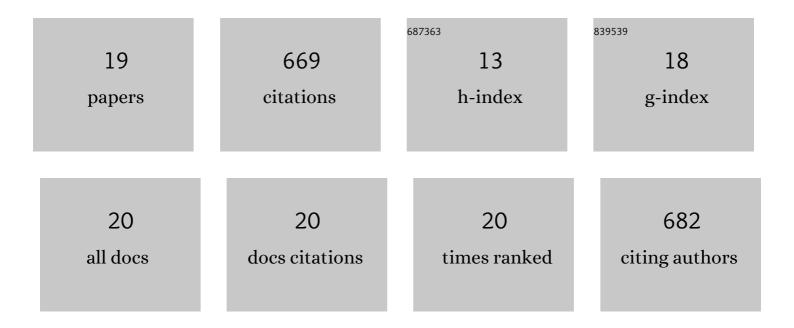
Paolo Restuccia

List of Publications by Year in descending order

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| # | Article | IF | CITATIONS |
|----|---|------|-----------|
| 1 | Interfacial Charge Density and Its Connection to Adhesion and Frictional Forces. Physical Review Letters, 2018, 121, 026804. | 7.8 | 115 |
| 2 | Graphene and MoS2 interacting with water: A comparison by ab initio calculations. Carbon, 2016, 107, 878-884. | 10.3 | 114 |
| 3 | Tribochemistry of graphene on iron and its possible role in lubrication of steel. Carbon, 2016, 106, 118-124. | 10.3 | 100 |
| 4 | Surface passivation by graphene in the lubrication of iron: A comparison with bronze. Carbon, 2017, 116, 375-380. | 10.3 | 56 |
| 5 | Corrosion inhibition of carbon steel in hydrochloric acid: Elucidating the performance of an imidazoline-based surfactant. Corrosion Science, 2021, 180, 109195. | 6.6 | 54 |
| 6 | Monitoring water and oxygen splitting at graphene edges and folds: Insights into the lubricity of graphitic materials. Carbon, 2020, 156, 93-103. | 10.3 | 38 |
| 7 | Structural Ordering of Molybdenum Disulfide Studied via Reactive Molecular Dynamics Simulations. ACS Applied Materials & Interfaces, 2018, 10, 8937-8946. | 8.0 | 34 |
| 8 | Superlubricity in phosphorene identified by means of ab initio calculations. 2D Materials, 2020, 7, 025033. | 4.4 | 32 |
| 9 | Ideal adhesive and shear strengths of solid interfaces: A high throughput ab initio approach. Computational Materials Science, 2018, 154, 517-529. | 3.0 | 22 |
| 10 | Altering the Properties of Graphene on Cu(111) by Intercalation of Potassium Bromide. ACS Nano, 2019, 13, 5485-5492. | 14.6 | 20 |
| 11 | Tribochemical Reactions of MoDTC Lubricant Additives with Iron by Quantum Mechanics/Molecular Mechanics Simulations. Journal of Physical Chemistry C, 2020, 124, 13688-13694. | 3.1 | 19 |
| 12 | Characterization of Molybdenum Dithiocarbamates by First-Principles Calculations. Journal of Physical Chemistry A, 2019, 123, 7007-7015. | 2.5 | 17 |
| 13 | Phosphorus Adsorption on Fe(110): An ab Initio Comparative Study of Iron Passivation by Different Adsorbates. Journal of Physical Chemistry C, 2018, 122, 28105-28112. | 3.1 | 16 |
| 14 | Quantum Mechanics/Molecular Mechanics (QM/MM) applied to tribology: Real-time monitoring of tribochemical reactions of water at graphene edges. Computational Materials Science, 2020, 173, 109400. | 3.0 | 9 |
| 15 | Size-dependent commensurability and its possible role in determining the frictional behavior of adsorbed systems. Physical Chemistry Chemical Physics, 2016, 18, 28997-29004. | 2.8 | 8 |
| 16 | Corrosion inhibition in acidic environments: key interfacial insights with photoelectron spectroscopy. Faraday Discussions, 2022, 236, 374-388. | 3.2 | 6 |
| 17 | Modeling phosphorene and \$\$hbox {MoS}_{2}\$\$ interacting with iron: lubricating effects compared to graphene. Journal of Nanostructure in Chemistry, 0, , 1. | 9.1 | 5 |
| 18 | A transferable prediction model of molecular adsorption on metals based on adsorbate and substrate properties. Physical Chemistry Chemical Physics, 2022, 24, 16545-16555. | 2.8 | 3 |

| # | Article | IF | CITATIONS |
|----|---|-----|-----------|
| 19 | First-Principles Simulation—Nano-Theory. Crystals, 2021, 11, 855. | 2.2 | 0 |