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Образование

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

Учреждение	Ереванский государственный университет
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

Publications

Статья

Molecular nanomagnet $\text{Cu}_2+\text{Ni}_2+\text{Cu}_2+$ as a resource for bipartite and tripartite quantum entanglement and coherence

Azadeh Ghannadan, Hamid Arian Zad, Saeed Haddadi, Jozef Strečka, Zhirayr Adamyan, Vadim Ohanyan

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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

Journal of Magnetism and Magnetic Materials 2020 165720(1-6)

Статья

Spin-1/2 XX chain in a transverse field with regularly alternating g factors: Static and dynamic properties

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Influence of XY anisotropy on a magnetoelectric effect in spin-1/2 XY chain in a transverse magnetic field

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Статья

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Z. A. Adamyan, S. A. Muradyan, V. R. Ohanyan

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Статья

Non-conserved magnetization operator and 'fire-and-ice' ground states in the Ising-Heisenberg diamond chain

Vadim Ohanyan, Jordana Torrico, Onofre Rojas

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Статья

Spin-1/2 XY -chain magnetoelectric: Effect of zigzag geometry

Vadim Ohanyan, Ostap Baran, Taras Verkholyak

Physical Review B 2018 064415(1-13)

Статья

Absence of actual plateaus in zero-temperature magnetization curves of quantum spin clusters and chains

Vadim Ohanyan, Onofre Rojas, Jozef Strecka, Stefano Bellucci

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Статья

Magnetism-driven ferroelectricity in spin-1/2 XY chains

Vadim Ohanyan, Oleg Menchyshyn, Taras Verkholyak, Taras Krokhmalskii, Oleg Derzhko

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Статья

Magnetization non-rational quasi-plateau and spatially modulated spin order in the model of the single-chain magnet,

$[\text{CuL}_2\text{Dy}]\{\text{Mo}(\text{CN})_8\} \cdot 2\text{CH}_3\text{CN}$

Vadim Ohanyan, Stefano Bellucci, Onofre Rojas

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Статья

Landau problem on the ellipsoid, hyperboloid and paraboloid of revolution

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Статья

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Vadim Ohanyan, Stefano Bellucci

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Статья

Exact description of the magnetoelectric effect in the spin-1/2 XXZ-chain with Dzyaloshinskii-Moriya interaction

Michael Brockmann, Andreas Klumper, Vadim Ohanyan

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Статья

Magneto-thermal properties of the Heisenberg-Ising orthogonal-dimer chain with triangular XXZ-clusters

Vadim Ohanyan, Andreas Honecker

Physical Review B 2012 054412(1-17)

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Статья

Exactly solvable mixed-spin Ising-Heisenberg diamond chain with biquadratic interactions and single-ion anisotropy

Onofre Rojas, S. M. de Souza, Vadim Ohanyan, Martiros Khurshudyan

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Статья

Lattice distortions in sawtooth chain with Heisenberg and Ising bonds

S. Bellucci, V. Ohanyan

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Stefano Bellucci, Vadim Ohanyan

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Статья

Local WZW-theory on a Manifold with Boundary

Samvel Apikyan, Vadim Ohanyan

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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 Ostap, VERKHOLYAK Taras

Конференция

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

V. Ohanyan, O. Baran, T. Verkholyak

Конференция

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
