Michele Riva

List of Publications by Year
in descending order

39 papers	629 citations	623734 14 h-index	610901 24 g-index
39 all docs	39 docs citations	39 times ranked	911 citing authors

#	Article	IF	Citations
1	Reconstruction changes drive surface diffusion and determine the flatness of oxide surfaces. Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films, 2022, 40, .	2.1	2
2	Single Rh Adatoms Stabilized on Î±-Fe₂O₃(11Ì…02) by Coadsorbed Water. ACS Energy Letters, 2022, 7, 375-380.	17.4	13
3	Surface Reduction State Determines Stabilization and Incorporation of Rh on Î±â€Fe₂O₃(11Â¯02). Advanced Materials Interfaces, 2021, 8, 2001908.	3.7	9
4	Single Atom Catalysts: Surface Reduction State Determines Stabilization and Incorporation of Rh on Î±â€Fe₂O₃(11Â¯02) (Adv. Mater. Interfaces 8/2021). Advanced Materials Interfaces, 2021, 8, 2170045.	3.7	0
5	Quest for a pristine unreconstructed <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:msub><mml:mi>SrTiO</mml:mi><mml:mn>3</mml:mn></ surface: An atomically resolved study via noncontact atomic force microscopy. Physical Review B, 2021, 103, .	3.2	14
6	Two-dimensional surface phase diagram of a multicomponent perovskite oxide: <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:msub><mml:mi>La</mml:mi><mml:mrow><mml:mn>0.8</mml:mn></m Physical Review Materials, 2021, 5, .	2.4	7
7	Ni-modified Fe3O4(001) surface as a simple model system for understanding the oxygen evolution reaction. Electrochimica Acta, 2021, 389, 138638.	5.2	16
8	<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:msub><mml:mrow><mml:mi>IrO</mml:mi></mml:mrow><mml:mrow><mml:mn>2</mml:mn></mr Surface Complexions Identified through Machine Learning and Surface Investigations. Physical Review Letters, 2020, 125, 206101.	7.8	32
9	Atomically resolved surface phases of La_{0.8}Sr_{0.2}MnO₃(110) thin films. Journal of Materials Chemistry A, 2020, 8, 22947-22961.	10.3	12
10	Movable holder for a quartz crystal microbalance for exact growth rates in pulsed laser deposition. Review of Scientific Instruments, 2020, 91, 065003.	1.3	4
11	A Model System for Photocatalysis: Ti-Doped Î±-Fe₂O₃(11Ì…02) Single-Crystalline Films. Chemistry of Materials, 2020, 32, 3753-3764.	6.7	12
12	Stability and Catalytic Performance of Reconstructed Fe₃O₄(001) and Fe₃O₄(110) Surfaces during Oxygen Evolution Reaction. Journal of Physical Chemistry C, 2019, 123, 8304-8311.	3.1	30
13	Pushing the detection of cation nonstoichiometry to the limit. Physical Review Materials, 2019, 3, .	2.4	13
14	Growth of <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:msub><mml:mi>In</mml:mi><mml:mn>2</mml:mn></mml:m mathvariant="normal">O</mml:mi><mml:mn>3</mml:mn></mml:msub></mml:mrow></mml:math> (111) thin films with optimized surfaces. Physical Review Materials, 2019, 3, .	2.4	12
15	Epitaxial growth of complex oxide films: Role of surface reconstructions. Physical Review Research, 2019, 1, .	3.6	9
16	The surface phase diagram of La0.8Sr0.2MnO3 in STM. Acta Crystallographica Section A: Foundations and Advances, 2019, 75, e330-e330.	0.1	0
17	Influence of surface atomic structure demonstrated on oxygen incorporation mechanism at a model perovskite oxide. Nature Communications, 2018, 9, 3710.	12.8	54
18	Magnetic anisotropy at the buried CoO/Fe interface. Applied Physics Letters, 2016, 109, .	3.3	9

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19	Atomic Scale Insights into the Early Stages of Metal Oxidation: A Scanning Tunneling Microscopy and Spectroscopy Study of Cobalt Oxidation. Journal of Physical Chemistry C, 2016, 120, 5233-5241.	3.1	14
20	Fe3O4(110)â€“(1 Ã— 3) revisited: Periodic (111) nanofacets. Surface Science, 2016, 649, L120-L123.	1.9	11
21	Controlling the Electronic and Structural Coupling of C₆₀ Nano Films on Fe(001) through Oxygen Adsorption at the Interface. ACS Applied Materials & Interfaces, 2016, 8, 26418-26424.	8.0	23
22	Adjusting island density and morphology of the SrTiO3(110)-(4 Ã— 1) surface: Pulsed laser deposition combined with scanning tunneling microscopy. Surface Science, 2016, 651, 76-83.	1.9	23
23	Self-organized nano-structuring of CoO islands on Fe(001). Applied Surface Science, 2016, 362, 374-379.	6.1	12
24	Reactive metalâ€“oxide interfaces: A microscopic view. Surface Science Reports, 2016, 71, 32-76.	7.2	80
25	Mesoscopic organization of cobalt thin films on clean and oxygen-saturated Fe(001) surfaces. Physical Review B, 2015, 92, .	3.2	16
26	2D-3D Phase Transition in Ultra-thin H2TPP Films Induced by Deposition of Iron Atoms. Materials Today: Proceedings, 2015, 2, 4239-4246.	1.8	1
27	Nickel-Oxide-Modified SrTiO₃(110)-(4 Ã— 1) Surfaces and Their Interaction with Water. Journal of Physical Chemistry C, 2015, 119, 20481-20487.	3.1	13
28	Electron spectroscopy investigation of the oxidation of ultra-thin films of Ni and Cr on Fe(0â€‰0â€‰1). Journal of Physics Condensed Matter, 2014, 26, 445001.	1.8	14
29	Organic Electronics: Stable Alignment of Tautomers at Room Temperature in Porphyrin 2D Layers (Adv.) Tj ETQq1 1 0.784314 rgBT /Ov	14.9	4
30	Stable Alignment of Tautomers at Room Temperature in Porphyrin 2D Layers. Advanced Functional Materials, 2014, 24, 958-963.	14.9	51
31	Oxidation effects on ultrathin Ni and Cr films grown on Fe(001): A combined scanning tunneling microscopy and Auger electron spectroscopy study. Surface Science, 2014, 621, 55-63.	1.9	17
32	Enhanced Atom Mobility on the Surface of a Metastable Film. Physical Review Letters, 2014, 113, 046102.	7.8	22
33	Controlling drop-casting deposition of 2D Pt-octaethyl porphyrin layers on graphite. Synthetic Metals, 2014, 195, 201-207.	3.9	12
34	Magneto-optical investigation of Fe/CoO/Fe(001) trilayers. , 2014, , .		0
35	Self-organized chromium oxide monolayers on Fe(001). Physical Review B, 2013, 87, .	3.2	25
36	Magnetic properties of monolayer range chromium oxides on Fe(001). Journal of Applied Physics, 2013, 114, .	2.5	9

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37	Martensitic transition during Ni growth on Fe(001): evidence of a precursor phase. New Journal of Physics, 2012, 14, 053048.	2.9	13
38	Oxygen-assisted Ni growth on Fe(001): Observation of an â€œanti-surfactantâ€•effect. Physical Review B, 2012, 86, .	3.2	15
39	Thermal Instability of Thin Ni/Fe(001) Films. Nanoscience and Nanotechnology Letters, 2012, 4, 1092-1095.	0.4	6