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Образование

Учреждение	Ереванский государственный университет
Факультет	Физический факультет, кафедра теоретической физики
Дата	1962 - 1967
Степень / Звание	Квалифицированный специалист

Ученое звание/Ученая степень

Дата	1991
Степень / Звание	Профессор

Дата	1983
Степень / Звание	Доктор наук
Научная тема	Взаимодействие заряженных частиц с интенсивным электромагнитным излучением

Знание языков

Հայերեն Русский English

Опыт работы

Учреждение	Ереванский государственный университет
Период времени	1971 до настоящего времени
Звание/степень	Директор, научный руководитель Центра физики сильных полей

Публикации

Статья
High harmonic generation and wave mixing in graphene quantum dots by bichromatic laser fields of circular polarization

H. K. Avetissian, A. G. Ghazaryan, G. F. Mkrtchian, Kh. V. Sedrakian

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Berry curvature and shift vector effects at high-order wave mixing in biased bilayer graphene
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Kh. V. Sedrakian, H. K. Avetissian, A. G. Ghazaryan, G. F. Mkrtchian

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Интенсивная генерация высших гармоник в молекуле фуллерена C180 (INTENSE HIGH HARMONIC GENERATION IN FULLERENE MOLECULE C180)
Аветисян Г.К., Казарян А.Г., Матевосян Г.Г., Мкртчян Г.Ф.

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H. K. Avetissian, S. Sukiasyan, T. M. Markosyan, G. F. Mkrtchian

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H. K. Avetissian, G. A. Musayelyan, G. F. Mkrtchian

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Collective two-boson decay of excitons in a Bose-Einstein condensate and generation of coherent photon-phonon radiation
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Generation of high energy electron and positron beams in solid-plasma-nanolayers under relativistic laser pulses
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Nonlinear absorption of high-intensity x-ray radiation in ultradense plasma
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X-ray Absorption via Electron-ion SB in Maxwellian Plasma at the Exact Consideration of Coulomb Potential
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Nonlinear response of graphene quantum Hall system to a strong laser radiation
H.K. Avetissian, G.F. Mkrtchian

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Role of Coulomb Forces and Radiation Friction in Laser Production of High Density Electron Beams from Solid-Plazma-Targets
H.K. Avetissian, S. S. Israelyan, G. F. Mkrtchian, Kh. V. Sedrakian

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Монография

Relativistic Nonlinear Electrodynamics: The QED Vacuum and Matter in Super-Strong Radiation Fields

H.K. Avetissian
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Статья

Microscopic nonlinear relativistic quantum theory of absorption of powerful x-ray radiation in plasma
H. K. Avetissian, A. G. Ghazaryan, H. H. Matevosyan, G. F. Mkrtchian

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Статья

Multiphoton interaction of a qutrit with single-mode quantized field in the ultrastrong and deep strong coupling regimes
H.K. Avetissian, A.K. Avetissian, G. F. Mkrtchian, O.V. Kibis

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Статья

Gamma-ray laser based on the collective decay of positronium atoms in a Bose-Einstein condensate
H.K. Avetissian, A.K. Avetissian, G. F. Mkrtchian

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Статья

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H.K. Avetissian, A. K. Avetissian, G.F. Mkrtchian, O.V. Kibis

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Статья

Production of high energy-solid density electron bunches and hard γ-quanta and positron fluxes by ultrarelativistic lasers in solid-plasma targets
H.K. Avetissian, H. H. Matevosyan, G. F. Mkrtchian, Kh. V. Sedrakian

Physical Review Special Topics-Accelerators and Beams 2015 121301/7

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Статья

Multiphoton Excitations and Harmonics Generation in Quantum Electrodynamic Vacuum
Avetissian H.K., Avetissian A.K., Avchyan B.R., Mkrtchian G.F.

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Статья

Intense Coherent Gamma-Ray Source Based on the Collective Radiation of Positronium Atoms in a Bose-Einstein Condensate
Avetissian H.K., Avetissian A.K., Mkrtchian G.F.

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