

# Leonid E Svistov

## List of Publications by Year in descending order

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papers

930  
citations

516710

16  
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454955

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g-index

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all docs

46  
docs citations

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times ranked

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citing authors

#	ARTICLE	IF	CITATIONS
1	Quasi-two-dimensional antiferromagnet on a triangular lattice RbFe(MoO <sub>4</sub> ) <sub>2</sub> . Physical Review B, 2003, 67, .	3.2	110
2	New high magnetic field phase of the frustrated S = 1/2 chain compound LiCuVO <sub>4</sub> . JETP Letters, 2011, 93, 21-25.	1.4	109
3	Anisotropic exchange in LiCuVO <sub>4</sub> probed by ESR. Physical Review B, 2002, 65, .	3.2	98
4	Spin-modulated quasi-one-dimensional antiferromagnet $\text{LiCuVO}_4$ . Physical Review B, 2006, 74, .	3.2	80
5	Search for a spin-Peierls phase in the quasi-one-dimensional frustrated magnet $\text{LiCuVO}_4$ . Physical Review B, 2014, 90, .	3.2	74
6	Magnetic phase diagram, critical behavior, and two-dimensional to three-dimensional crossover in the triangular lattice antiferromagnet RbFe(MoO <sub>4</sub> ) <sub>2</sub> . Physical Review B, 2006, 74, .	3.2	61
7	NMR study of the high-field magnetic phase of $\text{LiCuVO}_4$ . Physical Review B, 2010, 81, .	3.2	33
8	Structural phase transition in the two-dimensional triangular lattice antiferromagnet RbFe(MoO <sub>4</sub> ) <sub>2</sub> . Physical Review B, 2003, 68, .	3.2	31
9	On the possible coexistence of spiral and collinear structures in antiferromagnetic KFe(MoO <sub>4</sub> ) <sub>2</sub> . JETP Letters, 2004, 80, 204-207.	1.4	30
10	High-field NMR of the quasi-one-dimensional antiferromagnet $\text{LiCuVO}_4$ . Physical Review B, 2012, 85, .	3.2	29
11	Magnet LiCu $\text{LiCuVO}_4$ . Physical Review B, 2012, 85, .	3.2	28
12	Chiral and Collinear Ordering in a Distorted Triangular Antiferromagnet. Physical Review Letters, 2009, 102, 037202.	7.8	26
13	Magnetic structure of the quasi-one-dimensional frustrated antiferromagnet $\text{LiCu}_2\text{O}_2$ with Spin S = 1/2. Journal of Experimental and Theoretical Physics, 2009, 108, 1000-1009.	0.9	24
14	Chirality-driven ferroelectricity in $\text{LiCuVO}_4$ . Npj Quantum Materials, 2019, 4, .	5.2	20
15	Magnetic field driven 2D-3D crossover in the S=1/2 frustrated chain magnet $\text{LiCuVO}_4$ . Physical Review B, 2015, 91, .	3.2	18
16	<sup>87</sup> Rb NMR study of the magnetic structure of the quasi-two-dimensional antiferromagnet RbFe(MoO <sub>4</sub> ) <sub>2</sub> on a triangular lattice. JETP Letters, 2005, 81, 102-107.	1.4	17
17	Magnetic phases of the quasi-two-dimensional antiferromagnet $\text{CuCrO}_2$ on a triangular lattice. Physical Review B, 2016, 94, .	3.2	13
18	Detection of UHF sound in the antiferromagnet FeBO <sub>3</sub> by a SQUID magnetometer. Journal of Physics Condensed Matter, 1994, 6, 8051-8063.	1.8	12

#	ARTICLE	IF	CITATIONS
19	Magnetic structure of the frustrated $S=1/2$ chain magnet $\text{LiCu}_2\text{O}_2$ doped with nonmagnetic Zn. <i>Physical Review B</i> , 2013, 88, .	3.2	10
20	Exotic phases of frustrated antiferromagnet $\text{LiCu}_2\text{O}_2$ . <i>Physical Review B</i> , 2018, 97, .	3.2	10
21	ESR of the quasi-two-dimensional antiferromagnet $\text{CuCrO}_2$ with a triangular lattice. <i>Physical Review B</i> , 2013, 88, .	3.2	9
22	Magnetic structure and domain conversion of the quasi-2D frustrated antiferromagnet $\text{CuCrO}_2$ probed by NMR. <i>Journal of Experimental and Theoretical Physics</i> , 2014, 119, 880-890.	0.9	9
23	On the magnetic structure of frustrated antiferromagnets $\text{LiCu}_2\text{O}_2$ and $\text{NaCu}_2\text{O}_2$ . <i>Journal of Physics: Conference Series</i> , 2010, 200, 022062.	0.4	8
24	The effect of nuclear spin waves on the magnetization of $\text{MnCO}_3$ . <i>Journal of Physics Condensed Matter</i> , 1993, 5, 4215-4224.	1.8	6
25	Antiferromagnetic resonance in $\text{Bi}_2\text{CuO}_4$ . <i>Journal of Experimental and Theoretical Physics</i> , 1998, 86, 1228-1233.	0.9	6
26	Spin-wave resonances in antiferromagnets. <i>Low Temperature Physics</i> , 2010, 36, 736-740.	0.6	6
27	Triangular lattice antiferromagnet $\text{RbFe}(\text{MoO}_4)_2$ . <i>Physics-Uspexhi</i> , 2010, 53, 844-848.	2.2	6
28	Anisotropic exchange in $\text{LiCu}_2\text{O}_2$ . <i>Physical Review B</i> , 2017, 95, .	3.2	6
29	Possibility of the field-induced spin-nematic phase in $\text{LiCuVO}_4$ . <i>Journal of Physics: Conference Series</i> , 2011, 320, 012049.	0.4	5
30	Search for a nematic phase in the quasi-two-dimensional antiferromagnet $\text{CuCrO}_2$ by NMR in an electric field. <i>Physical Review B</i> , 2018, 97, .	3.2	5
31	Triangular Antiferromagnet $\text{RbFe}(\text{MoO}_4)_2$ with the Replacement of Nonmagnetic Ions. <i>Journal of Experimental and Theoretical Physics</i> , 2020, 131, 62-70.	0.9	5
32	Coexistence of spiral and commensurate structures in a triangular antiferromagnet $\text{KFe}(\text{MoO}_4)_2$ . <i>Journal of Physics: Conference Series</i> , 2010, 200, 032068.	0.4	3
33	ESR study of the frustrated $S=1/2$ chain magnet $\text{LiCuVO}_4$ in spiral and spin-modulated phases. <i>Physical Review B</i> , 2016, 94, .	3.2	3
34	Electron spin resonance in spiral antiferromagnet linarite: Theory and experiment. <i>Physical Review B</i> , 2019, 100, .	3.2	3
35	High frequency electromagnetic action on dc magnetic moment of $\text{YBaCuO}$ granular superconductor. <i>European Physical Journal D</i> , 1996, 46, 1267-1268.	0.4	2
36	Spin-wave resonances in nonuniformly strained films of $\text{FeBO}_3$ . <i>Journal of Experimental and Theoretical Physics</i> , 1997, 85, 307-312.	0.9	2

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37	Magnetization of FeBO <sub>3</sub> by microwave pumping. Journal of Experimental and Theoretical Physics, 1999, 88, 610-614.	0.9	2
38	Multi-Frequency ESR in the S=1/2 Frustrated Chain Compound LiCuVO <sub>4</sub> . Journal of the Physical Society of Japan, 2012, 81, SB029.	1.6	2
39	Magnetic structure of the triangular antiferromagnet $\text{RbFe}(\text{MoO}_4)_2$ weakly doped with nonmagnetic $\text{K}$ . Physical Review B, 2019, 99, .	3.2	2
40	High-field magnetic structure of the triangular antiferromagnet $\text{RbFe}(\text{MoO}_4)_2$ . Physical Review B, 2022, 105, .	3.2	2
41	New low-frequency magnetic excitations in LaMnO <sub>3</sub> single crystals. Journal of Experimental and Theoretical Physics, 2000, 90, 474-478.	0.9	1
42	Multiferroicity of $\text{CuCrO}_2$ tested by electron spin resonance. Physical Review B, 2018, 97, .	3.2	1
43	Effect of 'hardness' at the parametric excitation of spin-waves in antiferromagnetic MnCO <sub>3</sub> . Journal of Physics Condensed Matter, 1991, 3, 5751-5760.	1.8	0
44	Observation of the 'size effect' at the linear excitation of spin-waves in antiferromagnetic MnCO <sub>3</sub> . Journal of Physics Condensed Matter, 1991, 3, 9253-9256.	1.8	0
45	Dynamics of multiferroic $\text{LiCuSO}_4$ influenced by electric field. Physical Review B, 2021, 104, .	3.2	0