

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
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13
all docs

13
docs citations

13
times ranked

1065
citing authors

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