Mirta Herak

List of Publications by Year
in descending order

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24	323	933447	839539
papers	citations	10	18
		h-index	g-index

26	26	26	557
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Symmetry Reduction in the Quantum Kagome Antiferromagnet Herbertsmithite. Physical Review Letters, 2017, 118, 017202.	7.8	42
2	Novel spin lattice in Cu3TeO6: an antiferromagnetic order and domain dynamics. Journal of Physics Condensed Matter, 2005, 17, 7667-7679.	1.8	35
3	Crystal structure and magnetic properties of Co2TeO3Cl2 and Co2TeO3Br2. Journal of Solid State Chemistry, 2006, 179, 836-842.	2.9	33
4	Symmetric and antisymmetric exchange anisotropies in quasi-one-dimensional CuSe<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mrow /><mml:mn>2</mml:mn></mml:msub></mml:math>O<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mrow /><mml:mn>5</mml:mn></mml:msub></mml:math> as revealed by ESR. Physical Review B, 2011, 84, .	3.2	31
5	CuSe<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mrow /><mml:mn>2</mml:mn></mml:msub></mml:math>O<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mrow /><mml:mn>5</mml:mn></mml:msub></mml:math> with staggered fields. Physical Review B, 2013, 87, .	3.2	21
6	Impact of dehydration and mechanical amorphization on the magnetic properties of Ni(<scp>ii</scp>)-MOF-74. Journal of Materials Chemistry C, 2020, 8, 7132-7142.	5.5	21
7	Cubic magnetic anisotropy of the antiferromagnetically ordered Cu3TeO6. Solid State Communications, 2011, 151, 1588-1592.	1.9	19
8	Easy plane anisotropy in Bi₂CuO₄. Journal of Physics Condensed Matter, 2010, 22, 026006.	1.8	17
9	Site-selective quantum correlations revealed by magnetic anisotropy in the tetramer system SeCuO3. Physical Review B, 2012, 86, .	3.2	17
10	Crystal structure and magnetic properties of Co7(TeO3)4Br6â€”a new cobalt tellurite bromide. Solid State Sciences, 2006, 8, 836-842.	3.2	13
11	Anisotropic spin-Peierls state in the inorganic compound CuGeO 3. Europhysics Letters, 2005, 70, 369-375.	2.0	10
12	Transport and magnetic properties ofBaVSe3. Physical Review B, 2008, 78, .	3.2	10
13	Exchange anisotropy as mechanism for spin-stripe formation in frustrated spin chains. Physical Review B, 2016, 94, .	3.2	9
14	Strong decoupling between magnetic subsystems in the low-dimensional spin- <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mfrac><mml:mn>1</mml:mn><mml:mn>2</mml:mn></mml:mfrac></mml antiferromagnet <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:msub><mml:mi>SeCuO</mml:mi><mml:mn>3</mml:mn></mml:msub></ Physical Review B, 2019, 99, .	3.2	8
15	Magnetic anisotropy of the spin tetramer system<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:msub><mml:mtext>SeCuO</mml:mtext><mml:mn>3</mml:mn></mml:msub></mml:math> by torque magnetometry and ESR spectroscopy. Physical Review B, 2014, 89, .	3.2	7
16	Torque magnetometry study of magnetically ordered state and spin reorientation in the quasi-one-dimensional<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:mi>S</mml:mi><mml:mo>=</mml:mo><mml:mfrac><mml:m antiferromagnet<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:msub><mml:mtext>CuSb</mml:mtext><mml:mn>2</mml:mn></mml:m Physical Review B, 2015, 91, .	3.2	7
17	Magnetostructural Characterization of Oxalamide Dihaloâ€Bridged Copper Dimers: Intraâ€and Interdimer Interactions Studied by Singleâ€Crystal Electron Spin Resonance Spectroscopy. ChemPhysChem, 2017, 18, 2397-2408.	2.1	6
18	A new modification of nickel selenite NiSeO3â€”crystal structure and magnetic properties. Journal of Physics Condensed Matter, 2007, 19, 196203.	1.8	4

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19	Magnetic Anisotropy of Paramagnetic and Ferromagnetically Ordered State of Single Crystal BaVSe₃. Journal of the Physical Society of Japan, 2008, 77, 093701.	1.6	4
20	The magnetic state of the low dimensional CuTe2O5compound below 20 K. Journal of Physics Condensed Matter, 2008, 20, 505210.	1.8	4
21	Magnetic ordering of the distorted kagome antiferromagnet Y3Cu9(OH)18[Cl8 (OH)] prepared via optimal synthesis. Physical Review Materials, 2021, 5, .	2.4	2
22	Control of a polar order via magnetic field in a vector-chiral magnet. Physical Review B, 2021, 104, .	3.2	2
23	Magnetic field induced reorientation in the spin density wave and the spin stripe phases of the frustrated spin- <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mfrac><mml:mn>1</mml:mn><mml:mn>2</mml:mn></mml:mfrac></mml chain compound <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:mi>Î²</mml:mi><mml:mtext>â^'</mml:mtext><mml:msub> Physical Review B, 2020, 102, .	3.2	1
24	HalogenâEBonded Coâ€Crystals Containing Monoâ€•and Dinuclear Metalâ€Organic Units: Threeâ€Component Oneâ€Pot Mechanosynthesis, Structural Analysis and Magnetic Properties. Chemistry Methods, 0, , .	3.8	0