

Francesco Ricci

List of Publications by Year in descending order

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Version: 2024-02-01

13
papers

632
citations

759233

12
h-index

1125743

13
g-index

13
all docs

13
docs citations

13
times ranked

1065
citing authors

#	ARTICLE	IF	CITATIONS
1	An ab initio electronic transport database for inorganic materials. <i>Scientific Data</i> , 2017, 4, 170085.	5.3	146
2	Transparent conducting materials discovery using high-throughput computing. <i>Npj Computational Materials</i> , 2019, 5, .	8.7	97
3	Prediction of a native ferroelectric metal. <i>Nature Communications</i> , 2016, 7, 11211.	12.8	71
4	High-Throughput Identification of Electrides from All Known Inorganic Materials. <i>Chemistry of Materials</i> , 2018, 30, 7521-7526.	6.7	63
5	The Thermoelectric Properties of n-Type Bismuth Telluride: Bismuth Selenide Alloys $\text{Bi}_2\text{Te}_3\hat{x}\text{Sex}$. <i>Research</i> , 2020, 2020, 4361703.	5.7	61
6	Structural design principles for low hole effective mass s-orbital-based p-type oxides. <i>Journal of Materials Chemistry C</i> , 2017, 5, 5772-5779.	5.5	56
7	Discovery of multivalley Fermi surface responsible for the high thermoelectric performance in $\text{Yb}_{14}\text{MnSb}_{11}$ and $\text{Yb}_{14}\text{MgSb}_{11}$. <i>Science Advances</i> , 2021, 7, .	10.3	34
8	Density of states prediction for materials discovery via contrastive learning from probabilistic embeddings. <i>Nature Communications</i> , 2022, 13, 949.	12.8	26
9	Viewpoint: Atomic-Scale Design Protocols toward Energy, Electronic, Catalysis, and Sensing Applications. <i>Inorganic Chemistry</i> , 2019, 58, 14939-14980.	4.0	23
10	Gapped metals as thermoelectric materials revealed by high-throughput screening. <i>Journal of Materials Chemistry A</i> , 2020, 8, 17579-17594.	10.3	19
11	Computationally driven high-throughput identification of CaTe and Li_3P as promising candidates for high-mobility transparent conducting materials. <i>Physical Review Materials</i> , 2019, 3, .	2.4	16
12	Structure motif-centric learning framework for inorganic crystalline systems. <i>Science Advances</i> , 2021, 7, .	10.3	13
13	Heat Capacity and Anisotropic Thermal Conductivity in Cr_2AlC Single Crystals at High Temperature. <i>Journal of Physical Chemistry C</i> , 2020, 124, 24017-24028.	3.1	7