

# Daniel Silevitch

## List of Publications by Year in descending order

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Version: 2024-02-01

35  
papers

756  
citations

567281

15  
h-index

501196

28  
g-index

35  
all docs

35  
docs citations

35  
times ranked

1188  
citing authors

#	ARTICLE	IF	CITATIONS
1	Origins of bad-metal conductivity and the insulator-metal transition in the rare-earth nickelates. Nature Physics, 2014, 10, 304-307.	16.7	143
2	A ferromagnet in a continuously tunable random field. Nature, 2007, 448, 567-570.	27.8	63
3	Quantum and Classical Glass Transitions in $\text{LiHo}_x\text{F}_{4-x}$ . Physical Review Letters, 2007, 99, 077202.	7.8	63
4	Hall effect measurements on epitaxial $\text{SmNiO}_3$ thin films and implications for antiferromagnetism. Physical Review B, 2013, 87, .	3.2	55
5	Charge transfer and multiple density waves in the rare earth tellurides. Physical Review B, 2013, 87, .	3.2	46
6	Crystallization of spin superlattices with pressure and field in the layered magnet $\text{SrCu}_2(\text{BO}_3)_2$ . Nature Communications, 2016, 7, 11956.	12.8	40
7	Linear magnetoresistance in the low-field limit in density-wave materials. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 11201-11206.	7.1	34
8	Itinerant density wave instabilities at classical and quantum critical points. Nature Physics, 2015, 11, 865-871.	16.7	31
9	Incommensurate antiferromagnetism in a pure spin system via cooperative organization of local and itinerant moments. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, 3287-3292.	7.1	29
10	Switchable hardening of a ferromagnet at fixed temperature. Proceedings of the National Academy of Sciences of the United States of America, 2010, 107, 2797-2800.	7.1	23
11	Emergence of long-range order in sheets of magnetic dimers. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, 14372-14377.	7.1	23
12	Bosonic topological insulator intermediate state in the superconductor-insulator transition. Physics Letters, Section A: General, Atomic and Solid State Physics, 2020, 384, 126570.	2.1	23
13	Discovery of quantum phases in the Shastry-Sutherland compound $\text{SrCu}_2(\text{BO}_3)_2$ under extreme conditions of field and pressure. Nature Communications, 2022, 13, 2301.	12.8	23
14	Using thermal boundary conditions to engineer the quantum state of a bulk magnet. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, 3689-3694.	7.1	22
15	Antisymmetric linear magnetoresistance and the planar Hall effect. Nature Communications, 2020, 11, 216.	12.8	21
16	A compact bellows-driven diamond anvil cell for high-pressure, low-temperature magnetic measurements. Review of Scientific Instruments, 2014, 85, 033901.	1.3	15
17	Discovery of highly polarizable semiconductors $\text{BaZrS}_3$ and $\text{Ba}_3\text{Zr}_2\text{S}_7$ . Physical Review Materials, 2020, 4, .	2.4	15
18	Tuning high-Q nonlinear dynamics in a disordered quantum magnet. Nature Communications, 2019, 10, 4001.	12.8	13

