# Oliver BÃ¼nermann

List of Publications by Year
in descending order



| 13 | 382 | 1163117 8 | 1058476 14 |
|---|---|---|---|
| papers | citations | h-index | g-index |

| 14 | 14 | 14 | 338 |
|---|---|---|---|
| all docs | docs citations | times ranked | citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Small Nuclear Quantum Effects in Scattering of H and D from Graphene. Journal of Physical Chemistry Letters, 2021, 12, 1991-1996. | 4.6 | 17 |
| 2 | Inelastic Scattering of H Atoms from Surfaces. Journal of Physical Chemistry A, 2021, 125, 3059-3076. | 2.5 | 14 |
| 3 | Multibounce and Subsurface Scattering of H Atoms Colliding with a van der Waals Solid. Journal of Physical Chemistry A, 2021, 125, 5745-5752. | 2.5 | 8 |
| 4 | Adsorbate modification of electronic nonadiabaticity: H atom scattering from p(2 Ã— 2) O on Pt(111). Journal of Chemical Physics, 2021, 155, 034702. | 3.0 | 6 |
| 5 | An experimentally validated neural-network potential energy surface for H-atom on free-standing graphene in full dimensionality. Physical Chemistry Chemical Physics, 2020, 22, 26113-26120. | 2.8 | 14 |
| 6 | Inelastic H and D atom scattering from Au(111) as benchmark for theory. Journal of Chemical Physics, 2019, 150, 184704. | 3.0 | 8 |
| 7 | Imaging covalent bond formation by H atom scattering from graphene. Science, 2019, 364, 379-382. | 12.6 | 76 |
| 8 | Inelastic H Atom Scattering from Ultrathin Aluminum Oxide Films Grown by Atomic Layer Deposition on Pt(111). Journal of Physical Chemistry C, 2018, 122, 10096-10102. | 3.1 | 6 |
| 9 | Unified description of H-atomâ€“induced chemicurrents and inelastic scattering. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, 680-684. | 7.1 | 39 |
| 10 | Hydrogen collisions with transition metal surfaces: Universal electronically nonadiabatic adsorption. Journal of Chemical Physics, 2018, 148, 034706. | 3.0 | 31 |
| 11 | An ultrahigh vacuum apparatus for H atom scattering from surfaces. Review of Scientific Instruments, 2018, 89, 094101. | 1.3 | 18 |
| 12 | Electron-hole pair excitation determines the mechanism of hydrogen atom adsorption. Science, 2015, 350, 1346-1349. | 12.6 | 136 |
| 13 | Generation of ultra-short hydrogen atom pulses by bunch-compression photolysis. Nature Communications, 2014, 5, 5373. | 12.8 | 7 |