

Chiara Ricca

List of Publications by Year in descending order

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15
papers

323
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1163117

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16
docs citations

16
times ranked

499
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|--|------|-----------|
| 1 | Photochemical anisotropy and direction-dependent optical absorption in semiconductors. Journal of Chemical Physics, 2022, 156, 154703. | 3.0 | 1 |
| 2 | Ferroelectricity promoted by cation/anion divacancies in SrMnO ₃ . Journal of Materials Chemistry C, 2021, 9, 13321-13330. | 5.5 | 3 |
| 3 | Importance of surface oxygen vacancies for ultrafast hot carrier relaxation and transport in Cu ₂ O. Physical Review Research, 2021, 3, . | 3.6 | 9 |
| 4 | Self-consistent study of oxygen vacancies in SrTiO ₃ . Physical Review Research, 2020, 2, . | 3.6 | 50 |
| 5 | Local polarization in oxygen-deficient LaMnO ₃ induced by charge localization in the Jahn-Teller distorted structure. Physical Review Research, 2020, 2, . | 3.6 | 5 |
| 6 | On the Stability Issues of TiO ₂ -Based Composites in View of Fuel Cell Application: A Combined Experimental and Theoretical Investigation. Journal of Physical Chemistry C, 2019, 123, 12573-12582. | 3.1 | 3 |
| 7 | Self-consistent site-dependent DFT+U study of stoichiometric and defective SrMnO ₃ . Physical Review B, 2019, 80, . | 3.2 | 39 |
| 8 | Conduction Mechanisms in Oxide-Carbonate Electrolytes for SOFC: Highlighting the Role of the Interface from First-Principles Modeling. Journal of Physical Chemistry C, 2018, 122, 10067-10077. | 3.1 | 22 |
| 9 | B,N-Codoped graphene as catalyst for the oxygen reduction reaction: Insights from periodic and cluster DFT calculations. Journal of Computational Chemistry, 2018, 39, 637-647. | 3.3 | 39 |
| 10 | Modeling composite electrolytes for low-temperature solid oxide fuel cell application: structural, vibrational and electronic features of carbonate-oxide interfaces. Journal of Materials Chemistry A, 2016, 4, 17473-17482. | 10.3 | 6 |
| 11 | Defect Formation and Diffusion on the (001) Surface of LiKCO ₃ for Fuel Cell Applications: Insight from Hybrid DFT. Journal of Physical Chemistry C, 2016, 120, 12941-12951. | 3.1 | 7 |
| 12 | Mixed lithium-sodium (LiNaCO ₃) and lithium-potassium (LiKCO ₃) carbonates for low temperature electrochemical applications: Structure, electronic properties and surface reconstruction from ab-initio calculations. Surface Science, 2016, 647, 66-77. | 1.9 | 18 |
| 13 | Revealing the properties of the cubic ZrO ₂ (111) surface by periodic DFT calculations: reducibility and stabilization through doping with aliovalent Y ₂ O ₃ . RSC Advances, 2015, 5, 13941-13951. | 3.6 | 22 |
| 14 | A comprehensive DFT investigation of bulk and low-index surfaces of ZrO ₂ polymorphs. Journal of Computational Chemistry, 2015, 36, 9-21. | 3.3 | 61 |
| 15 | Oxidation of Ethylbenzene to Acetophenone with N-Doped Graphene: Insight from Theory. Journal of Physical Chemistry C, 2014, 118, 12275-12284. | 3.1 | 35 |