Andrei Borisov

List of Publications by Year
in descending order

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185 papers	10,118 citations	50170 46 h-index	37111 96 g-index
185 all docs	185 docs citations	185 times ranked	6837 citing authors

#	Article	IF	Citations
1	Revealing the quantum regime in tunnelling plasmonics. Nature, 2012, 491, 574-577.	13.7	939
2	Bridging quantum and classical plasmonics with a quantum-corrected model. Nature Communications, 2012, 3, 825.	5.8	797
3	Bound States in the Continuum in Photonics. Physical Review Letters, 2008, 100, 183902.	2.9	670
4	Quantum mechanical effects in plasmonic structures with subnanometre gaps. Nature Communications, 2016, 7, 11495.	5.8	605
5	Omnidirectional absorption in nanostructured metal surfaces. Nature Photonics, 2008, 2, 299-301.	15.6	430
6	Quantum Plasmonics: Nonlinear Effects in the Field Enhancement of a Plasmonic Nanoparticle Dimer. Nano Letters, 2012, 12, 1333-1339.	4.5	424
7	Atomistic Near-Field Nanoplasmonics: Reaching Atomic-Scale Resolution in Nanooptics. Nano Letters, 2015, 15, 3410-3419.	4.5	257
8	Optical Spectroscopy of Conductive Junctions in Plasmonic Cavities. Nano Letters, 2010, 10, 3090-3095.	4.5	221
9	Electronic Excitations in Metals and at Metal Surfaces. Chemical Reviews, 2006, 106, 4160-4206.	23.0	218
10	Robust Subnanometric Plasmon Ruler by Rescaling of the Nonlocal Optical Response. Physical Review Letters, 2013, 110, 263901.	2.9	198
11	A classical treatment of optical tunneling in plasmonic gaps: extending the quantum corrected model to practical situations. Faraday Discussions, 2015, 178, 151-183.	1.6	151
12	Quantum effects and nonlocality in strongly coupled plasmonic nanowire dimers. Optics Express, 2013, 21, 27306.	1.7	149
13	Quantum Scattering of Fast Atoms and Molecules on Surfaces. Physical Review Letters, 2007, 98, 016104.	2.9	140
14	Dynamical resonant electron capture in atom surface collisions:Hâ^formation in H-Al(111) collisions. Physical Review Letters, 1992, 68, 2842-2845.	2.9	131
15	Ultrafast electronic response of graphene to a strong and localized electric field. Nature Communications, 2016, 7, 13948.	5.8	125
16	Resonant charge transfer in ionâ€“metal surface collisions: Effect of a projected band gap in theHâ^â^Cu(111)system. Physical Review B, 1999, 59, 10935-10949.	1.1	124
17	Nanooptics of Plasmonic Nanomatryoshkas: Shrinking the Size of a Coreâ€“Shell Junction to Subnanometer. Nano Letters, 2015, 15, 6419-6428.	4.5	119
18	Long-Lived Excited States at Surfaces:Cs/Cu(111)andCs/Cu(100)Systems. Physical Review Letters, 2001, 86, 488-491.	2.9	111

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19	Tunneling Mechanism of Light Transmission through Metallic Films. Physical Review Letters, 2005, 95, 067403.	2.9	107
20	High Fractions of Negative Ions in Grazing Scattering of Fast Oxygen Atoms from a LiF(100) Surface. Physical Review Letters, 1995, 75, 2292-2295.	2.9	105
21	Localization of the Cu(111) Surface State by Single Cu Adatoms. Physical Review Letters, 2004, 93, 206803.	2.9	100
22	The Morphology of Narrow Gaps Modifies the Plasmonic Response. ACS Photonics, 2015, 2, 295-305.	3.2	99
23	Resonant charge transfer in grazing scattering of alkali-metal ions from an Al(111) surface. Physical Review B, 1996, 54, 17166-17174.	1.1	92
24	Amplitude- and Phase-Resolved Near-Field Mapping of Infrared Antenna Modes by Transmission-Mode Scattering-Type Near-Field Microscopy. Journal of Physical Chemistry C, 2010, 114, 7341-7345.	1.5	91
25	Effect of metal band characteristics on resonant electron capture:Hâ¯formation in the scattering of hydrogen ions on Mg, Al, and Ag surfaces. Physical Review B, 1997, 55, 13869-13877.	1.1	86
26	Role of the 2D Surface State Continuum and Projected Band Gap in Charge Transfer in Front of a Cu(111) Surface. Physical Review Letters, 2000, 84, 2517-2520.	2.9	86
27	Sub-femtosecond electron transport in a nanoscale gap. Nature Physics, 2020, 16, 341-345.	6.5	86
28	Stabilisation of alkali-adsorbate-induced states on Cu(111) surfaces. Surface Science, 1999, 430, 165-175.	0.8	83
29	Lifetime of excited electronic states at surfaces:â€ƒComparison between the alkali/Cu(111) systems. Physical Review B, 2002, 65, .	1.1	83
30	Diabatic Energy Level Confluence: The Mechanism of Negative Ion Conversion of Neutral Atoms in Grazing Scattering from Insulator Surfaces. Physical Review Letters, 1996, 77, 1893-1896.	2.9	79
31	Finite Time Effect in the Charge Transfer Process during an Ion-Metal Surface Collision. Physical Review Letters, 1998, 80, 1996-1999.	2.9	74
32	Threshold in the Stopping of Slow Protons Scattered from the Surface of a Wide-Band-Gap Insulator. Physical Review Letters, 1998, 81, 4831-4834.	2.9	72
33	Electronic potential of a chemisorption interface. Physical Review B, 2008, 78, .	1.1	70
34	Charge transfer in atom-surface collisions: effect of the presence of adsorbates on the surface. Journal of Physics Condensed Matter, 1998, 10, 6585-6619.	0.7	68
35	Active quantum plasmonics. Science Advances, 2015, 1, e1501095.	4.7	66
36	Effect of an Atomically Thin Dielectric Film on the Surface Electron Dynamics: Image-Potential States in theAr/Cu(100)System. Physical Review Letters, 2002, 89, 046802.	2.9	64

#	Article	IF	Citations
37	Time-dependent density-functional calculation of the stopping power for protons and antiprotons in metals. Physical Review A, 2007, 75, .	1.0	63
38	Excited states in the alkali/noble metal surface systems: A model system for the study of charge transfer dynamics at surfaces. Progress in Surface Science, 2007, 82, 244-292.	3.8	63
39	Nonadiabatic effects in atom-surface charge transfer. Physical Review B, 2005, 71, .	1.1	60
40	Theory of negative-ion conversion of neutral atoms in grazing scattering from alkali halide surfaces. Physical Review B, 1997, 56, 10628-10643.	1.1	59
41	Plexciton Quenching by Resonant Electron Transfer from Quantum Emitter to Metallic Nanoantenna. Nano Letters, 2013, 13, 5972-5978.	4.5	53
42	Hâ˜ formation by electron capture in hydrogen-Al(111) collisions: perturbative and nonperturbative approaches. Surface Science, 1992, 278, 99-110.	0.8	49
43	Negative ion formation in the scattering of atoms and ions from dielectric surfaces. Journal of Physics Condensed Matter, 2000, 12, R177-R206.	0.7	49
44	Formation of negative ions in grazing scattering from insulator surfaces. Physical Review A, 1998, 57, 351-361.	1.0	48
45	Singlet-to-triplet conversion in low energy metastable helium-metal surface collisions. Surface Science, 1993, 284, 337-348.	0.8	46
46	Hâ˜ formation in the scattering of hydrogen ions on an Al surface. Surface Science, 1996, 364, L568-L574.	0.8	46
47	Auger transition rates for the neutralization of He+ ions in front of an aluminium surface. Surface Science, 1998, 406, L607-L613.	0.8	44
48	Formation of negative ions from fluorine projectiles scattered off a MgO(100) surface: Theory. Physical Review A, 1999, 59, 4446-4455.	1.0	44
49	Quantum size effect in the resonant electron transfer between an ion and a thin metal film. Physical Review B, 2001, 64, .	1.1	42
50	Role of electromagnetic trapped modes in extraordinary transmission in nanostructured materials. Physical Review B, 2005, 71, .	1.1	42
51	Plasmon Response and Electron Dynamics in Charged Metallic Nanoparticles. Langmuir, 2016, 32, 2829-2840.	1.6	42
52	Combined experimental and theoretical study of fast atom diffraction on the<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:msub><mml:mi>Î²</mml:mi><mml:mn>2</mml:mn></mml:msub><mml:m GaAs(001) surface. Physical Review B, 2014, 90, .	1.1	41
53	Energy and lifetime of one-electron multicharged-ion states in front of an Al surface. Physical Review A, 1996, 53, 2457-2465.	1.0	40
54	Building up the screening below the femtosecond scale. Chemical Physics Letters, 2004, 387, 95-100.	1.2	39

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55	Interaction Between Overlapping Quasi-Stationary States: He (2 ¹ S and 2) Tj ETQq1 1 0.784314 rgBT /Overlock	0.7	37
56	Evidence forFâ^'Formation by Simultaneous Double-Electron Capture during Scattering ofF+from a LiF(001) Surface. Physical Review Letters, 2002, 89, 043201.	2.9	37
57	Resonant Coherent Excitation of Fast Hydrogen Atoms in Front of a LiF(001) Surface. Physical Review Letters, 1997, 79, 4477-4480.	2.9	35
58	Femtosecond dynamics of the laser-excited Cs/Cu(111) system:â€ƒInterplay of the electronic and nuclear evolutions. Physical Review B, 2001, 64, .	1.1	34
59	Resonant and nonresonant processes in attosecond streaking from metals. Physical Review B, 2013, 87, .	1.1	33
60	Long-lived adsorbate states on metal surfaces. Faraday Discussions, 2000, 117, 15-25.	1.6	32
61	Determination of the geometric corrugation of graphene on SiC(0001) by grazing incidence fast atom diffraction. Applied Physics Letters, 2015, 106, 101902.	1.5	32
62	Solution of the radial SchrÃ¶dinger equation in cylindrical and spherical coordinates by mapped Fourier transform algorithms. Journal of Chemical Physics, 2001, 114, 7770-7777.	1.2	31
63	Wave packet propagation study of the charge transfer interaction in the Fâ^'â€“Cu(111) and â€“Ag(111) systems. Surface Science, 2001, 487, 243-257.	0.8	31
64	<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mi>Ï€</mml:mi></mml:math>Resonance of Chemisorbed Alkali Atoms on Noble Metals. Physical Review Letters, 2008, 101, 266801.	2.9	30
65	Role of electron tunneling in the nonlinear response of plasmonic nanogaps. Physical Review B, 2018, 97, .	1.1	30
66	Resonances induced by Cs adsorbates on Cu(100): Localization of image potential states. Physical Review B, 2002, 65, .	1.1	29
67	Transition from fast to slow atom diffraction. Physical Review A, 2012, 86, .	1.0	29
68	Transient Quantum Trapping of Fast Atoms at Surfaces. Physical Review Letters, 2014, 112, 023203.	2.9	29
69	Evidence for the Stopping of Slow Ions by Excitations of Optical Phonons in Insulators. Physical Review Letters, 1999, 83, 5378-5381.	2.9	28
70	Probing Adsorbate State Lifetime with Low Energy Ions. Physical Review Letters, 2004, 92, 156101.	2.9	28
71	Li+ neutralisation in back-scattering from alkali/Al(100) surfaces: comparison between the various alkalis. Surface Science, 1998, 401, 206-219.	0.8	27
72	Lifetime of excited electronic states at surfaces: COâ^'(2Ï€*) resonance on Cu(111) and Cu(100) surfaces. Surface Science, 2001, 490, 99-115.	0.8	27

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73	Scattering by alkali adsorbates as a decay mechanism for image potential states on Cu surfaces. Surface Science, 2002, 505, 260-270.	0.8	26
74	Lifetimes of the image-state resonances at metal surfaces. Physical Review B, 2006, 73, .	1.1	26
75	Engineering the emission of light from a scanning tunneling microscope using the plasmonic modes of a nanoparticle. Physical Review B, 2016, 93, .	1.1	26
76	Localization, splitting, and mixing of field emission resonances induced by alkali metal clusters on Cu(100). Physical Review B, 2011, 83, .	1.1	25
77	Effect of the projected band gap on the formation of negative ions in grazing collisions from Cu surfaces. Faraday Discussions, 2000, 117, 27-40.	1.6	24
78	Decay and dephasing of the Cu(100) image states induced by Cu adatoms. Physical Review B, 2004, 70, .	1.1	24
79	Impurity-induced localisation of the 2D surface-state continuum on a metal surface. Applied Physics A: Materials Science and Processing, 2004, 78, 141-147.	1.1	24
80	Ionization of Rydberg atoms colliding with a metal surface. Physical Review A, 2006, 73, .	1.0	24
81	Complete negative-ion conversion of halogen atoms and positive ions in surface scattering from KI(100). Physical Review A, 1996, 54, 2486-2488.	1.0	23
82	Parallel velocity assisted charge transfer: Fâ˜ ion formation at Al(111) and Ag(110) surfaces. Surface Science, 1999, 429, 46-53.	0.8	22
83	Subsurface-Channeling-Like Energy Loss Structure of the Skipping Motion on an Ionic Crystal. Physical Review Letters, 2000, 85, 3137-3140.	2.9	22
84	Electron Bihole Complex Formation in Neutralization ofNe+on LiF(001). Physical Review Letters, 2001, 86, 5699-5702.	2.9	22
85	Dephasing and population decay of the Cu and image potential states induced by scattering on low coverage alkali adsorbates. Surface Science, 2003, 526, 72-84.	0.8	22
86	Lanczos pseudospectral method for initial-value problems in electrodynamics and its applications to ionic crystal gratings. Journal of Computational Physics, 2005, 209, 643-664.	1.9	22
87	Trapped Electromagnetic Modes and Scaling in the Transmittance of Perforated Metal Films. Physical Review Letters, 2006, 97, 067403.	2.9	22
88	Second harmonic generation from arrays of subwavelength cylinders. Physical Review B, 2007, 76, .	1.1	22
89	Quantum-well resonances and image states in the Ar/Cu() system. Surface Science, 2003, 540, 457-473.	0.8	21
90	Li+ neutralization as a probe of the local electronic potential in Li+-alkali covered metal surface collisions. Surface Science, 1997, 375, L367-L374.	0.8	20

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91	Oâ˜formation in grazing scattering from an Al(111) surface. Physical Review B, 1998, 57, 12579-12587.	1.1	20
92	Effect of various adsorbates in dephasing and population decay of the Cu(100) image potential states. Surface Science, 2003, 540, 407-419.	0.8	20
93	Singlet to triplet conversion in low energy metastable helium-metal surface collisions: Auger deexcitation process. Surface Science, 1995, 325, 323-335.	0.8	19
94	Resonant charge transfer in Li+ collisions on a metal surface: geometrical size of the perturbation introduced by an alkali impurity. Surface Science, 2000, 445, 430-447.	0.8	19
95	Analysis of the population of continuum states in wave packet propagation calculations. Journal of Physics B: Atomic, Molecular and Optical Physics, 2004, 37, 1593-1603.	0.6	19
96	Surface projected electronic band structure and adsorbate charge transfer dynamics: Ar adsorbed on Cu(111) and Cu(100). Chemical Physics Letters, 2006, 427, 91-95.	1.2	19
97	Image potential states of supported metallic nanoislands. Physical Review B, 2007, 76, .	1.1	19
98	Attostreaking with metallic nano-objects. New Journal of Physics, 2012, 14, 023036.	1.2	19
99	Quantum effects in the optical response of extended plasmonic gaps: validation of the quantum corrected model in core-shell nanomatryushkas. Optics Express, 2015, 23, 8134.	1.7	19
100	Singlet to triplet conversion in low energy He metastable collisions with metal surfaces: conversion via He+ formation. Surface Science, 1995, 339, 182-188.	0.8	18
101	Neutralization of Na + -ions in grazing scattering from the surface of thin Al-films. Zeitschrift FÃ¼r Physik D-Atoms Molecules and Clusters, 1996, 37, 263-268.	1.0	18
102	Negative-ion conversion of fluorine atoms in grazing scattering from a LiF(001) surface: â€ƒA coupled cluster approach. Physical Review B, 2001, 63, .	1.1	18
103	Excited electron transfer between a core-excitedAr*(2p3â^•2â^'14s)atom and the metal substrate in theArâ^•Cu(111)system. Physical Review B, 2004, 69, .	1.1	18
104	Wave packet propagation by the Faber polynomial approximation in electrodynamics of passive media. Journal of Computational Physics, 2006, 216, 391-402.	1.9	18
105	Excited states of Na nanoislands on the Cu(111) surface. Physical Review B, 2007, 75, .	1.1	18
106	Electron Propagation along Cu Nanowires Supported on a Cu(111) Surface. Nano Letters, 2008, 8, 2712-2717.	4.5	18
107	Lifetimes of quantum well states and resonances in Pb overlayers on Cu(111). Physical Review B, 2009, 80, .	1.1	18
108	Fast atom diffraction inside a molecular beam epitaxy chamber, a rich combination. Applied Surface Science, 2017, 391, 53-58.	3.1	18

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109	Effect of projected band gap on neutralization of Cs ions during grazing scattering from a Cu(111) surface. Physical Review A, 2003, 68, .	1.0	17
110	Momentum-resolved electron dynamics of image-potential states on Cu and Ag surfaces. Physical Review B, 2012, 85, .	1.1	17
111	Active control of ultrafast electron dynamics in plasmonic gaps using an applied bias. Physical Review B, 2020, 101, .	1.1	17
112	Electron detachment processes inHâ^'grazing scattering from a LiF(001) surface. Physical Review B, 2000, 62, 4265-4268.	1.1	16
113	Lifetime of electronic excitations in metal nanoparticles. New Journal of Physics, 2010, 12, 053023.	1.2	16
114	Image states on a free-electron metal surface covered by an atomically thin insulator layer. Surface Science, 2003, 528, 78-83.	0.8	15
115	Extraordinary Electron Propagation Length in a Metallic Double Chain Supported on a Metal Surface. Physical Review Letters, 2009, 102, 166807.	2.9	15
116	Surface-grating deflection of fast atom beams. Physical Review A, 2013, 88, .	1.0	15
117	Dynamics of electron-emission currents in plasmonic gaps induced by strong fields. Faraday Discussions, 2019, 214, 147-157.	1.6	15
118	Detailed study on the neutralization of fast Na + -ions in grazing collisions with an Al(111) surface. Europhysics Letters, 1996, 33, 229-234.	0.7	14
119	Formation of negative halogen ions in grazing scattering from an Al(111) surface: Multielectron effects. Physical Review B, 1999, 59, 8218-8231.	1.1	14
120	Scattering of alkali atoms and ions from alkali-halide surfaces: No evidence found for electronic surface states within the band gap of the insulator. Physical Review A, 1997, 55, R846-R848.	1.0	13
121	A Scanning Tunneling Microscope as a Tunable Nanoantenna for Atomic Scale Control of Optical-Field Enhancement. Nano Letters, 2010, 10, 3857-3862.	4.5	13
122	Refraction of Fast Ne Atoms in the Attractive Well of a LiF(001) Surface. Journal of Physical Chemistry Letters, 2020, 11, 4564-4569.	2.1	13
123	Mapping Lamb, Stark, and Purcell Effects at a Chromophore-Picocavity Junction with Hyper-Resolved Fluorescence Microscopy. Physical Review X, 2022, 12, .	2.8	13
124	Dimensionality effects in time-dependent screening. Chemical Physics Letters, 2004, 393, 132-137.	1.2	12
125	Lifetime of an adsorbate excitation modified by a tunable two-dimensional substrate. Physical Review B, 2008, 78, .	1.1	12
126	When fast atom diffraction turns 3D. Nuclear Instruments & Methods in Physics Research B, 2013, 317, 83-89.	0.6	12

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127	Theoretical study of the effect of beam misalignment in fast-atom diffraction at surfaces. Physical Review A, 2013, 87, .	1.0	12
128	Vicinage effect in the energy loss of H2 dimers: Experiment and calculations based on time-dependent density-functional theory. Physical Review A, 2017, 95, .	1.0	12
129	Ground- and excited-state scattering potentials for the stopping of protons in an electron gas. Journal of Physics B: Atomic, Molecular and Optical Physics, 2017, 50, 185201.	0.6	12
130	Second-Harmonic Generation from a Quantum Emitter Coupled to a Metallic Nanoantenna. ACS Photonics, 2020, 7, 701-713.	3.2	12
131	Broadening of atomic levels near metal surfaces: first-order model versus coupled-angular-mode method. Surface Science, 1995, 338, L875-L881.	0.8	11
132	Fâ^'formation via simultaneous two-electron capture during grazing scattering ofF+ions from a LiF(001) surface. Physical Review B, 2003, 67, .	1.1	11
133	Broadening mechanisms for the adsorbate-induced resonance in the Na/Cu(111) and Cs/Cu(111) systems. Surface Science, 2005, 577, 47-58.	0.8	11
134	Theoretical study of the electronic excited states in ultrathin ionic layers supported on metal surfaces: NaCl/Cu(111). Physical Review B, 2011, 83, .	1.1	11
135	Theoretical study of electron confinement in Cu corrals on a Cu(111) surface. Physical Review B, 2008, 77, .	1.1	10
136	Optical resonances in the scattering of light from a nanostructured metal surface: A three-dimensional numerical study. Physical Review B, 2009, 79, .	1.1	10
137	Applications of the wave packet method to resonant transmission and reflection gratings. Journal of Computational Physics, 2004, 199, 742-762.	1.9	9
138	Scattering of Cu(100) image state electrons from single Cu adatoms and vacancies: A comparative study. Surface Science, 2006, 600, 2184-2194.	0.8	9
139	Excited electron dynamics in Cu nanowires supported on a Cu(111) surface. Physical Review B, 2009, 79, .	1.1	9
140	Dynamic screening and energy loss of antiprotons colliding with excited Al clusters. Nuclear Instruments & Methods in Physics Research B, 2013, 317, 56-60.	0.6	9
141	Quantum effects in the plasmon response of bimetallic core-shell nanostructures. Optics Express, 2016, 24, 23941.	1.7	9
142	Quantum description of the optical response of charged monolayerâ€“thick metallic patch nanoantennas. Physical Review B, 2017, 95, .	1.1	9
143	Attosecond Dynamics of <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mi>s</mml:mi><mml:mi>p</mml:mi></mml:math> -Band Photoexcitation. Physical Review Letters, 2019, 123, 176801.	2.9	9
144	Molecule Detection with Graphene Dimer Nanoantennas. Journal of Physical Chemistry C, 2020, 124, 28210-28219.	1.5	9

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145	The formation of excited secondary Si ions. Vacuum, 1990, 40, 461-466.	1.6	8
146	Image and adsorbate state dependence on the adsorbate coverage in the Na/Cu() system. Surface Science, 2003, 544, 309-319.	0.8	8
147	Quantum-size effects in the energy loss of charged particles interacting with a confined two-dimensional electron gas. Physical Review A, 2006, 73, .	1.0	8
148	Timeâ€dependent density functional calculation of the energy loss of antiprotons colliding with metallic nanoshells. Physica Status Solidi (A) Applications and Materials Science, 2008, 205, 1312-1316.	0.8	8
149	Comment on â€œPhase Contribution of Image Potential on Empty Quantum Well States in Pb Islands on the Cu(111) Surfaceâ€• Physical Review Letters, 2011, 106, 249601; author reply 249602.	2.9	8
150	Electronic Excitonâ€“Plasmon Coupling in a Nanocavity Beyond the Electromagnetic Interaction Picture. Nano Letters, 2021, 21, 8466-8473.	4.5	8
151	Resonant charge transfer in grazing atom-metal surface collisions: effect of the presence of steps on the surface. Surface Science, 1996, 366, L769-L774.	0.8	7
152	Image states on finite size adsorbate islands: Ar on Cu(100). Surface Science, 2006, 600, 825-834.	0.8	7
153	Linewidth of a cesium adatom resonance on Ag(111). Physical Review B, 2009, 79, .	1.1	7
154	Theoretical study of constant current scanning tunneling spectroscopy in Pb overlayers. Physical Review B, 2011, 84, .	1.1	7
155	Dynamics of Resonant Electron Transfer in the Interaction Between an Atom and a Metallic Surface. Springer Series in Chemical Physics, 2007, , 87-109.	0.2	7
156	Quantum surface effects in the electromagnetic coupling between a quantum emitter and a plasmonic nanoantenna: time-dependent density functional theory vs. semiclassical Feibelman approach. Optics Express, 2022, 30, 21159.	1.7	7
157	Na*(3p)-Formation under grazing scattering of Na+-ions at an Al(111) surface. Zeitschrift FÃ¼r Physik D-Atoms Molecules and Clusters, 1994, 30, 255-260.	1.0	6
158	Quantum-well states with image state character for Pb overlayers on Cu(111). Physical Review B, 2012, 86, .	1.1	6
159	Electron tunneling through water layer in nanogaps probed by plasmon resonances. Physical Review B, 2016, 93, .	1.1	6
160	Electronic Structure Effects in the Coupling of a Single Molecule with a Plasmonic Antenna. Journal of Physical Chemistry C, 2019, 123, 4446-4456.	1.5	6
161	Probing the Radiative Electromagnetic Local Density of States in Nanostructures with a Scanning Tunneling Microscope. ACS Photonics, 2020, 7, 1280-1289.	3.2	6
162	Effect of a surface Al adatom on the resonant charge transfer between an Hâ¯ ion and an Al() surface. Surface Science, 2002, 506, 145-160.	0.8	5

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163	Different quantization behaviors of electrons confined in nanostructures at surfaces. Physical Review B, 2007, 76, .	1.1	5
164	Green's function approach to the lifetimes of image potential resonances at metal surfaces. Physical Review B, 2013, 88, .	1.1	5
165	Electric Field-Induced High Order Nonlinearity in Plasmonic Nanoparticles Retrieved with Time-Dependent Density Functional Theory. ACS Photonics, 2017, 4, 613-620.	3.2	5
166	Ionization probability of atoms sputtered from metal surfaces. Surface Science, 1990, 227, L112-L114.	0.8	4
167	Decay and dephasing of image-state electrons induced by Cs adsorbates on Cu(100) at intermediate coverage. Physical Review B, 2007, 75, .	1.1	4
168	Effect of a Dielectric Spacer on Electronic and Electromagnetic Interactions at Play in Molecular Exciton Decay at Surfaces and in Plasmonic Gaps. ACS Photonics, 2021, 8, 3495-3505.	3.2	4
169	The wave packet propagation using wavelets. Chemical Physics Letters, 2002, 361, 15-20.	1.2	3
170	Mapping of the electron transmission through the wall of a quantum corral. Surface Science, 2009, 603, 2074-2081.	0.8	3
171	Clustering and conductance in breakage of sodium nanowires. Physical Review B, 2011, 83, .	1.1	2
172	Dynamic screening of a localized hole during photoemission from a metal cluster. Nanoscale Research Letters, 2012, 7, 447.	3.1	2
173	Ultrafast Dynamics of Electronic Resonances in Molecules Adsorbed on Metal Surfaces: A Wave Packet Propagation Approach. Journal of Chemical Theory and Computation, 2021, 17, 639-654.	2.3	2
174	Plasmons in Graphene Nanostructures with Point Defects and Impurities. Journal of Physical Chemistry C, 0, , .	1.5	2
175	Atomic-scale control of plasmon modes in graphene nanoribbons. Physical Review B, 2022, 105, .	1.1	2
176	Position and lifetime of atomic states close to a metal: application to resonant charge transfer. Journal of Physics Condensed Matter, 1993, 5, A269-A272.	0.7	1
177	An application of the interpolating scaling functions to wave packet propagation. Computer Physics Communications, 2004, 160, 1-7.	3.0	1
178	Theoretical study of excited electronic states at surfaces, link with photo-emission and photo-desorption experiments. Journal of Physics: Conference Series, 2008, 133, 012009.	0.3	1
179	Electrical control of the light absorption in quantum-well functionalized junctions between thin metallic films. Physical Review B, 2017, 96, .	1.1	1
180	Controlling gap plasmons with quantum resonances. Physical Review B, 2018, 98, .	1.1	1

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181	Unveiling the anisotropic behavior of ultrafast electron transfer at the metal/organic interface. Applied Surface Science, 2021, 554, 149311.	3.1	1
182	Interferences between resonances localized in metal nanostructures supported on metal surfaces. Journal of Physics: Conference Series, 2009, 194, 132003.	0.3	0
183	Resonant anionic states of organic molecules adsorbed on metal surfaces. Journal of Physics: Conference Series, 2020, 1412, 202015.	0.3	0
184	Quantum effects in subnanometric-gap plasmonic antennas. , 2012, , .		0
185	Correction to â€œSecond-Harmonic Generation from a Quantum Emitter Coupled to a Metallic Nanoantennaâ€• ACS Photonics, 2022, 9, 1829-1829.	3.2	0