

Michele Riva

List of Publications by Year in descending order

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papers

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623734

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all docs

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docs citations

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times ranked

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citing authors

#	ARTICLE	IF	CITATIONS
1	Reactive metal-oxide interfaces: A microscopic view. <i>Surface Science Reports</i> , 2016, 71, 32-76.	7.2	80
2	Influence of surface atomic structure demonstrated on oxygen incorporation mechanism at a model perovskite oxide. <i>Nature Communications</i> , 2018, 9, 3710.	12.8	54
3	Stable Alignment of Tautomers at Room Temperature in Porphyrin 2D Layers. <i>Advanced Functional Materials</i> , 2014, 24, 958-963.	14.9	51
4	Surface Complexions Identified through Machine Learning and Surface Investigations. <i>Physical Review Letters</i> , 2020, 125, 206101.	7.8	32
5	Stability and Catalytic Performance of Reconstructed Fe ₃ O ₄ (001) and Fe ₃ O ₄ (110) Surfaces during Oxygen Evolution Reaction. <i>Journal of Physical Chemistry C</i> , 2019, 123, 8304-8311.	3.1	30
6	Self-organized chromium oxide monolayers on Fe(001). <i>Physical Review B</i> , 2013, 87, .	3.2	25
7	Controlling the Electronic and Structural Coupling of C ₆₀ Nano Films on Fe(001) through Oxygen Adsorption at the Interface. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 26418-26424.	8.0	23
8	Adjusting island density and morphology of the SrTiO ₃ (110)-(4 Å ⁻¹) surface: Pulsed laser deposition combined with scanning tunneling microscopy. <i>Surface Science</i> , 2016, 651, 76-83.	1.9	23
9	Enhanced Atom Mobility on the Surface of a Metastable Film. <i>Physical Review Letters</i> , 2014, 113, 046102.	7.8	22
10	Oxidation effects on ultrathin Ni and Cr films grown on Fe(001): A combined scanning tunneling microscopy and Auger electron spectroscopy study. <i>Surface Science</i> , 2014, 621, 55-63.	1.9	17
11	Mesoscopic organization of cobalt thin films on clean and oxygen-saturated Fe(001) surfaces. <i>Physical Review B</i> , 2015, 92, .	3.2	16
12	Ni-modified Fe ₃ O ₄ (001) surface as a simple model system for understanding the oxygen evolution reaction. <i>Electrochimica Acta</i> , 2021, 389, 138638.	5.2	16
13	Oxygen-assisted Ni growth on Fe(001): Observation of an anti-surfactant effect. <i>Physical Review B</i> , 2012, 86, .	3.2	15
14	Electron spectroscopy investigation of the oxidation of ultra-thin films of Ni and Cr on Fe(O ₂). <i>Journal of Physics Condensed Matter</i> , 2014, 26, 445001.	1.8	14
15	Atomic Scale Insights into the Early Stages of Metal Oxidation: A Scanning Tunneling Microscopy and Spectroscopy Study of Cobalt Oxidation. <i>Journal of Physical Chemistry C</i> , 2016, 120, 5233-5241.	3.1	14
16	Quest for a pristine unreconstructed SrTiO ₃ (110)-(4 Å ⁻¹) surface: An atomically resolved study via noncontact atomic force microscopy. <i>Physical Review B</i> , 2021, 103, .	3.2	14
17	Martensitic transition during Ni growth on Fe(001): evidence of a precursor phase. <i>New Journal of Physics</i> , 2012, 14, 053048.	2.9	13
18	Nickel-Oxide-Modified SrTiO ₃ (110)-(4 Å ⁻¹) Surfaces and Their Interaction with Water. <i>Journal of Physical Chemistry C</i> , 2015, 119, 20481-20487.	3.1	13

#	ARTICLE	IF	CITATIONS
19	Pushing the detection of cation nonstoichiometry to the limit. <i>Physical Review Materials</i> , 2019, 3, .	2.4	13
20	Single Rh Adatoms Stabilized on $\text{Fe}_2\text{O}_3(11\bar{1}02)$ by Coadsorbed Water. <i>ACS Energy Letters</i> , 2022, 7, 375-380.	17.4	13
21	Controlling drop-casting deposition of 2D Pt-octaethyl porphyrin layers on graphite. <i>Synthetic Metals</i> , 2014, 195, 201-207.	3.9	12
22	Self-organized nano-structuring of CoO islands on Fe(001). <i>Applied Surface Science</i> , 2016, 362, 374-379.	6.1	12
23	Atomically resolved surface phases of $\text{La}_{0.8}\text{Sr}_{0.2}\text{MnO}_3(110)$ thin films. <i>Journal of Materials Chemistry A</i> , 2020, 8, 22947-22961.	10.3	12
24	A Model System for Photocatalysis: Ti-Doped $\text{Fe}_2\text{O}_3(11\bar{1}02)$ Single-Crystalline Films. <i>Chemistry of Materials</i> , 2020, 32, 3753-3764.	6.7	12
25	Growth of $\text{Fe}_2\text{O}_3(111)$ thin films with optimized surfaces. <i>Physical Review Materials</i> , 2019, 3, .	2.4	12
26	$\text{Fe}_3\text{O}_4(110)$ revisited: Periodic (111) nanofacets. <i>Surface Science</i> , 2016, 649, L120-L123.	1.9	11
27	Magnetic properties of monolayer chromium oxides on Fe(001). <i>Journal of Applied Physics</i> , 2013, 114, .	2.5	9
28	Magnetic anisotropy at the buried CoO/Fe interface. <i>Applied Physics Letters</i> , 2016, 109, .	3.3	9
29	Surface Reduction State Determines Stabilization and Incorporation of Rh on $\text{Fe}_2\text{O}_3(11\bar{1}02)$. <i>Advanced Materials Interfaces</i> , 2021, 8, 2001908.	3.7	9
30	Epitaxial growth of complex oxide films: Role of surface reconstructions. <i>Physical Review Research</i> , 2019, 1, .	3.6	9
31	Two-dimensional surface phase diagram of a multicomponent perovskite oxide: $\text{La}_{0.8}\text{Sr}_{0.2}\text{MnO}_3$. <i>Physical Review Materials</i> , 2021, 5, .	2.4	12
32	Thermal Instability of Thin Ni/Fe(001) Films. <i>Nanoscience and Nanotechnology Letters</i> , 2012, 4, 1092-1095.	0.4	6
33	Organic Electronics: Stable Alignment of Tautomers at Room Temperature in Porphyrin 2D Layers (Adv. Tj ETQq1 14.9 rgBT /Ove	10.784314	14
34	Movable holder for a quartz crystal microbalance for exact growth rates in pulsed laser deposition. <i>Review of Scientific Instruments</i> , 2020, 91, 065003.	1.3	4
35	Reconstruction changes drive surface diffusion and determine the flatness of oxide surfaces. <i>Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films</i> , 2022, 40, .	2.1	2
36	2D-3D Phase Transition in Ultra-thin H2TPP Films Induced by Deposition of Iron Atoms. <i>Materials Today: Proceedings</i> , 2015, 2, 4239-4246.	1.8	1

#	ARTICLE	IF	CITATIONS
37	Magneto-optical investigation of Fe/CoO/Fe(001) trilayers. , 2014, , .		0
38	Single Atom Catalysts: Surface Reduction State Determines Stabilization and Incorporation of Rh on $\sqrt{11} \times \sqrt{11} \text{Fe}_2\text{O}_3(11\bar{2})$ (Adv. Mater. Interfaces 8/2021). Advanced Materials Interfaces, 2021, 8, 2170045.	3.7	0
39	The surface phase diagram of $\text{La}_{0.8}\text{Sr}_{0.2}\text{MnO}_3$ in STM. Acta Crystallographica Section A: Foundations and Advances, 2019, 75, e330-e330.	0.1	0