

# Elena Gati

## List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Hydrostatic pressure effect on the Co-based honeycomb magnet <math xmlns:mml="http://www.w3.org/1998/Math/MathML"><math>\text{BaCo}_2</math></math> Physical Review B, 2022, 105, .		
2	Superconductivity and phase diagrams of <math xmlns:mml="http://www.w3.org/1998/Math/MathML"><math>\text{CaK}</math></math> Physical Review B, 2022, 105, .		
3	Avoided ferromagnetic quantum critical point in pressurized <math xmlns:mml="http://www.w3.org/1998/Math/MathML"><math>\text{La}</math></math> Physical Review B, 2021, 103, .		
4	Formation of short-range magnetic order and avoided ferromagnetic quantum criticality in pressurized <math xmlns:mml="http://www.w3.org/1998/Math/MathML"><math>\text{LaCrGe}</math></math> Physical Review B, 2021, 103, .	3.2	21
5	Avoided ferromagnetic quantum criticality in pressurized <math xmlns:mml="http://www.w3.org/1998/Math/MathML"><math>\text{LaCrGe}</math></math> under pressure studied by <math xmlns:mml="http://www.w3.org/1998/Math/MathML"><math>\text{La}</math></math> Magnetic order in the van der Waals antiferromagnet <math xmlns:mml="http://www.w3.org/1998/Math/MathML"><math>\text{CrPS}</math></math> : Anisotropic <math xmlns:mml="http://www.w3.org/1998/Math/MathML"><math>\text{H}</math></math> phase diagrams and effects of pressure. Physical Review B, 2021, 103, .	3.2	8
6	Spin Vortex Crystal Order in Organic Triangular Lattice Compound. Physical Review Letters, 2021, 127, 147204.	7.8	3
8	Pressure-induced ferromagnetism in the topological semimetal <math xmlns:mml="http://www.w3.org/1998/Math/MathML"><math>\text{Eu}</math></math> Physical Review B, 2021, 104, .		
9	Hydrostatic and Uniaxial Pressure Tuning of Iron-Based Superconductors: Insights into Superconductivity, Magnetism, Nematicity, and Collapsed Tetragonal Transitions. Annalen Der Physik, 2020, 532, 2000248.	2.4	18
10	Characterization of the pressure coefficient of manganin and temperature evolution of pressure in piston-cylinder cells. Review of Scientific Instruments, 2020, 91, 095103.	1.3	7
11	Measurements of elasto-resistance under pressure by combining in-situ tunable quasi-uniaxial stress with hydrostatic pressure. Review of Scientific Instruments, 2020, 91, 023904.	1.3	3
12	Impurity moments conceal low-energy relaxation of quantum spin liquids. Physical Review B, 2020, 101, .	3.2	19
13	Role of the Fermi surface for the pressure-tuned nematic transition in the <math xmlns:mml="http://www.w3.org/1998/Math/MathML"><math>\text{BaFe}_2</math></math> family. Physical Review B, 2019, 100, .		
14	Lattice Dynamics Coupled to Charge and Spin Degrees of Freedom in the Molecular Dimer-Mott Insulator <math xmlns:mml="http://www.w3.org/1998/Math/MathML"><math>\text{BEDT}</math></math> stretchy="false"></math> <math xmlns:mml="http://www.w3.org/1998/Math/MathML"><math>\text{TTF}</math></math> Bulk Superconductivity and Role of Fluctuations in the Iron-Based Superconductor FeSe at High Pressures. Physical Review Letters, 2019, 123, 167002.	7.8	11
15	Multiple ferromagnetic transitions and structural distortion in the van der Waals ferromagnet <math xmlns:mml="http://www.w3.org/1998/Math/MathML"><math>\text{VI}_3</math></math> ambient and finite pressures. Physical Review B, 2019, 100, .	7.8	19
16	Magneto-Structural Properties of the Layered Quasi-2D Triangular-Lattice Antiferromagnets Cs <sub>2</sub> CuCl <sub>4</sub> x Br x for x = 0, 1, 2, and 4. Physica Status Solidi (B): Basic Research, 2019, 256, 1900044.	1.5	4
17	Use of Cernox thermometers in AC specific heat measurements under pressure. Review of Scientific Instruments, 2019, 90, 023911.	1.3	17

#	ARTICLE	IF	CITATIONS
19	Thermal Expansion Studies on the Spin-Liquid Candidate System $\hat{\Gamma}^a$ -(BEDT-TTF) <sub>2</sub> Ag <sub>2</sub> (CN) <sub>3</sub> . Physica Status Solidi (B): Basic Research, 2019, 256, 1800640.	1.5	5
20	Effect of pressure on the physical properties of the superconductor NiBi <sub>3</sub> . Journal of Physics Condensed Matter, 2019, 31, 035701.	1.8	9
21	Physical properties of $\kappa$ -(BEDT-TTF) <sub>2</sub> Ag <sub>2</sub> (CN) <sub>3</sub> under pressure. Physical Review Materials, 2019, 3, .	2.4	1
22	Pressure-induced multiple phase transformations of the BaBi <sub>3</sub> superconductor. Physical Review B, 2018, 98, .	3.2	8
23	Effects of Disorder on the Pressure-Induced Mott Transition in $\hat{\Gamma}^a$ -(BEDT-TTF) <sub>2</sub> Cu[N(CN) <sub>2</sub> ]Cl. Crystals, 2018, 8, 38.	2.2	13
24	Low-Temperature Lattice Effects in the Spin-Liquid Candidate $\hat{\Gamma}^a$ -(BEDT-TTF) <sub>2</sub> Cu <sub>2</sub> (CN) <sub>3</sub> . Crystals, 2018, 8, 87.	2.2	12
25	Evidence for Electronically Driven Ferroelectricity in a Strongly Correlated Dimerized BEDT-TTF Molecular Conductor. Physical Review Letters, 2018, 120, 247601.	7.8	30
26	Combined experimental and theoretical studies of pressure effects in La <sub>2</sub> Sb. Physica Status Solidi (B): Basic Research, 2017, 254, 1600168.	1.5	2
27	Breakdown of Hooke's law of elasticity at the Mott critical endpoint in an organic conductor. Science Advances, 2016, 2, e1601646.	10.3	41
28	Combined effects of Sr substitution and pressure on the ground states in CaFe <sub>2</sub> As <sub>2</sub> . Physical Review B, 2016, 94, .	3.2	5
29	Multiferroicity in the Mott Insulating Charge-Transfer Salt $\kappa$ -(BEDT-TTF) <sub>2</sub> Cu[N(CN) <sub>2</sub> ]Cl Hydrostatic pressure tuning of magnetic, nonmagnetic and superconducting states in annealed Ca(Fe <sub>1-x</sub> Ti <sub>x</sub> ) <sub>2</sub> As <sub>2</sub> . Physical Review B, 2014, 90, 074407.	2.1	12
30		3.2	44
31	Synthesis, Crystal Structure, Transport, and Magnetic Properties of Novel Ternary Copper Phosphides, A <sub>2</sub> Cu <sub>6</sub> P <sub>5</sub> (A = Sr, Eu) and EuCu <sub>4</sub> P <sub>3</sub> . Inorganic Chemistry, 2012, 51, 8948-8955.	4.0	14