

# Elena Gati

## List of Publications by Year in descending order

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31  
papers

411  
citations

759233

12  
h-index

752698

20  
g-index

32  
all docs

32  
docs citations

32  
times ranked

627  
citing authors

#	ARTICLE	IF	CITATIONS
1	Pressure-tuning of magnetic, nonmagnetic, and superconducting states in annealed $\text{Ca}(\text{Fe}_{1-x}\text{Co}_x)_2\text{P}_2$ . <i>Physical Review B</i> , 2019, 100, 020407.	3.2	44
2	Breakdown of Hooke's law of elasticity at the Mott critical endpoint in an organic conductor. <i>Science Advances</i> , 2016, 2, e1601646.	10.3	41
3	Multiple ferromagnetic transitions and structural distortion in the van der Waals ferromagnet $\text{VCl}_3$ at ambient and finite pressures. <i>Physical Review B</i> , 2019, 100, 020407.	3.2	33
4	Evidence for Electronically Driven Ferroelectricity in a Strongly Correlated Dimerized BEDT-TTF Molecular Conductor. <i>Physical Review Letters</i> , 2018, 120, 247601.	7.8	30
5	Pressure-induced ferromagnetism in the topological semimetal $\text{EuCd}_2\text{As}_2$ . <i>Physical Review B</i> , 2021, 104, 080401.	3.2	21
6	Formation of short-range magnetic order and avoided ferromagnetic quantum criticality in pressurized $\text{LaCrGe}_3$ . <i>Physical Review B</i> , 2021, 103, 020407.	3.2	21
7	Bulk Superconductivity and Role of Fluctuations in the Iron-Based Superconductor $\text{FeSe}$ at High Pressures. <i>Physical Review Letters</i> , 2019, 123, 167002.	7.8	19
8	Impurity moments conceal low-energy relaxation of quantum spin liquids. <i>Physical Review B</i> , 2020, 101, 020407.	3.2	19
9	Hydrostatic and Uniaxial Pressure Tuning of Iron-Based Superconductors: Insights into Superconductivity, Magnetism, Nematicity, and Collapsed Tetragonal Transitions. <i>Annalen Der Physik</i> , 2020, 532, 2000248.	2.4	18
10	Use of Cernox thermometers in AC specific heat measurements under pressure. <i>Review of Scientific Instruments</i> , 2019, 90, 023911.	1.3	17
11	Synthesis, Crystal Structure, Transport, and Magnetic Properties of Novel Ternary Copper Phosphides, $\text{A}_{2-x}\text{Cu}_6\text{P}_5$ (A = Sr, Eu) and $\text{EuCu}_4\text{P}_3$ . <i>Inorganic Chemistry</i> , 2012, 51, 8948-8955.	4.0	14
12	Effects of Disorder on the Pressure-Induced Mott Transition in $\hat{\text{I}}^{\text{a}}\text{-(BEDT-TTF)}_2\text{Cu}[\text{N}(\text{CN})_2\text{Cl}]$ . <i>Crystals</i> , 2018, 8, 38.	2.2	13
13	Multiferroicity in the Mott Insulating Charge-Transfer Salt $\kappa\text{-(BEDT-TTF)}_2\text{Cu}[\text{N}(\text{CN})_2\text{Cl}]$ . <i>IEEE Transactions on Magnetics</i> , 2014, 50, 1-7.	2.1	12
14	Low-Temperature Lattice Effects in the Spin-Liquid Candidate $\hat{\text{I}}^{\text{a}}\text{-(BEDT-TTF)}_2\text{Cu}_2(\text{CN})_3$ . <i>Crystals</i> , 2018, 8, 87.	2.2	12
15	Lattice Dynamics Coupled to Charge and Spin Degrees of Freedom in the Molecular Dimer-Mott Insulator $\hat{\text{I}}^{\text{a}}\text{-(BEDT-TTF)}_2\text{Cu}[\text{N}(\text{CN})_2\text{Cl}]$ . <i>Physical Review Letters</i> , 2019, 123, 027601.	7.8	11
16	Effect of pressure on the physical properties of the superconductor $\text{NiBi}_3$ . <i>Journal of Physics Condensed Matter</i> , 2019, 31, 035701.	1.8	9
17	Avoided ferromagnetic quantum critical point in pressurized $\text{La}_{1-x}\text{Ce}_x\text{P}_5$ . <i>Physical Review B</i> , 2021, 103, 020407.	3.2	9
18	Pressure-induced multiple phase transformations of the $\text{BaBi}_3$ superconductor. <i>Physical Review B</i> , 2018, 98, 020407.	3.2	8

#	ARTICLE	IF	CITATIONS
19	Magnetic properties of the itinerant ferromagnet $\text{LaCrGe}$ under pressure studied by $^{51}\text{V}$ NMR. Physical Review B, 2021, 103, .	3.2	8
20	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
21	Magnetic order in the van der Waals antiferromagnet $\text{CrPS}_4$ : Anisotropic phase diagrams and effects of pressure. Physical Review B, 2021, 103, .	3.2	7
22	Role of the Fermi surface for the pressure-tuned nematic transition in the $\text{BaFe}_2\text{As}_2$ family. Physical Review B, 2019, 100, .	3.2	6
23	Superconductivity and phase diagrams of $\text{CaK}(\text{MoO}_4)_2$ . Physical Review B, 2022, 105, .	3.2	0
24	Combined effects of Sr substitution and pressure on the ground states in $\text{CaFe}_2\text{As}_2$ . Physical Review B, 2016, 94, .	3.2	5
25	Thermal Expansion Studies on the Spin-Liquid Candidate System $\text{Ag}_2(\text{BEDT})\text{Ag}_3(\text{CN})_3$ . Physica Status Solidi (B): Basic Research, 2019, 256, 1800640.	1.5	5
26	Magnetostructural Properties of the Layered Quasi-2D Triangular Lattice Antiferromagnets $\text{Cs}_2\text{CuCl}_4$ for $x = 0, 1, 2, \text{ and } 4$ . Physica Status Solidi (B): Basic Research, 2019, 256, 1900044.	1.5	4
27	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
28	Spin Vortex Crystal Order in Organic Triangular Lattice Compound. Physical Review Letters, 2021, 127, 147204.	7.8	3
29	Combined experimental and theoretical studies of pressure effects in $\text{La}_2\text{Sb}$ . Physica Status Solidi (B): Basic Research, 2017, 254, 1600168.	1.5	2
30	Hydrostatic pressure effect on the Co-based honeycomb magnet $\text{BaCo}_2\text{As}_2$ . Physical Review B, 2022, 105, .	3.2	2
31	Physical properties of $\text{R}_2\text{BiR}_2$ under pressure. Physical Review Materials, 2019, 3, .	2.4	1