

Mario Rocca

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/4798770/publications.pdf>

Version: 2024-02-01

154
papers

4,349
citations

87843

38
h-index

138417

58
g-index

160
all docs

160
docs citations

160
times ranked

2688
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 1 | Adsorption of Glutamic acid on clean and hydroxylated rutile TiO ₂ (110): an XPS and NEXAFS investigation. Journal of Physics Condensed Matter, 2022, , . | 0.7 | 2 |
| 2 | Boudouard reaction under graphene cover on Ni(1 1 1). Applied Surface Science, 2022, 599, 154065. | 3.1 | 5 |
| 3 | Morphological characterization and electronic properties of pristine and oxygen-exposed graphene nanoribbons on Ag(110). Physical Chemistry Chemical Physics, 2021, 23, 7926-7937. | 1.3 | 2 |
| 4 | Prominence of Terahertz Acoustic Surface Plasmon Excitation in Gasâ€“Surface Interaction with Metals. Journal of Physical Chemistry Letters, 2021, 12, 9894-9898. | 2.1 | 3 |
| 5 | 2D Ni Nanoclusters on Ultrathin MgO/Ag(100). Journal of Physical Chemistry C, 2020, 124, 482-488. | 1.5 | 1 |
| 6 | Interface Oxygen Induced Internal Structures of Ultrathin MgO Islands Grown on Ag(100). Journal of Physical Chemistry C, 2020, 124, 8834-8842. | 1.5 | 5 |
| 7 | Reversible and irreversible structural changes in FeO/Ru(O ⁰ 1) model catalyst subjected to atomic oxygen. Applied Surface Science, 2020, 528, 146032. | 3.1 | 5 |
| 8 | Vibrational fingerprint of the catalytically-active FeO _{2-x} iron oxide phase on Pt(111). Applied Surface Science, 2020, 512, 145774. | 3.1 | 1 |
| 9 | Graphene. Springer Handbooks, 2020, , 1171-1198. | 0.3 | 2 |
| 10 | Surface Plasmons and Plasmonics. Springer Handbooks, 2020, , 531-556. | 0.3 | 0 |
| 11 | Chemisorption of CO on N-doped graphene on Ni(111). Applied Surface Science, 2018, 428, 775-780. | 3.1 | 18 |
| 12 | Deciphering complex features in STM images of O adatoms on Ag(110). Physical Review B, 2018, 98, . | 1.1 | 6 |
| 13 | Influence of growing conditions on the reactivity of Ni supported graphene towards CO. Journal of Chemical Physics, 2017, 146, 104704. | 1.2 | 14 |
| 14 | Adatom Extraction from Pristine Metal Terraces by Dissociative Oxygen Adsorption: Combined STM and Density Functional Theory Investigation of O on Ag and Ni . Journal of Physical Chemistry Letters, 2017, 8, 104704. | 2.9 | 11 |
| 15 | Comment on "Adsorption of hydrogen and hydrocarbon molecules on SiC(001)" by Pollmann et al. (Surf. Sci. Rep. 69 (2014) 55-104). Surface Science, 2016, 644, L170-L171. | 0.8 | 1 |
| 16 | Phonons in Thin Oxide Films. Springer Series in Materials Science, 2016, , 169-199. | 0.4 | 2 |
| 17 | CO chemisorption at vacancies of supported graphene films: a candidate for a sensor?. Physical Chemistry Chemical Physics, 2016, 18, 18692-18696. | 1.3 | 15 |
| 18 | Enhanced Chemical Reactivity of Pristine Graphene Interacting Strongly with a Substrate: Chemisorbed Carbon Monoxide on Graphene/Nickel(111). ChemCatChem, 2015, 7, 2328-2331. | 1.8 | 36 |

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 19 | International Conference on Solid Films and Surfaces (ICSFS 2014). IOP Conference Series: Materials Science and Engineering, 2015, 76, 011001. | 0.3 | 0 |
| 20 | Sticking Probability and Reactivity of Hyperthermal O ₂ Molecules Impinging on CO Pre-covered Pd(100): Effect of Rotational States with \hbar . Topics in Catalysis, 2015, 58, 580-590. | 1.3 | 1 |
| 21 | Spontaneous Oxidation of Ni Nanoclusters on MgO Monolayers Induced by Segregation of Interfacial Oxygen. Journal of Physical Chemistry Letters, 2015, 6, 3104-3109. | 2.1 | 15 |
| 22 | Anisotropic Dispersion and Partial Localization of Acoustic Surface Plasmons on an Atomically Stepped Surface: Au(788). Physical Review Letters, 2014, 113, 186804. | 2.9 | 13 |
| 23 | How Growing Conditions and Interfacial Oxygen Affect the Final Morphology of MgO/Ag(100) Films. Journal of Physical Chemistry C, 2014, 118, 26091-26102. | 1.5 | 31 |
| 24 | Morphology of Monolayer MgO Films on Ag(100): Switching from Corrugated Islands to Extended Flat Terraces. Physical Review Letters, 2014, 112, 126102. | 2.9 | 60 |
| 25 | From Vanadia Nanoclusters to Ultrathin Films on TiO ₂ (110): Evolution of the Yield and Selectivity in the Ethanol Oxidation Reaction. ACS Catalysis, 2014, 4, 3715-3723. | 5.5 | 23 |
| 26 | High Resolution Electron Energy Loss Spectroscopy (HREELS): A Sensitive and Versatile Surface Tool. Springer Series in Surface Sciences, 2013, , 499-529. | 0.3 | 6 |
| 27 | Spectroscopic Evidence for Neutral and Anionic Adsorption of (<i>S</i>)-Glutamic Acid on Ag(111). Langmuir, 2013, 29, 6867-6875. | 1.6 | 6 |
| 28 | Hydrogen-induced nanotunnel opening within semiconductor subsurface. Nature Communications, 2013, 4, . | 5.8 | 10 |
| 29 | Correlated Motion of Electrons on the Au(111) Surface: Anomalous Acoustic Surface-Plasmon Dispersion and Single-Particle Excitations. Physical Review Letters, 2013, 110, 127405. | 2.9 | 46 |
| 30 | Accretion disc origin of the Earth's water. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2013, 371, 20110585. | 1.6 | 14 |
| 31 | Supersonic Molecular Beams Studies of Surfaces. Springer Series in Surface Sciences, 2013, , 1-23. | 0.3 | 3 |
| 32 | The effect of step geometry in copper oxidation by hyperthermal O ₂ molecular beam: Cu(511) vs Cu(410). Journal of Chemical Physics, 2012, 136, 094704. | 1.2 | 9 |
| 33 | Coupling scanning tunneling microscope and supersonic molecular beams: A unique tool for in situ investigation of the morphology of activated systems. Review of Scientific Instruments, 2012, 83, 093703. | 0.6 | 6 |
| 34 | Acoustic Surface Plasmon Dispersion on Nanostructured Cu(111). Plasmonics, 2012, 7, 323-329. | 1.8 | 19 |
| 35 | Stoichiometry-Dependent Chemical Activity of Supported MgO(100) Films. Journal of Physical Chemistry A, 2011, 115, 7161-7168. | 1.1 | 21 |
| 36 | Poisoning and non-poisoning oxygen on Cu(410). Journal of Physics Condensed Matter, 2011, 23, 484001. | 0.7 | 1 |

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 37 | Acoustic surface plasmon on Cu(111). Europhysics Letters, 2010, 90, 57006. | 0.7 | 59 |
| 38 | Stereoselectivity in catalytic reactions: CO oxidation on Pd(100) by rotationally aligned O ₂ molecules. European Physical Journal B, 2010, 75, 81-87. | 0.6 | 6 |
| 39 | Interaction of rotationally aligned and of oriented molecules in gas phase and at surfaces. Progress in Surface Science, 2010, 85, 92-160. | 3.8 | 71 |
| 40 | Common fingerprint of hydroxylated non-polar steps on MgO smoke and MgO films. Surface Science, 2010, 604, 252-257. | 0.8 | 12 |
| 41 | O ₂ dissociation before the onset of added row nucleation on Ag(110): an atomistic scanning tunnelling microscopy view. Journal of Physics Condensed Matter, 2010, 22, 304015. | 0.7 | 9 |
| 42 | Hydrogen-Assisted Transformation of CO ₂ on Nickel: The Role of Formate and Carbon Monoxide. Journal of Physical Chemistry Letters, 2010, 1, 402-406. | 2.1 | 111 |
| 43 | Selective Production of Reactive and Nonreactive Oxygen Atoms on Pd(001) by Rotationally Aligned Oxygen Molecules. Angewandte Chemie - International Edition, 2009, 48, 4845-4848. | 7.2 | 27 |
| 44 | Ethene Adsorption and Decomposition on the Cu(410) Surface. Journal of Physical Chemistry C, 2009, 113, 20881-20889. | 1.5 | 20 |
| 45 | Dynamics of Ethene Adsorption on Clean and C-Contaminated Cu(410). Journal of Physical Chemistry C, 2009, 113, 20875-20880. | 1.5 | 13 |
| 46 | Ethene stabilization on Cu(111) by surface roughness. Journal of Chemical Physics, 2009, 131, 024701. | 1.2 | 17 |
| 47 | Bridging the structure gap: Chemistry of nanostructured surfaces at well-defined defects. Surface Science Reports, 2008, 63, 101-168. | 3.8 | 120 |
| 48 | Initial sticking probability of O ₂ on Cu(410). Surface Science, 2008, 602, 2689-2692. | 0.8 | 5 |
| 49 | Band structure effects on the Be(0001) acoustic surface plasmon energy dispersion. Physica Status Solidi (A) Applications and Materials Science, 2008, 205, 1307-1311. | 0.8 | 19 |
| 50 | Ethylene Decomposition at Undercoordinated Sites on Cu(410). Journal of the American Chemical Society, 2008, 130, 12552-12553. | 6.6 | 37 |
| 51 | Carbon Dioxide Hydrogenation on Ni(110). Journal of the American Chemical Society, 2008, 130, 11417-11422. | 6.6 | 151 |
| 52 | Oxygen interaction at Ag(511): from chemisorption to the initial stages of oxide formation. Journal of Physics Condensed Matter, 2008, 20, 224006. | 0.7 | 5 |
| 53 | Turning the Stoichiometry of Surface Oxide Phases by Step Morphology: $\text{Ag}_{1-x}\text{Cu}_x$ | 2.9 | 18 |
| 54 | Pulsed electron deposition (PED) of single buffer layer for YBaCuO coated conductors. Journal of Physics: Conference Series, 2008, 97, 012197. | 0.3 | 0 |

| # | ARTICLE | IF | CITATIONS |
|----|---|------|-----------|
| 55 | Interaction of carbon dioxide with Ni(110): A combined experimental and theoretical study. Physical Review B, 2007, 76, . | 1.1 | 78 |
| 56 | X-ray photoemission study of the temperature-dependent CuO formation on Cu(410) using an energetic O ₂ molecular beam. Physical Review B, 2007, 75, . | 1.1 | 39 |
| 57 | From adsorption at the surface to incorporation into subsurface sites: the role of steps for O/Ag. Applied Physics A: Materials Science and Processing, 2007, 87, 399-404. | 1.1 | 18 |
| 58 | High-resolution Electron Energy Loss Spectroscopy Study of O-Cu(410). Journal of Physical Chemistry B, 2007, 111, 1679-1683. | 1.2 | 10 |
| 59 | <i>In Situ</i> Oxidation of Superconducting YBCO Films by a Supersonic O ₂ Beam. IEEE Transactions on Applied Superconductivity, 2007, 17, 3286-3289. | 1.1 | 3 |
| 60 | Unravelling the Role of Steps in Cu ₂ O Formation via Hyperthermal O ₂ Adsorption at Cu(410). Journal of Physical Chemistry C, 2007, 111, 17340-17345. | 1.5 | 18 |
| 61 | Pressure and temperature dependence of cuprous oxide nucleation on Cu(410). Journal of Physics Condensed Matter, 2007, 19, 305022. | 0.7 | 9 |
| 62 | Co-evaporated YBCO/doped-CeO ₂ /Ni-W coated conductors oxygen improved using a supersonic nozzle. Physica C: Superconductivity and Its Applications, 2007, 463-465, 609-614. | 0.6 | 14 |
| 63 | Low-energy acoustic plasmons at metal surfaces. Nature, 2007, 448, 57-59. | 13.7 | 189 |
| 64 | Subsurface Oxygen Stabilization by a Third Species: Carbonates on Ag(210). Journal of Physical Chemistry C, 2007, 111, 10923-10930. | 1.5 | 16 |
| 65 | Monitoring Super- and Subsurface Oxygen on Ag(210) by High Energy Resolution X-ray Photoelectron Spectroscopy: Subsurface Diffusion and Segregation. Journal of Physical Chemistry B, 2006, 110, 942-947. | 1.2 | 18 |
| 66 | Cooling and alignment of ethylene molecules in supersonic seeded expansions: diagnostic and application to gas phase and surface scattering experiments. European Physical Journal D, 2006, 38, 121-127. | 0.6 | 9 |
| 67 | Role of Rotational Alignment in Dissociative Chemisorption and Oxidation: O ₂ on Bare and CO-Precovered Pd(100). Angewandte Chemie - International Edition, 2006, 45, 6655-6658. | 7.2 | 44 |
| 68 | Collisionally aligned molecular beams: a tool for stereodynamical studies in the gas phase and at surfaces. Physica Scripta, 2006, 73, C20-C24. | 1.2 | 7 |
| 69 | STM study of hydroxyl formation at O ₂ /Ag(110). Physical Review B, 2006, 74, . | 1.1 | 19 |
| 70 | Coverage dependence of the sticking probability of ethylene on Ag(410). Surface Science, 2005, 587, 110-120. | 0.8 | 11 |
| 71 | Heterolytic photolysis of O ₂ on Ag(100). Chemical Physics Letters, 2005, 404, 336-340. | 1.2 | 5 |
| 72 | Dynamics of propene adsorption on Ag(001). Journal of Chemical Physics, 2005, 122, 134701. | 1.2 | 7 |

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 73 | New insights on the stereodynamics of ethylene adsorption on an oxygen-precovered silver surface. <i>Journal of Chemical Physics</i> , 2005, 123, 224709. | 1.2 | 19 |
| 74 | Molecular Ordering and Adsorbate Induced Faceting in the Ag{110}(S)-Glutamic Acid System. <i>Langmuir</i> , 2005, 21, 9468-9475. | 1.6 | 51 |
| 75 | Stereodynamic Effects in the Adsorption of Propylene Molecules on Ag(001). <i>Journal of Physical Chemistry B</i> , 2005, 109, 22884-22889. | 1.2 | 18 |
| 76 | Coverage dependence of the dynamics of ethylene adsorption on Ag(210). <i>Journal of Physics Condensed Matter</i> , 2004, 16, S2929-S2936. | 0.7 | 4 |
| 77 | A simple and compact mechanical velocity selector of use to analyze/select molecular alignment in supersonic seeded beams. <i>Review of Scientific Instruments</i> , 2004, 75, 349-354. | 0.6 | 22 |
| 78 | Stereodynamic Effects in the Adsorption of Ethylene onto a Metal Surface. <i>Angewandte Chemie - International Edition</i> , 2004, 43, 5200-5203. | 7.2 | 50 |
| 79 | Enhanced Reactivity at Metal-Oxide Interface: Water Interaction with MgO Ultrathin Films. <i>Journal of Physical Chemistry B</i> , 2004, 108, 7771-7778. | 1.2 | 40 |
| 80 | Steering in non-dissociative chemisorption: ethylene on Ag(410). <i>Chemical Physics Letters</i> , 2003, 382, 605-610. | 1.2 | 5 |
| 81 | Oxygen vibrations in O ₂ /Ag(001). <i>Surface Science</i> , 2003, 530, 26-36. | 0.8 | 17 |
| 82 | Interaction of ethylene and oxygen with stepped Ag surfaces. <i>Journal of Electron Spectroscopy and Related Phenomena</i> , 2003, 129, 157-164. | 0.8 | 6 |
| 83 | Enhanced hydrolysis at monolayer MgO films. <i>Journal of Chemical Physics</i> , 2003, 119, 12053-12056. | 1.2 | 27 |
| 84 | MgO/Ag(100): Confined vibrational modes in the limit of ultrathin films. <i>Physical Review B</i> , 2003, 67, . | 1.1 | 41 |
| 85 | Surface plasmon dispersion on sputtered and nanostructured Ag(001). <i>Physical Review B</i> , 2003, 67, . | 1.1 | 18 |
| 86 | Ethylene Adsorption on Clean and Oxygen Covered Flat and Stepped Ag(001). <i>International Journal of Modern Physics B</i> , 2003, 17, 2497-2526. | 1.0 | 17 |
| 87 | Chemisorption dynamics in the presence of well defined surface defects. <i>Chemical Physics of Solid Surfaces</i> , 2003, , 223-246. | 0.3 | 3 |
| 88 | Dynamics of the interaction of O ₂ with stepped and damaged Ag surfaces. <i>Journal of Physics Condensed Matter</i> , 2003, 15, 2231-2231. | 0.7 | 0 |
| 89 | Electrostatic electron analyzer with 90° deflection angle. <i>Review of Scientific Instruments</i> , 2002, 73, 3861-3866. | 0.6 | 8 |
| 90 | Real-time XPS investigation of the impact-energy dependence of C ₂ H ₄ adsorption on Ag(100). <i>Physical Review B</i> , 2002, 66, . | 1.1 | 17 |

| # | ARTICLE | IF | CITATIONS |
|-----|--|-----|-----------|
| 91 | Dynamics of the interaction of O ₂ with stepped and damaged Ag surfaces. <i>Journal of Physics Condensed Matter</i> , 2002, 14, 6065-6079. | 0.7 | 12 |
| 92 | Dynamics of the gas-surface interaction in presence of well defined defects. <i>Surface Science</i> , 2002, 502-503, 331-340. | 0.8 | 16 |
| 93 | Formation of channels for oxygen migration towards subsurface sites by CO oxidation and growth of the surface oxide phase on Ag(). <i>Surface Science</i> , 2002, 506, 213-222. | 0.8 | 23 |
| 94 | Substrate reconstruction and electronic surface states: Ag(001). <i>Surface Science</i> , 2001, 486, 65-72. | 0.8 | 20 |
| 95 | Formation of d-holes in the initial stages of the oxidation of Ag(001). <i>Europhysics Letters</i> , 2001, 53, 544-550. | 0.7 | 15 |
| 96 | Oxygen interaction with disordered and nanostructured Ag(001) surfaces. <i>Journal of Chemical Physics</i> , 2001, 115, 3346-3355. | 1.2 | 47 |
| 97 | Negative ion resonances of O ₂ adsorbed on Ag surfaces. <i>Journal of Physics Condensed Matter</i> , 2000, 12, R53-R82. | 0.7 | 11 |
| 98 | Effect of surface interband transitions on surface plasmon dispersion: O/Ag(001). <i>Physical Review B</i> , 2000, 61, 7324-7327. | 1.1 | 20 |
| 99 | Phase transition of dissociatively adsorbed oxygen on Ag(001). <i>Physical Review B</i> , 2000, 61, 213-227. | 1.1 | 108 |
| 100 | Growth of ultrathin nanostructured Ag films on Si(111) 7 \times 7: a SPA-LEED study. <i>Surface Science</i> , 2000, 463, 22-28. | 0.8 | 13 |
| 101 | Tuning surface reactivity by in situ surface nanostructuring. <i>Journal of Chemical Physics</i> , 2000, 112, 6840-6843. | 1.2 | 43 |
| 102 | Influence of Rotational Energy on Adsorption Probability for a Physisorbed System: C ₂ H ₄ on Ag(001). <i>Physical Review Letters</i> , 1999, 82, 4878-4881. | 2.9 | 45 |
| 103 | Plasmon Confinement in Ultrathin Continuous Ag Films. <i>Physical Review Letters</i> , 1999, 83, 2238-2241. | 2.9 | 74 |
| 104 | K adsorption on Ag(110): effect on surface structure and surface electronic excitations. <i>Surface Science</i> , 1999, 424, 62-73. | 0.8 | 12 |
| 105 | Collective excitations of thin films of disordered potassium adsorbed on Ag(110). <i>Surface Science</i> , 1999, 424, 55-61. | 0.8 | 6 |
| 106 | Influence of surface interband transitions on surface plasmon dispersion: K/Ag(110). <i>Europhysics Letters</i> , 1998, 43, 433-438. | 0.7 | 14 |
| 107 | Collision induced desorption and dissociation of O ₂ chemisorbed on Ag(001). <i>Journal of Chemical Physics</i> , 1998, 109, 2490-2502. | 1.2 | 33 |
| 108 | ELS-LEED study of electronic excitations on Ag(110) and Ag(111). <i>Surface Science</i> , 1997, 388, 24-32. | 0.8 | 28 |

| # | ARTICLE | IF | CITATIONS |
|-----|---|-----|-----------|
| 109 | Resonant electron scattering of physisorbed O ₂ on Ag(111). Surface Science, 1996, 368, 38-42. | 0.8 | 9 |
| 110 | Evidence for the presence of the multipole plasmon mode on Ag surfaces. Physical Review B, 1996, 54, R14333-R14336. | 1.1 | 35 |
| 111 | Low-energy EELS investigation of surface electronic excitations on metals. Surface Science Reports, 1995, 22, 1-71. | 3.8 | 245 |
| 112 | Surface plasmon dispersion and damping on Ag(111). Physical Review B, 1995, 52, 14947-14953. | 1.1 | 37 |
| 113 | The influence of d electrons on surface plasmon dispersion: Pd(110). Journal of Physics Condensed Matter, 1995, 7, L611-L618. | 0.7 | 9 |
| 114 | Anisotropy of surface plasmons in metals. Surface Science, 1995, 336, 371-376. | 0.8 | 15 |
| 115 | Oxygen adsorption on Ag(111). Surface Science, 1995, 339, 291-296. | 0.8 | 55 |
| 116 | Low-temperature dissociation of O ₂ on Ag(110): Surface disorder and reconstruction. Physical Review B, 1994, 49, 5113-5116. | 1.1 | 66 |
| 117 | Selective adsorption and desorption of electrons from image potential states. Physical Review Letters, 1994, 73, 822-825. | 2.9 | 18 |
| 118 | LEED fine structures and trapping phenomena in inelastic scattering of electrons off Ag(001) and Ag(110). Physical Review B, 1994, 50, 18621-18628. | 1.1 | 6 |
| 119 | Initial sticking coefficient of O ₂ on Ag(110). Journal of Chemical Physics, 1994, 101, 713-725. | 1.2 | 125 |
| 120 | Influence of electron reflectivity on the analysis of surface processes: O ₂ -Ag(110). Physical Review B, 1994, 49, 14744-14745. | 1.1 | 10 |
| 121 | Azimuthal dependence of sticking probability of O ₂ on Ag(110). Physical Review Letters, 1994, 72, 510-513. | 2.9 | 64 |
| 122 | Coverage dependence of sticking coefficient of O ₂ on Ag(110). Journal of Chemical Physics, 1994, 101, 726-730. | 1.2 | 40 |
| 123 | Anharmonic shift in the stretching frequency of O ₂ chemisorbed on Ag (110). Surface Science, 1994, 314, L904-L908. | 0.8 | 40 |
| 124 | Coverage dependence of the O-Ag (110) vibration. Surface Science, 1994, 317, L1120-L1123. | 0.8 | 26 |
| 125 | Adsorption of molecular oxygen on Ag(110). Journal of Electron Spectroscopy and Related Phenomena, 1993, 64-65, 577-581. | 0.8 | 12 |
| 126 | EELS cross-section of surface phonons on Ag(001). Nuovo Cimento Della Societa Italiana Di Fisica D - Condensed Matter, Atomic, Molecular and Chemical Physics, Biophysics, 1993, 15, 493-499. | 0.4 | 2 |

| # | ARTICLE | IF | CITATIONS |
|-----|--|-----|-----------|
| 127 | Electronic excitations on silver single crystal surfaces. <i>Surface Science</i> , 1993, 287-288, 770-775. | 0.8 | 24 |
| 128 | Interface plasmon excitations of superlattices with defects. <i>Journal of Physics Condensed Matter</i> , 1993, 5, 6597-6606. | 0.7 | 3 |
| 129 | Surface plasmon on Ag(110): Observation of linear and positive dispersion and strong azimuthal anisotropy. <i>Physical Review Letters</i> , 1992, 69, 2122-2125. | 2.9 | 75 |
| 130 | Temperature dependence of surface plasmons on Ag(001). <i>Physical Review B</i> , 1992, 45, 1399-1402. | 1.1 | 49 |
| 131 | Plasmon damping and surface interband transitions on Ag(001) and (011). <i>Surface Science</i> , 1992, 269-270, 560-562. | 0.8 | 13 |
| 132 | High-resolution electron energy-loss spectroscopy analysis of Ag(001): discovery of a new surface longitudinal mode using first-principles phonon calculations. <i>Surface Science</i> , 1991, 250, L389-L394. | 0.8 | 16 |
| 133 | Apparatus for adsorption studies. <i>Review of Scientific Instruments</i> , 1991, 62, 2172-2176. | 0.6 | 74 |
| 134 | Comment on "Surface-plasmon energy and dispersion on Ag single crystals". <i>Physical Review Letters</i> , 1991, 67, 3197-3197. | 2.9 | 53 |
| 135 | Initial sticking coefficient of O ₂ on Ag (001). <i>Journal of Electron Spectroscopy and Related Phenomena</i> , 1990, 54-55, 131-141. | 0.8 | 18 |
| 136 | Angular dependence of dipole scattering cross section: Surface-plasmon losses on Ag(100). <i>Physical Review Letters</i> , 1990, 64, 2398-2401. | 2.9 | 96 |
| 137 | Rayleigh wave dispersion on Ag(100) along the Γ 100 direction. <i>Physical Review B</i> , 1990, 41, 12905-12907. | 1.1 | 24 |
| 138 | Surface-plasmon spectrum of Ag(001) measured by high-resolution angle-resolved electron-energy-loss spectroscopy. <i>Physical Review B</i> , 1990, 42, 2835-2841. | 1.1 | 67 |
| 139 | Adsorption distance of S on Ni(001): An electron-energy-loss-spectroscopy cross-section analysis of the Ni(001)-c(2 $\sqrt{3}$ ×2)S system. <i>Physical Review B</i> , 1989, 39, 3116-3124. | 1.1 | 22 |
| 140 | The phonon spectrum of Ag(100) in the direction measured by EELS. <i>Surface Science</i> , 1989, 216, 153-159. | 0.8 | 12 |
| 141 | Phonon dispersion of the (22) phase of carbon on the reconstructed Ni(100) surface. <i>Physical Review B</i> , 1987, 35, 9510-9519. | 1.1 | 47 |
| 142 | EELS study of the dynamics of clean Ni(100): Surface phonons and surface resonances. <i>Surface Science</i> , 1986, 171, 632-642. | 0.8 | 51 |
| 143 | Surface Phonon Dispersion of Ordered Overlayers. <i>Studies in Surface Science and Catalysis</i> , 1986, 26, 29-44. | 1.5 | 0 |
| 144 | Adsorbate Induced Reconstruction of Ni (100). <i>Studies in Surface Science and Catalysis</i> , 1986, , 45-54. | 1.5 | 0 |

| # | ARTICLE | IF | CITATIONS |
|-----|--|-----|-----------|
| 145 | Surface phonon dispersion of ordered overlayers. Journal of Electron Spectroscopy and Related Phenomena, 1986, 38, 29-44. | 0.8 | 28 |
| 146 | Adsorbate induced reconstruction of Ni (100). Journal of Electron Spectroscopy and Related Phenomena, 1986, 38, 45-54. | 0.8 | 18 |
| 147 | Surface phonon dispersion of $c(2\sqrt{2}\times 2)$ S on Ni(100). Physical Review B, 1985, 31, 3477-3485. | 1.1 | 51 |
| 148 | Energy Dependence of Inelastic Electron Scattering Cross Section by Surface Vibrations: Experimental Measurement and Theoretical Interpretation. Physical Review Letters, 1985, 54, 1171-1174. | 2.9 | 103 |
| 149 | The influence of random oxygen adsorption on the surface dynamics of Ni(100). Surface Science, 1985, 163, L738-L744. | 0.8 | 20 |
| 150 | The Rayleigh phonon dispersion curve on Ni(100) in the $(\tilde{\alpha}\sim 100\tilde{\alpha}\%)$ direction. Surface Science, 1984, 138, L123-L128. | 0.8 | 36 |
| 151 | Study of the Ag(110) surface by He diffraction. Surface Science, 1983, 126, 695-701. | 0.8 | 33 |
| 152 | Quasi-elastic scattering of neon from (001)LiF surface. Surface Science, 1983, 124, 571-582. | 0.8 | 3 |
| 153 | Accurate He-Ag(110) interaction potential determination by selective adsorption. Surface Science, 1982, 120, L447-L452. | 0.8 | 53 |
| 154 | Atom-surface elastic scattering with additive potential. Surface Science, 1982, 121, L507-L512. | 0.8 | 5 |