# Marco Sacchi

List of Publications by Year
in descending order



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|---|---|---|---|
| 44 papers | 1,077 citations | 516710 16 h-index | 414414 32 g-index |
| 47 all docs | 47 docs citations | 47 times ranked | 721 citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | State-Resolved Gas-Surface Reactivity of Methane in the Symmetric C-H Stretch Vibration on Ni(100). Physical Review Letters, 2005, 94, . | 7.8 | 150 |
| 2 | Residual Chlorine Induced Cationic Active Species on a Porous Copper Electrocatalyst for Highly Stable Electrochemical CO<sub>2</sub> Reduction to C<sub>2+</sub>. Angewandte Chemie - International Edition, 2021, 60, 11487-11493. | 13.8 | 145 |
| 3 | State-Resolved Reactivity of CH4(2Î½3) on Pt(111) and Ni(111):Â Effects of Barrier Height and Transition State Locationâ€. Journal of Physical Chemistry A, 2007, 111, 12679-12683. | 2.5 | 102 |
| 4 | Quantum Biology: An Update and Perspective. Quantum Reports, 2021, 3, 80-126. | 1.3 | 74 |
| 5 | Mode-specific reactivity of<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:msub><mml:mrow><mml:mtext>CH</mml:mtext></mml:mrow><mml:mn>4</mml:mn></mml:msub></mml:mrow></mml:math> xmlns:mml="http://www.w3.org/1998/Math/MathML" | | |

| # | Article | IF | Citations |
|---|---|---|---|
| 19 | Combined Diffraction and Density Functional Theory Calculations of Halogen-Bonded Cocrystal Monolayers. Langmuir, 2013, 29, 14903-14911. | 3.5 | 15 |
| 20 | Residual Chlorine Induced Cationic Active Species on a Porous Copper Electrocatalyst for Highly Stable Electrochemical CO 2 Reduction to C 2+. Angewandte Chemie, 2021, 133, 11588-11594. | 2.0 | 15 |
| 21 | Jumping, Rotating, and Flapping: The Atomic-Scale Motion of Thiophene on Cu(111). Journal of Physical Chemistry Letters, 2013, 4, 1953-1958. | 4.6 | 14 |
| 22 | Self-Organized Overlayers Formed by Alanine on Cu{311} Surfaces. Journal of Physical Chemistry C, 2014, 118, 18589-18603. | 3.1 | 14 |
| 23 | Mass Transport in Surface Diffusion of van der Waals Bonded Systems: Boosted by Rotations?. Journal of Physical Chemistry Letters, 2016, 7, 4819-4824. | 4.6 | 14 |
| 24 | Ballistic Diffusion in Polyaromatic Hydrocarbons on Graphite. Journal of Physical Chemistry Letters, 2016, 7, 5285-5290. | 4.6 | 13 |
| 25 | Spontaneous Local Symmetry Breaking: A Conformational Study of Glycine on Cu{311}. Journal of Physical Chemistry C, 2015, 119, 13041-13049. | 3.1 | 12 |
| 26 | The dynamics of benzene on Cu(111): a combined helium spin echo and dispersion-corrected DFT study into the diffusion of physisorbed aromatics on metal surfaces. Faraday Discussions, 2017, 204, 471-485. | 3.2 | 11 |
| 27 | Supramolecular self-assembled network formation containing Nâ‹¯Br halogen bonds in physisorbed overlayers. Physical Chemistry Chemical Physics, 2014, 16, 19608-19617. | 2.8 | 10 |
| 28 | Simulating the complete pyrolysis and charring process of phenolâ€“formaldehyde resins using reactive molecular dynamics. Journal of Materials Science, 2022, 57, 7600-7620. | 3.7 | 10 |
| 29 | Electronic Structure and Bonding of an Ionic Molecular Adsorbate: c-C5H5 on Cu{111}. Journal of Physical Chemistry C, 2011, 115, 16134-16141. | 3.1 | 9 |
| 30 | Ultrafast molecular transport on carbon surfaces: The diffusion of ammonia on graphite. Carbon, 2018, 126, 23-30. | 10.3 | 9 |
| 31 | Determining the Relative Structural Relevance of Halogen and Hydrogen Bonds in Self-Assembled Monolayers. Journal of Physical Chemistry C, 2021, 125, 27784-27792. | 3.1 | 9 |
| 32 | Repulsion-Induced Surface-Migration by Ballistics and Bounce. Journal of Physical Chemistry Letters, 2015, 6, 4093-4098. | 4.6 | 8 |
| 33 | The dehydrogenation of butane on metal-free graphene. Journal of Colloid and Interface Science, 2022, 619, 377-387. | 9.4 | 8 |
| 34 | The crystalline structure of the phenazine overlayer physisorbed on a graphite surface. Molecular Physics, 2013, 111, 3823-3830. | 1.7 | 6 |
| 35 | Coverage-Dependent Structural Evolution in the Interaction of NO<sub>2</sub> with Au{111}. Journal of Physical Chemistry C, 2012, 116, 5637-5645. | 3.1 | 5 |
| 36 | â€œPop-On and Pop-Offâ€•Surface Chemistry of Alanine on Ni{111} under Elevated Hydrogen Pressures. Journal of Physical Chemistry C, 2018, 122, 7720-7730. | 3.1 | 5 |

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|---|---|---|---|
| 37 | Alkali metal adsorption on metal surfaces: new insights from new tools. Physical Chemistry Chemical Physics, 2021, 23, 7822-7829. | 2.8 | 5 |
| 38 | Cavity ring-down spectroscopy of jet-cooled silane isotopologues in the Siâ€“H stretch overtone region. Journal of Chemical Physics, 2007, 127, 244301. | 3.0 | 4 |
| 39 | Dipole-Moment Reversal in a Polar Organic Monolayer Probed by Sum and Difference Frequency Spectroscopy. Journal of Physical Chemistry C, 2017, 121, 6692-6700. | 3.1 | 4 |
| 40 | Halogen Bonding in Bicomponent Monolayers: Self-Assembly of a Homologous Series of Iodinated Perfluoroalkanes with Bipyridine. Langmuir, 2021, 37, 627-635. | 3.5 | 3 |
| 41 | Supramolecular systems at liquidâ€“solid interfaces: general discussion. Faraday Discussions, 2017, 204, 271-295. | 3.2 | 2 |
| 42 | Energy landscapes and dynamics of glycine on Cu(110). Physical Chemistry Chemical Physics, 2017, 19, 16600-16605. | 2.8 | 1 |
| 43 | Innentitelbild: Quantum Influences in the Diffusive Motion of Pyrrole on Cu(111) (Angew. Chem.) Tj ETQq1 1 0.784314 rgBT /Overloc | 2.0 | 0 |
| 44 | Probing properties of molecule-based interface systems: general discussion and Discussion of the Concluding Remarks. Faraday Discussions, 2017, 204, 503-530. | 3.2 | 0 |