

# 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	Extraordinary anisotropic magnetoresistance in $\text{CaMnO}_3$ heterostructures. <i>Physical Review B</i> , 2022, 105, .		
2	Electronic structure of superconducting nickelates probed by resonant photoemission spectroscopy. <i>Matter</i> , 2022, 5, 1806-1815.	10.0	15
3	Determining the Oxygen Stoichiometry of Cobaltite Thin Films. <i>Chemistry of Materials</i> , 2022, 34, 2076-2084.	6.7	2
4	Chiral structures of electric polarization vectors quantified by X-ray resonant scattering. <i>Nature Communications</i> , 2022, 13, 1769.	12.8	6
5	Band Engineering of Dirac Semimetals Using Charge Density Waves. <i>Advanced Materials</i> , 2021, 33, e2101591.	21.0	32
6	Structural and electronic properties of the first iridium containing mixed B-site spinel oxide: $\text{Cu}_2\text{O}_4$ . <i>Physical Review Materials</i> , 2021, 5, .	2.4	10
7	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. <i>Journal of the Physical Society of Japan</i> , 2021, 90, 111007.	1.6	0
8	Electronic correlations in the semiconducting half-Heusler compound $\text{FeVSb}$ . <i>Physical Review B</i> , 2021, 103, .	3.2	7
9	<i>In Vivo</i> Glutamate Sensing inside the Mouse Brain with Perovskite Nickelate "Nafion Heterostructures. <i>ACS Applied Materials &amp; Interfaces</i> , 2020, 12, 24564-24574.	8.0	27
10	High mobility in a van der Waals layered antiferromagnetic metal. <i>Science Advances</i> , 2020, 6, eaay6407.	10.3	85
11	How Bulk Sensitive is Hard X-ray Photoelectron Spectroscopy: Accounting for the Cathode "Electrolyte Interface when Addressing Oxygen Redox. <i>Journal of Physical Chemistry Letters</i> , 2020, 11, 2106-2112.	4.6	36
12	Phase Behavior of Mixed Polymer Brushes Grown from Ultrathin Coatings. <i>ACS Macro Letters</i> , 2019, 8, 1086-1090.	4.8	12
13	Direct observation of delithiation as the origin of analog memristance in $\text{Li}_x\text{NbO}_2$ . <i>APL Materials</i> , 2019, 7, .	5.1	13
14	Carrier localization in perovskite nickelates from oxygen vacancies. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019, 116, 21992-21997.	7.1	71
15	Cooperative effects of strain and electron correlation in epitaxial $\text{VO}_2$ and $\text{NbO}_2$ . <i>Journal of Applied Physics</i> , 2019, 125, 082539.	2.5	15
16	High electrical conductivity in the epitaxial polar metals $\text{LaAuGe}$ and $\text{LaPtSb}$ . <i>APL Materials</i> , 2019, 7, .	5.1	15
17	The effect of spin-orbit coupling on nonsymmorphic square-net compounds. <i>Journal of Physics and Chemistry of Solids</i> , 2019, 128, 296-300.	4.0	16
18	Electronically enhanced layer buckling and Au-Au dimerization in epitaxial $\text{LaAuSb}$ films. <i>Physical Review Materials</i> , 2019, 3, .	2.4	5

#	ARTICLE	IF	CITATIONS
19	Evidence of a second-order Peierls-driven metal-insulator transition in crystalline NbO <sub>2</sub> . Physical Review Materials, 2019, 3, .	2.4	18
20	Surface Floating 2D Bands in Layered Nonsymmorphic Semimetals: ZrSiS and Related Compounds. Physical Review X, 2017, 7, .	8.9	48
21	Evolution of the electronic structure of a Mott system across its phase diagram: X-ray absorption spectroscopy study of (V <sub>1-x</sub> K <sub>x</sub> ) <sub>2</sub> O. Physical Review B, 2012, 86, .	3.2	13
22	Low-energy excitations in strongly correlated materials: A theoretical and experimental study of the dynamic structure factor in V <sub>2</sub> O <sub>3</sub> . Physical Review B, 2012, 86, .	3.2	12
23	Evolution of the electronic structure of a Mott system across its phase diagram: X-ray absorption spectroscopy study of (V <sub>1-x</sub> K <sub>x</sub> ) <sub>2</sub> O. Physical Review B, 2012, 86, .	3.2	22
24	A microscopic view on the Mott transition in chromium-doped V <sub>2</sub> O <sub>3</sub> . Nature Communications, 2010, 1, 105.	12.8	129
25	Inequivalent Routes across the Mott Transition in (V <sub>1-x</sub> O <sub>x</sub> ) <sub>2</sub> O Explored by X-Ray Quasiparticles at the Mott Transition in (V <sub>1-x</sub> O <sub>x</sub> ) <sub>2</sub> O. Physical Review Letters, 2009, 102, 066805.	7.8	66
26	Quasiparticles at the Mott Transition in (V <sub>1-x</sub> O <sub>x</sub> ) <sub>2</sub> O: Wave Vector Dependence and Surface Attenuation. Physical Review Letters, 2009, 102, 066805.	7.8	55
27	Electronic correlations in (V <sub>2</sub> O <sub>3</sub> ) <sub>2</sub> studied with K-edge X-ray absorption spectroscopy. Journal of Physics: Conference Series, 2009, 190, 012092.	0.4	2