

# Michele Reticcioli

## List of Publications by Year in descending order

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21  
papers

839  
citations

933447

10  
h-index

752698

20  
g-index

24  
all docs

24  
docs citations

24  
times ranked

1088  
citing authors

#	ARTICLE	IF	CITATIONS
1	Modeling polarons in density functional theory: lessons learned from $\text{TiO}_2$ . Journal of Physics Condensed Matter, 2022, 34, 204006.	1.8	6
2	Anderson transition in stoichiometric $\text{Fe}_2\text{VAl}$ : high thermoelectric performance from impurity bands. Nature Communications, 2022, 13, .	12.8	15
3	Large thermoelectric power factors by opening the band gap in semimetallic Heusler alloys. Materials Today Physics, 2022, 27, 100742.	6.0	5
4	Machine learning for exploring small polaron configurational space. Npj Computational Materials, 2022, 8, .	8.7	8
5	Role of Polarons in Single-Atom Catalysts: Case Study of $\text{Me}_1$ [ $\text{Au}_1$ , $\text{Pt}_1$ , and $\text{Rh}_1$ ] on $\text{TiO}_2(110)$ . Topics in Catalysis, 2022, 65, 1620-1630.	2.8	3
6	Polarons in materials. Nature Reviews Materials, 2021, 6, 560-586.	48.7	273
7	Electronic State Unfolding for Plane Waves: Energy Bands, Fermi Surfaces, and Spectral Functions. Journal of Physical Chemistry C, 2021, 125, 12921-12928.	3.1	14
8	Resolving the adsorption of molecular $\text{O}_2$ on the rutile $\text{TiO}_2(110)$ surface by noncontact atomic force microscopy. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 14827-14837.	7.1	39
9	$\text{CuAu}$ , a hexagonal two-dimensional metal. 2D Materials, 2020, 7, 045017.	4.4	11
10	Small Polarons in Transition Metal Oxides. , 2020, , 1035-1073.		10
11	Spin fluctuation induced Weyl semimetal state in the paramagnetic phase of $\text{EuCd}_2\text{As}_2$ . Science Advances, 2019, 5, eaaw4718.	10.3	122
12	Doping-induced insulator-metal transition in the Lifshitz magnetic insulator $\text{NaOsO}_3$ . Journal of Physics Condensed Matter, 2019, 31, 244002.	1.8	3
13	Small Polarons in Transition Metal Oxides. , 2019, , 1-39.		20
14	Interplay between Adsorbates and Polarons: $\text{CO}$ on Rutile $\text{TiO}_2(110)$ surface. Physical Review Letters, 2019, 123, 086101.		
15	Defect chemistry of $\text{Eu}$ dopants in $\text{NaI}$ scintillators studied by atomically resolved force microscopy. Physical Review Materials, 2019, 3, .	2.4	0
16	Polarity compensation mechanisms on the perovskite surface $\text{KTaO}_3(001)$ . Science, 2018, 359, 572-575.	12.6	85
17	Formation and dynamics of small polarons on the rutile $\text{TiO}_2(110)$ surface. Physical Review B, 2018, 98, .		
18	Polaron-Driven Surface Reconstructions. Physical Review X, 2017, 7, .	8.9	32

#	ARTICLE	IF	CITATIONS
19	Ru doping in iron-based pnictides: The "unfolded" dominant role of structural effects for superconductivity. Physical Review B, 2017, 95, .	3.2	11
20	Effective band structure of Ru-doped BaFe <sub>2</sub> As <sub>2</sub> . Journal of Physics: Conference Series, 2016, 689, 012027. <a href="#">Electron and hole doping in the relativistic Mott insulator</a>	0.4	6
21	<a href="#">Sr<sub>2</sub>IrO<sub>4</sub> : A first-principles study using</a>	3.2	27