

# Fanny Rodolakis

## List of Publications by Year in descending order

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27  
papers

736  
citations

623734

14  
h-index

552781

26  
g-index

27  
all docs

27  
docs citations

27  
times ranked

1358  
citing authors

#	ARTICLE	IF	CITATIONS
1	A microscopic view on the Mott transition in chromium-doped V2O3. Nature Communications, 2010, 1, 105.	12.8	129
2	High mobility in a van der Waals layered antiferromagnetic metal. Science Advances, 2020, 6, eaay6407.	10.3	85
3	Carrier localization in perovskite nickelates from oxygen vacancies. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 21992-21997.	7.1	71
4	Inequivalent Routes across the Mott Transition in $V_2O_3$ Explored by X-Ray Quasiparticles at the Mott Transition. Physical Review Letters, 2009, 102, 066805.	7.8	66
5	Quasiparticles at the Mott Transition. Physical Review Letters, 2009, 102, 066805.	7.8	55
6	Surface Floating 2D Bands in Layered Nonsymmorphic Semimetals: ZrSiS and Related Compounds. Physical Review X, 2017, 7, .	8.9	48
7	How Bulk Sensitive is Hard X-ray Photoelectron Spectroscopy: Accounting for the Cathode Electrolyte Interface when Addressing Oxygen Redox. Journal of Physical Chemistry Letters, 2020, 11, 2106-2112.	4.6	36
8	Band Engineering of Dirac Semimetals Using Charge Density Waves. Advanced Materials, 2021, 33, e2101591.	21.0	32
9	In Vivo Glutamate Sensing inside the Mouse Brain with Perovskite Nickelate Nafion Heterostructures. ACS Applied Materials & Interfaces, 2020, 12, 24564-24574.	8.0	27
10	Evolution of the electronic structure of a Mott system across its phase diagram: X-ray absorption spectroscopy study of $V_2O_3$ . Physical Review Letters, 2009, 102, 066805.	3.2	22
11	Evidence of a second-order Peierls-driven metal-insulator transition in crystalline NbO2. Physical Review Materials, 2019, 3, .	2.4	18
12	The effect of spin-orbit coupling on nonsymmorphic square-net compounds. Journal of Physics and Chemistry of Solids, 2019, 128, 296-300.	4.0	16
13	Cooperative effects of strain and electron correlation in epitaxial VO2 and NbO2. Journal of Applied Physics, 2019, 125, 082539.	2.5	15
14	High electrical conductivity in the epitaxial polar metals LaAuGe and LaPtSb. APL Materials, 2019, 7, .	5.1	15
15	Electronic structure of superconducting nickelates probed by resonant photoemission spectroscopy. Matter, 2022, 5, 1806-1815.	10.0	15
16	Atomic and itinerant effects at the transition-metal x-ray absorption pre-edge exemplified in the case of $V_2O_3$ . Physical Review Letters, 2009, 102, 066805.	3.2	13
17	Direct observation of delithiation as the origin of analog memristance in $Li_xNbO_2$ . APL Materials, 2019, 7, .	5.1	13
18	Low-energy excitations in strongly correlated materials: A theoretical and experimental study of the dynamic structure factor in V2O3. Physical Review B, 2012, 86, .	3.2	12

#	ARTICLE	IF	CITATIONS
19	Phase Behavior of Mixed Polymer Brushes Grown from Ultrathin Coatings. ACS Macro Letters, 2019, 8, 1086-1090.	4.8	12
20	Extraordinary anisotropic magnetoresistance in $\text{CaMnO}_3$ heterostructures. Physical Review B, 2022, 105, .	12.8	6
21	Electronic correlations in the semiconducting half-Heusler compound FeVSb. Physical Review B, 2021, 103, .	3.2	7
22	Chiral structures of electric polarization vectors quantified by X-ray resonant scattering. Nature Communications, 2022, 13, 1769.	12.8	6
23	Electronically enhanced layer buckling and Au-Au dimerization in epitaxial LaAuSb films. Physical Review Materials, 2019, 3, .	2.4	5
24	Structural and electronic properties of the first iridium containing mixed B-site spinel oxide: $\text{Cu}_4\text{O}$ . Physical Review Materials, 2021, 5, .	2.4	5
25	Electronic correlations in $\text{V}_2\text{O}_3$ studied with K-edge X-ray absorption spectroscopy. Journal of Physics: Conference Series, 2009, 190, 012092.	0.4	2
26	Determining the Oxygen Stoichiometry of Cobaltite Thin Films. Chemistry of Materials, 2022, 34, 2076-2084.	6.7	2
27	Search for $Q = \frac{1}{4} 0$ Order near a Forbidden Bragg Position in $\text{Bi}_{2.1}\text{Sr}_{1.9}\text{CaCu}_2\text{O}_{8+x}$ with Resonant Soft X-ray Scattering. Journal of the Physical Society of Japan, 2021, 90, 111007.	1.6	0