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Образование

Учреждение	Ереванский государственный университет
Факультет	Факультет физики, кафедра теоретической физики
Дата	1998 - 2001
Степень / Звание	Аспирант

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Факультет	Факультет физики, кафедра теоретической физики
Дата	1993 - 1998
Степень / Звание	Квалифицированный специалист

Ученое звание/Ученая степень

Учреждение	Ереванский физический институт
Дата	2003
Степень / Звание	Кандидат наук
Специальность	Физико-математические науки
Научный руководитель	Нерсес Ананикян
Научная тема	Фазовые переходы и плато намагниченности в некоторых спиновых системах, рекурсивные решетки, одномерные цепочки и нелинейная сигма-модель

Знание языков

Русский English Deutsch Українська

Публикации

Статья

Quantum entanglement in a mixed-spin trimer: Effects of a magnetic field and heterogeneous g factors

Vadim Ohanyan, Zhirayr Adamyan

Physical Review E 2024 034131

Статья

Magnetization plateaus and enhanced magnetocaloric effect of a spin-1/2 Ising-Heisenberg and Heisenberg double sawtooth ladder with four-spin interaction

Hamid Arian Zad, Vadim Ohanyan, Azam Zoshki, Jozef Strecka
Physical Review E 2023 044132 (1-12)

Статья

Electric field driven flat bands: Enhanced magnetoelectric and electrocaloric effects in frustrated quantum magnets

Vadim Ohanyan, Johannes Richter, Joerg Schuleburg, Juergen Schanck
Physical Review B 2022 054420

Статья

Magnetic and magnetoelectric properties of $AFeF_5$ ($A = Ca, Sr$) spin-chain compounds

N. V. Ter-Oganessian, S. A. Guda, V. P. Sakhnenko, V. Ohanyan
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Spin-1/2 XX chain in a transverse field with regularly alternating g factors: Static and dynamic properties

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Статья

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Конференция

Interplay of Katsura-Nagaosa-Balatsky mechanism and zigzag geometry of lattice bonds: exactly solvable model of the $S = 1/2$ XY magnetoelectric

OHANYAN Vadim, BARAN Ostep, VERKHOLYAK Taras

Конференция

Spin-1/2 XY Model of a Magnetoelectric on Zigzag Ladder: Exact Results

V. Ohanyan, O. Baran, T. Verkholyak

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Non-conserved magnetization, negative g-factors and 'fire-and-ice' spin configurations

V. Ohanyan, J. Strečka, O. Rojas, J. Torrico, S. Bellucci

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Electric field driven flat bands: Enhanced magnetoelectric and electrocaloric effects in frustrated quantum magnets

Johannes Richter, Vadim Ohanyan, Joerg Schulenburg, Juergen Schnack
