Şahin, A. Erişen, S. Yalçın, S. Selvi) [*]
26. "Basic Structure of the Fusion-Fission (Hybrid) Reactor Experimental Research Project at Laboratoire de Genie Atomique de l'EPFL", *Atomkernenergie/Kerntechnik*, Vol. 36, pp. 33-35 (1980) (S. Şahin, 5 co-authors) [*]
27. "Adjoint Weighted Neutron Lifetime in Nuclear Explosives", *Atomkernenergie/ Kerntechnik*, Vol. 36, pp. 141-142 (1980) (S. Şahin, S. Yalçın) [*]
28. "The Effect of the Spontaneous Fission of ^{240}Pu on the Energy Release in a Nuclear Explosive", *Nuclear Technology*, Vol. 50, pp. 88-94 (1980) (S. Şahin, J. Ligou) [*] http://www.ans.org/pubs/journals/nt/a_17072
29. Reply to the Comments and Supplement to "Protection Possibilities Against Enhanced Radiation Warheads", *Atomkernenergie/Kerntechnik*, Vol. 36, pp. 303-304 (1980) (S. Şahin) [*]
30. "Nonproliferation", *Nature*, Vol. 287, p. 578 (16 October 1980) (S. Şahin) [*] DOI:10.1038/287578a0 <http://www.nature.com/nature/journal/v287/n5783/abs/287578a0.html>
31. Reply to the Remarks on the " ^{240}Pu Induced Preignition Problem in a Nuclear Device", *Nuclear Technology*, Vol. 54, pp. 431-432 (1980) (S. Şahin) [*]
32. "Constant Emitter Heating on Compact Spacecraft Thermionic Reactors with ^{233}U as Fuel and Beryllium as Moderator", *Atomkernenergie/Kerntechnik*, Vol. 37, pp. 16-19 (1981) (S. Şahin, E. Ertaş) [*]
33. "Biological Radiation Shielding for a Fast Undercritical Hybrid Assembly", *Atomkernenergie/Kerntechnik*, Vol. 37, pp. 118-122 (1981) (S. Şahin, J. Ligou, M. Caro) [*]
34. "Neutronic Analysis of Fast Hybrid Thermionic Reactors", *Atomkernenergie/ Kerntechnik*, Vol. 39, no. 1, pp. 41-44 (1981) (S. Şahin) [*]

35. Book Review - "Status and Prospects of Thermal Breeders and their Effects of Fuel Utilization, IAEA-Vienna (1979)", *Atomkernenergie/Kerntechnik*, Vol. 39, pp. 60 (S. Şahin) (1981)
36. "Flight Performance of a Mars-Earth-Venus Shuttle with Energy Supply from a Solar Energy Advanced Thermionic Generator", *Atomkernenergie/Kerntechnik*, Vol. 39, pp. 177-180 (1981) (S. Şahin) [*]
37. "Investigation of Lanthanide's as Neutron Multipliers for Hybrid and Fusion Reactor Blankets", *Nuclear Technology/Fusion*, Vol. 2, pp. 224-232 (1982) (S. Şahin) [*] http://www.ans.org/pubs/journals/fst/a_20752
38. "A Solar-Thermionic Generator for Space Disposal of Nuclear Wastes", *Atomkernenergie/Kerntechnik*, Vol. 40, no. 3, pp. 155-156 (1982) (S. Şahin) [*]
39. "A Neutron Physics Analysis for the Experimental Facility LOTUS", *Atomkernenergie/Kerntechnik*, Vol. 41, no. 2, pp. 95-98 (1982) (S. Şahin) [*]
40. "Addendum to Reply to 'Remarks on the ²⁴⁰Plutonium Induced Pre-Ignition Problem in a Nuclear Device", *Nuclear Technology*, Vol. 58, p. 354 (1982) (S. Şahin) [*]
41. Discussion on "A Solar Thermionic Generator for Nuclear Waste Disposal in Space", *Atomkernenergie/Kerntechnik*, Vol. 41, p. 214 (1982) (S. Şahin) [*]
42. "A Neutronic Analysis of Lanthanide's as Neutron Multipliers for Hybrid and Fusion Blankets", *Transactions of the American Nuclear Society 1980 International Conference*, Vol. 35, pp. 132-133, Washington, DC (17-21 Nov. 1980) (S. Şahin, R. Calinon, G. L. Woodruff) [*]
43. "Performance Characteristics of a Fast Hybrid Thermionic Blanket", *Transactions of the American Nuclear Society 1980 International Conference*, Vol. 35, pp. 133-135, Washington, DC (17-21 Nov. 1980) (S. Şahin) [*]
44. "Interplanetary Shuttle Driven by a 10 MW Solar Energy Hybrid Thermionic Generator", *Transactions of the American Nuclear Society 1980 International Conference*, Vol. 35, pp. 176-177, Washington, D. C. (17-21 Nov. 1980) (S. Şahin) [*]
45. "The program of Co-operation between the King Abdul-Aziz University and the Swiss Federal Institute of Technology in the Field of Nuclear Education and Training", *Second International Conference on Nuclear Technology Transfer*, Buenos Aires, Argentina, *Transactions of the American Nuclear Society*, Vol. 42, pp. 145-146 (Nov. 1-5, 1982) (S. Şahin, J. P. Schneeberger, M. M. O. Jamjoom, S. Abdul-Majid) invited paper [*]
46. "Neutronic Performance of some Hybrid Blankets with Conventional and Actinide Waste Fuel", *Transactions of the American Nuclear Society 1982 International Conference*, Vol. 43, pp. 207-209, Washington, D. C. (Nov. 1982) (S. Şahin, A. Kumar) [*]
47. "(D,T)-driven Thermionic Hybrid Blankets with Actinides", *Transactions of the American Nuclear Society 1982 International Conference*, Vol. 43, pp. 217-219, Washington, D. C. (Nov. 1982) (S. Şahin, A. Kumar) [*]
48. "Preliminary Conceptual Design for Muon Catalyzed (D,T)-Hybrid Reactors", *Transactions of the American Nuclear Society 1982 International Conference*, Vol. 43, pp. 215-216, Washington, D. C. (Nov. 1982) (S. Şahin, A. Kumar) [*]
49. "Assessment Studies of the Biological Effects of the ERW", *Transactions of the American Nuclear Society 1982 International Conference*, Vol. 43, pp. 635-637, Washington, D. C. (Nov. 1982) (S. Şahin, A. Kumar) [*]
50. "Emerging Nuclear Energy Systems and Nuclear Weapons", *Atomkernenergie/ Kerntechnik*, Vol. 43, pp. 169-174 (1983) (B. Jasani, A. Gsponer, S. Şahin) [*]
51. "Investigation of Neutronics of some (D,T) Driven Experimental Thorium Hybrid Blankets with Actinide Multipliers", *Journal of Fusion Energy*, Vol. 3, pp. 185-197 (1983) (S. Şahin, A. Kumar) [*]
52. "Fast Hybrid Thermionic Blankets with Actinide Waste Fuel", *Nuclear Technology/Fusion*, Vol. 5, pp. 374-381 (1984) (S. Şahin, A. Kumar) [*] http://www.ans.org/pubs/journals/fst/a_23112
53. "Neutronic Analysis of (Deuterium-Tritium) Driven Experimental Hybrid Blankets", *Fusion Technology*, Vol. 6, pp. 97-108 (1984) (S. Şahin, A. Kumar) [*] http://www.ans.org/pubs/journals/fst/a_23124

54. "(Deuterium-Deuterium) Driven Experimental Hybrid Blankets and their Neutronic Analysis", *Fusion Technology*, Vol. 6, pp. 225-239 (1984) (A. Kumar, S. Şahin,) [*]
http://www.ans.org/pubs/journals/fst/a_23154
55. "The Effects of Spectrum Softening within the ERW on the Biological Dose", *Atomkernenergie/Kerntechnik*, Vol. 45, pp. 117-121 (1984) (S. Şahin, A. Kumar) [*]
56. "Cumulative Yields of Short-Lived Fission Products in Thermal Neutron Fission of ^{235}U ", *Radiochimica Acta*, Vol. 37, pp. 131-135 (1984) (S. Şahin, A. A. Hassan, C. Chung) [*]
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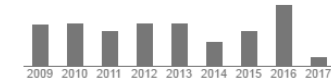
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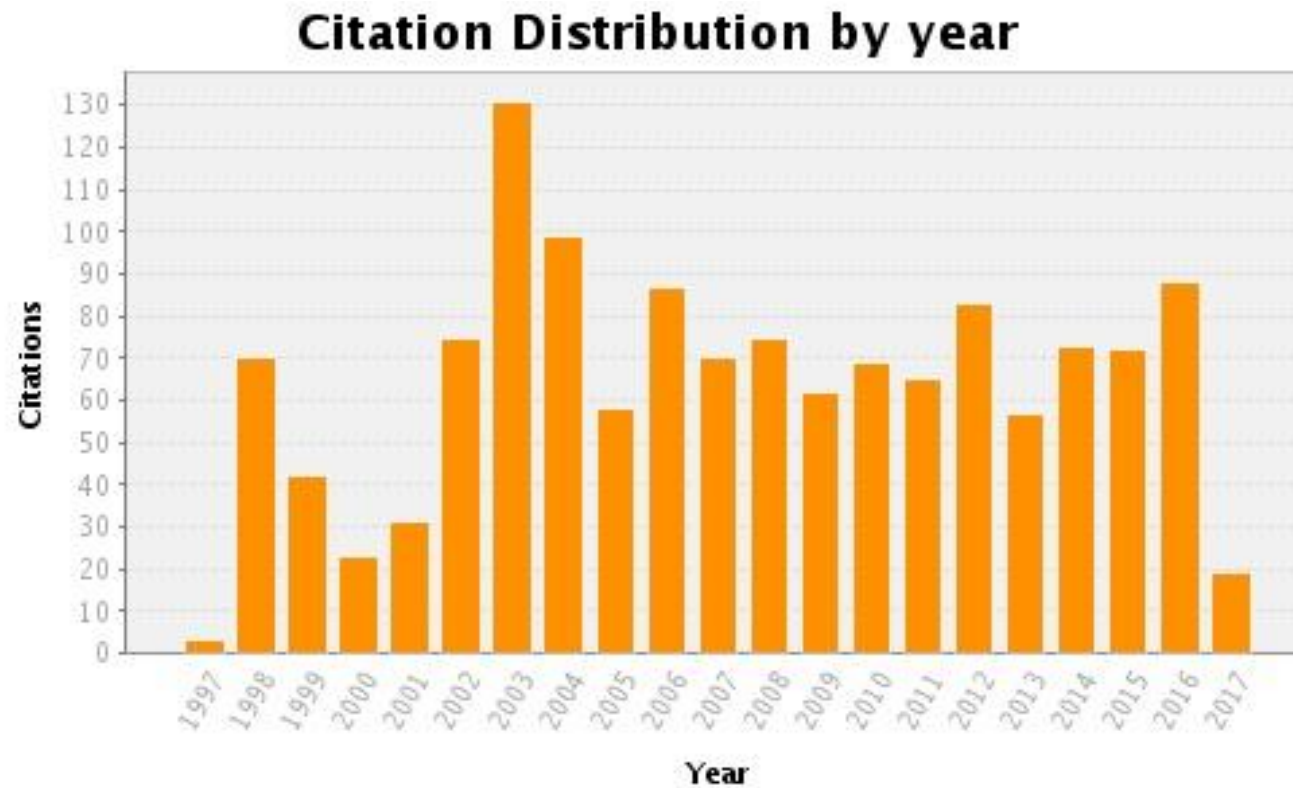
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