

Hrvoje Petek

List of Publications by Year in descending order

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199
papers

10,478
citations

29994

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242
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242
times ranked

7597
citing authors

#	ARTICLE	IF	CITATIONS
1	Femtosecond time-resolved two-photon photoemission studies of electron dynamics in metals. <i>Progress in Surface Science</i> , 1997, 56, 239-310.	3.8	664
2	Femtosecond Imaging of Surface Plasmon Dynamics in a Nanostructured Silver Film. <i>Nano Letters</i> , 2005, 5, 1123-1127.	4.5	431
3	Atomlike, Hollow-Core "Bound Molecular Orbitals of C ₆₀ . <i>Science</i> , 2008, 320, 359-362.	6.0	269
4	Femtosecond Microscopy of Surface Plasmon Polariton Wave Packet Evolution at the Silver/Vacuum Interface. <i>Nano Letters</i> , 2007, 7, 470-475.	4.5	264
5	Real-Time Observation of Adsorbate Atom Motion Above a Metal Surface. <i>Science</i> , 2000, 288, 1402-1404.	6.0	247
6	Wet Electrons at the H ₂ O/TiO ₂ (110) Surface. <i>Science</i> , 2005, 308, 1154-1158.	6.0	239
7	Self-energy and excitonic effects in the electronic and optical properties of TiO_2 phases. <i>Physical Review B</i> , 2010, 82, .	11.1	236
8	Plasmonic coupling at a metal/semiconductor interface. <i>Nature Photonics</i> , 2017, 11, 806-812.	15.6	232
9	Ultrafast Interfacial Proton-Coupled Electron Transfer. <i>Science</i> , 2006, 311, 1436-1440.	6.0	206
10	Phonon-Assisted Ultrafast Charge Transfer at van der Waals Heterostructure Interface. <i>Nano Letters</i> , 2017, 17, 6435-6442.	4.5	204
11	The birth of a quasiparticle in silicon observed in time-frequency space. <i>Nature</i> , 2003, 426, 51-54.	13.7	201
12	The electronic structure of oxygen atom vacancy and hydroxyl impurity defects on titanium dioxide (110) surface. <i>Journal of Chemical Physics</i> , 2009, 130, 124502.	1.2	197
13	Two-photon photoemission spectroscopy of TiO ₂ (110) surfaces modified by defects and O ₂ or H ₂ O adsorbates. <i>Physical Review B</i> , 2004, 70, .	1.1	190
14	Ultrafast Carrier Dynamics in Silicon: A Two-Color Transient Reflection Grating Study on a(111) Surface. <i>Physical Review Letters</i> , 1998, 81, 5664-5667.	2.9	186
15	Hot-electron dynamics at Cu(100), Cu(110), and Cu(111) surfaces: Comparison of experiment with Fermi-liquid theory. <i>Physical Review B</i> , 1997, 55, 10869-10877.	1.1	166
16	Collisional removal of CH ₂ (1A ₁): Absolute rate constants for atomic and molecular collisional partners at 295 K. <i>Journal of Chemical Physics</i> , 1983, 78, 6650-6659.	1.2	164
17	Phase and Energy Relaxation in an Antibonding Surface State: Cs/Cu(111). <i>Physical Review Letters</i> , 1999, 82, 1931-1934.	2.9	144
18	Image potential states in graphene. <i>Physical Review B</i> , 2009, 80, .	1.1	143

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19	Optical Dephasing in Cu(111) Measured by Interferometric Two-Photon Time-Resolved Photoemission. <i>Physical Review Letters</i> , 1997, 78, 1339-1342.	2.9	139
20	The Superatom States of Fullerenes and Their Hybridization into the Nearly Free Electron Bands of Fullerites. <i>ACS Nano</i> , 2009, 3, 853-864.	7.3	134
21	Solvated Electrons on Metal Oxide Surfaces. <i>Chemical Reviews</i> , 2006, 106, 4402-4427.	23.0	133
22	Ultrafast Dynamics of Photogenerated Holes at a CH ₃ OH/TiO ₂ Rutile Interface. <i>Journal of the American Chemical Society</i> , 2016, 138, 13740-13749.	6.6	126
23	Ultrafast electron-phonon decoupling in graphite. <i>Physical Review B</i> , 2008, 77, .	1.1	120
24	Visible absorption and magnetic rotation spectroscopy of 1CH ₂ : The analysis of the 1B ₁ state. <i>Journal of Chemical Physics</i> , 1987, 86, 1172-1188.	1.2	113
25	Plasmonic topological quasiparticle on the nanometre and femtosecond scales. <i>Nature</i> , 2020, 588, 616-619.	13.7	113
26	Transient excitons at metal surfaces. <i>Nature Physics</i> , 2014, 10, 505-509.	6.5	108
27	Is the nonradiative decay of S ₁ cis-stilbene due to the dihydrophenanthrene isomerization channel? Suggestive evidence from photophysical measurements on 1,2-diphenylcycloalkenes. <i>The Journal of Physical Chemistry</i> , 1990, 94, 7539-7543.	2.9	107
28	Excited state enol-keto tautomerization in salicylic acid: A supersonic free jet study. <i>Journal of Chemical Physics</i> , 1995, 103, 5290-5307.	1.2	106
29	Optical Phase Control of Coherent Electron Dynamics in Metals. <i>Physical Review Letters</i> , 1997, 79, 4649-4652.	2.9	106
30	Analysis of CH ₂ 1A ₁ (1,0,0) and (0,0,1) Coriolis-coupled states, 1A ₁ spin-orbit coupling, and the equilibrium structure of CH ₂ 1A ₁ state. <i>Journal of Chemical Physics</i> , 1989, 91, 6566-6578.	1.2	105
31	Visible absorption and magnetic rotation spectroscopy of 1CH ₂ : Analysis of the 1A ₁ state and the 1A ₁ -3B ₁ coupling. <i>Journal of Chemical Physics</i> , 1987, 86, 1189-1205.	1.2	95
32	SURFACEFEMTOCHEMISTRY: Observation and Quantum Control of Frustrated Desorption of Alkali Atoms from Noble Metals. <i>Annual Review of Physical Chemistry</i> , 2002, 53, 507-531.	4.8	95
33	Theoretical study of the molecular and electronic structure of methanol on a TiO ₂ surface. <i>Physical Review B</i> , 2009, 80, .	1.1	91
34	Hole Decoherence of Bands in Copper. <i>Physical Review Letters</i> , 1999, 83, 832-835.	2.9	89
35	Imaging of surface plasmon polariton fields excited at a nanometer-scale slit. <i>Physical Review B</i> , 2011, 84, .	1.1	88
36	A Molecular Switch Based on Current-Driven Rotation of an Encapsulated Cluster within a Fullerene Cage. <i>Nano Letters</i> , 2011, 11, 5327-5332.	4.5	82

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37	Coherent optical phonons in diamond. <i>Applied Physics Letters</i> , 2006, 89, 231916.	1.5	80
38	The Electronic Properties of Superatom States of Hollow Molecules. <i>Accounts of Chemical Research</i> , 2011, 44, 360-368.	7.6	80
39	Surface Femtochemistry: Frustrated Desorption of Alkali Atoms from Noble Metals. <i>Journal of Physical Chemistry B</i> , 2001, 105, 6767-6779.	1.2	78
40	The 2^1A_g state of trans,trans-1,3,5,7-octatetraene in free jet expansions. <i>Journal of Chemical Physics</i> , 1993, 98, 3777-3794.	1.2	77
41	Infrared flash kinetic spectroscopy: the .nu.1 and .nu.3 spectra of singlet methylene. <i>The Journal of Physical Chemistry</i> , 1983, 87, 5367-5371.	2.9	75
42	Ultrafast Interfacial Proton-Coupled Electron Transfer. <i>Chemical Reviews</i> , 2010, 110, 7082-7099.	23.0	75
43	Models for stilbene photoisomerization: experimental and theoretical studies of the excited-state dynamics of 1,2-diphenylcycloalkenes. <i>The Journal of Physical Chemistry</i> , 1991, 95, 2845-2858.	2.9	73
44	Femtosecond microscopy of localized and propagating surface plasmons in silver gratings. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 2007, 40, S259-S272.	0.6	72
45	Photofragmentation dynamics of ketene at 308 nm: Initial vibrational and rotational state distributions of CO product by vacuum UV laser-induced fluorescence. <i>Journal of Chemical Physics</i> , 1985, 83, 223-229.	1.2	71
46	Fluorescence excitation spectra of the S1 states of isolated trienes. <i>Journal of Chemical Physics</i> , 1992, 96, 2412-2415.	1.2	71
47	Ultrafast Photoemission Electron Microscopy: Imaging Plasmons in Space and Time. <i>Chemical Reviews</i> , 2020, 120, 6247-6287.	23.0	71
48	Electronic potential of a chemisorption interface. <i>Physical Review B</i> , 2008, 78, .	1.1	70
49	Level Alignment of a Prototypical Photocatalytic System: Methanol on TiO ₂ (110). <i>Journal of the American Chemical Society</i> , 2013, 135, 11429-11432.	6.6	68
50	The electronic structure of methanol covered TiO ₂ (110) surfaces. <i>Surface Science</i> , 2005, 593, 32-37.	0.8	64
51	Mechanisms of High-Order Perturbative Photoemission from Cu(001). <i>Physical Review Letters</i> , 2006, 96, 087601.	2.9	63
52	Frequency comb generation at terahertz frequencies by coherent phonon excitation in silicon. <i>Nature Photonics</i> , 2012, 6, 243-247.	15.6	60
53	Quasiparticle Level Alignment for Photocatalytic Interfaces. <i>Journal of Chemical Theory and Computation</i> , 2014, 10, 2103-2113.	2.3	60
54	Ultrafast Plasmon-Enhanced Hot Electron Generation at Ag Nanocluster/Graphite Heterojunctions. <i>Journal of the American Chemical Society</i> , 2017, 139, 6160-6168.	6.6	59

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55	The role of Auger decay in hot electron excitation in copper. <i>Chemical Physics</i> , 2000, 251, 71-86.	0.9	58
56	Tunneling spectroscopy of Stark-shifted image potential states on Cu and Au surfaces. <i>Physical Review B</i> , 2007, 76, .	1.1	57
57	Photoexcitation of adsorbates on metal surfaces: One-step or three-step. <i>Journal of Chemical Physics</i> , 2012, 137, 091704.	1.2	56
58	Ultrafast interferometric pump-probe correlation measurements in systems with broadened bands or continua. <i>Journal of the Optical Society of America B: Optical Physics</i> , 2000, 17, 1443.	0.9	54
59	Ultrafast Microscopy: Imaging Light with Photoelectrons on the Nano-Femto Scale. <i>Journal of Physical Chemistry Letters</i> , 2017, 8, 4446-4455.	2.1	53
60	Femtosecond Time-Resolved Study of the Energy and Temperature Dependence of Hot-Electron Lifetimes in $\text{Bi}_2\text{Sr}_2\text{CaCu}_2\text{O}_8+\delta$. <i>Physical Review Letters</i> , 1998, 81, 4480-4483.	2.9	52
61	Coherent Phonon Anisotropy in Aligned Single-Walled Carbon Nanotubes. <i>Nano Letters</i> , 2008, 8, 3102-3108.	4.5	51
62	Interplay between hydrogen bonding and electron solvation on hydrated $\text{TiO}_2(110)$. <i>Physical Review B</i> , 2006, 73, .	1.1	50
63	Comparing Quasiparticle $\text{H}_{2\text{O}}$ Level Alignment on Anatase and Rutile TiO_2 . <i>ACS Catalysis</i> , 2015, 5, 4242-4254.	5.5	50
64	Observation of a local minimum on the S1 surface of cis-stilbene solvated in inert gas clusters. <i>Journal of the American Chemical Society</i> , 1988, 110, 6269-6270.	6.6	49
65	A study of the $\tilde{\nu}_1$ fundamental and bend-excited hot band of DNN^+ by velocity modulation absorption spectroscopy with an infrared difference frequency laser. <i>Journal of Chemical Physics</i> , 1984, 81, 5281-5287.	1.2	47
66	Coherent Electron Transfer at the $\text{Ag}/\text{Graphite}/\text{Ag}$ Heterojunction Interface. <i>Physical Review Letters</i> , 2018, 120, 126801.	2.9	47
67	Nearly Free Electron Superatom States of Carbon and Boron Nitride Nanotubes. <i>Nano Letters</i> , 2010, 10, 4830-4838.	4.5	45
68	Single-Molecule Femtochemistry: Molecular Imaging at the Space-Time Limit. <i>ACS Nano</i> , 2014, 8, 5-13.	7.3	45
69	Nanoscale Templating of Close-Packed C_{60} Nanowires. <i>Journal of the American Chemical Society</i> , 2007, 129, 12394-12395.	6.6	42
70	Band Formation in a Molecular Quantum Well via 2D Superatom Orbital Interactions. <i>Physical Review Letters</i> , 2012, 109, 266802.	2.9	42
71	Ultrafast multiphoton pump-probe photoemission excitation pathways in rutile TiO_2 . <i>Physical Review B</i> , 2015, 91, .	4.1	41
72	Femtosecond dynamics of hot-electron relaxation in $\text{Cu}(110)$ and $\text{Cu}(100)$. <i>Surface Science</i> , 1996, 357-358, 585-594.	0.8	40

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73	Nonlinear Plasmonic Photoelectron Response of Ag(111). <i>Physical Review Letters</i> , 2019, 123, 017404.	2.9	40
74	Simulation of two-photon photoemission from the bulksp-bands of Ag(111). <i>Physical Review B</i> , 2005, 72, .	1.1	39
75	One- and two-photon fluorescence excitation spectra of the 2s ¹ Ag states of linear tetraenes in free jet expansions. <i>Journal of Chemical Physics</i> , 1995, 102, 4726-4739.	1.2	38
76	Coherent multidimensional photoelectron spectroscopy of ultrafast quasiparticle dressing by light. <i>Nature Communications</i> , 2020, 11, 2230.	5.8	38
77	Primary Photochemical Processes in P700-Enriched Photosystem I Particles: Trap-Limited Excitation Decay and Primary Charge Separation. <i>The Journal of Physical Chemistry</i> , 1994, 98, 10335-10342.	2.9	37
78	Fluorescence of jet-cooled dimethylamino benzonitrile, its aggregates and solvated complexes. <i>Chemical Physics</i> , 1994, 188, 303-316.	0.9	37
79	Ultrafast electronic response of Ag(111) and Cu(111) surfaces: From early excitonic transients to saturated image potential. <i>Physical Review B</i> , 2015, 92, .	1.1	37
80	Ultrafast Microscopy of Spin-Momentum-Locked Surface Plasmon Polaritons. <i>ACS Nano</i> , 2018, 12, 6588-6596.	7.3	36
81	Understanding Molecular Dynamics Quantum-State by Quantum-State. <i>Science</i> , 1985, 227, 895-901.	6.0	35
82	Superatom orbitals of Sc ₃ N@C ₈₀ and their intermolecular hybridization on Cu(110) $\sqrt{2} \times \sqrt{2}$ surface. <i>Physical Review B</i> , 2010, 81, .	1.1	35
83	Self-Catalyzed Carbon Dioxide Adsorption by Metal-Organic Chains on Gold Surfaces. <i>ACS Nano</i> , 2014, 8, 8644-8652.	7.3	35
84	Coherent Two-Dimensional Multiphoton Photoelectron Spectroscopy of Metal Surfaces. <i>Physical Review X</i> , 2019, 9, .	2.8	34
85	Spectroscopic and dynamical studies of the S ₁ and S ₂ states of decatetraene in supersonic molecular beams. <i>Journal of Chemical Physics</i> , 1991, 95, 4739-4750.	1.2	33
86	Introduction: Photochemistry and Photophysics on Surfaces. <i>Chemical Reviews</i> , 2006, 106, 4113-4115.	23.0	33
87	Allowed and forbidden Raman scattering mechanisms for detection of coherent LO phonon and plasmon-coupled modes in GaAs. <i>Physical Review B</i> , 2011, 84, .	1.1	33
88	Current-Driven Dynamics in Molecular Junctions: Endohedral Fullerenes. <i>ACS Nano</i> , 2011, 5, 7858-7865.	7.3	33
89	Ultrafast Multiphoton Thermionic Photoemission from Graphite. <i>Physical Review X</i> , 2017, 7, .	2.8	33
90	Ultrafast microscopy of a twisted plasmonic spin skyrmion. <i>Applied Physics Reviews</i> , 2022, 9, .	5.5	33

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91	Femtosecond Cr ⁴⁺ :YAG laser with an L-fold cavity operating at a 12-GHz repetition rate. Optics Letters, 2000, 25, 584.	1.7	32
92	Optical Intersubband Transitions and Femtosecond Dynamics in Ag/Fe(100) Quantum Wells. Physical Review Letters, 2002, 88, 116801.	2.9	32
93	K Atom Promotion of O ₂ Chemisorption on Au(111) Surface. Journal of the American Chemical Society, 2019, 141, 4438-4444.	6.6	31
94	Electronic relaxation of alkali metal atoms on the Cu(111) surface. Surface Science, 2000, 451, 22-30.	0.8	30
95	$\text{I}\epsilon$ Resonance of Chemisorbed Alkali Atoms on Noble Metals. Physical Review Letters, 2008, 101, 266801.	2.9	30
96	Dynamically coupled plasmon-phonon modes in GaP: An indirect-gap polar semiconductor. Physical Review B, 2015, 92, .	1.1	30
97	Quasiparticle Interfacial Level Alignment of Highly Hybridized Frontier Levels: H ₂ O on TiO ₂ (110). Journal of Chemical Theory and Computation, 2015, 11, 239-251.	2.3	28
98	Two-photon photoemission spectroscopy at clean and oxidized Cu(110) and Cu(100) surfaces. Surface Science, 1996, 363, 313-320.	0.8	27
99	Quantum Control of Nuclear Motion at a Metal Surface. Journal of Physical Chemistry A, 2000, 104, 10234-10239.	1.1	27
100	Multiphoton Photoemission Microscopy of High-Order Plasmonic Resonances at the Ag/Vacuum and Ag/Si Interfaces of Epitaxial Silver Nanowires. ACS Photonics, 2016, 3, 1704-1713.	3.2	27
101	A topological lattice of plasmonic merons. Applied Physics Reviews, 2021, 8, .	5.5	27
102	Isomerization of cis-stilbene in rare-gas clusters: direct measurements of trans-stilbene formation rates on a picosecond time scale. Journal of the Optical Society of America B: Optical Physics, 1990, 7, 1540.	0.9	26
103	Resonant Two-Photon Photoemission from Ti 3d Defect States of TiO ₂ (110) Revisited. Journal of Physical Chemistry C, 2016, 120, 12959-12966.	1.5	26
104	Intrinsic coherent acoustic phonons in the indirect band gap semiconductors Si and GaP. Physical Review B, 2017, 95, .	1.1	26
105	Ultrafast transient grating scattering studies of carrier dynamics at a silicon surface. Chemical Physics, 2000, 251, 205-213.	0.9	25
106	Angle-dependent study of a direct optical transition in the s - p bands of Ag(111) by one- and two-photon photoemission. Physical Review B, 2007, 76, .	1.1	25
107	Dynamics of coupled plasmon polariton wave packets excited at a subwavelength slit in optically thin metal films. Physical Review B, 2012, 86, .	1.1	25
108	An investigation of the fluorescence behaviour of 4-(N,N-dimethylamino)benzonitrile cooled in a supersonic jet. Chemical Physics Letters, 1991, 183, 249-253.	1.2	24

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109	Orthogonal Interactions of CO Molecules on a One-Dimensional Substrate. ACS Nano, 2011, 5, 8877-8883.	7.3	24
110	Molecular Electronic Level Alignment at Weakly Coupled Organic Film/Metal Interfaces. ACS Nano, 2014, 8, 10988-10997.	7.3	24
111	Ultrafast Optical Spin Injection into Image-Potential States of Cu(001). Physical Review Letters, 2007, 98, 226601.	2.9	23
112	Coherent phonon spectroscopy characterization of electronic bands at buried semiconductor heterointerfaces. Applied Physics Letters, 2016, 108, 051607.	1.5	23
113	Ultrafast coupling of coherent phonons with a nonequilibrium electron-hole plasma in GaAs. Physical Review B, 2015, 91, .	1.1	22
114	Cooperative Chemisorption-Induced Physisorption of CO ₂ Molecules by Metal-Organic Chains. ACS Nano, 2015, 9, 12124-12136.	7.3	22
115	Plasmonic Spin-Hall Effect in Surface Plasmon Polariton Focusing. ACS Photonics, 2019, 6, 2005-2013.	3.2	22
116	Plasmonic Photoemission from Single-Crystalline Silver. ACS Photonics, 2021, 8, 247-258.	3.2	22
117	A study of the structure and dynamics of the hydronium ion by high resolution infrared laser spectroscopy. III. The ν_2 band of D ₃ O ⁺ . Journal of Chemical Physics, 1990, 92, 3257-3260.	1.2	21
118	Decoherence effects in propagation of optically generated electron-hole pairs in image potential states. Surface Science, 2000, 445, 195-208.	0.8	21
119	Resonant coherent three-photon photoemission from Cu(001). Physical Review B, 2009, 80, .	1.1	21
120	Universal Aspects of Ultrafast Optical Pulse Scattering by a Nanoscale Asperity. Journal of Physical Chemistry C, 2013, 117, 18648-18652.	1.5	21
121	Coherent phonon-induced optical modulation in semiconductors at terahertz frequencies. New Journal of Physics, 2013, 15, 055018.	1.2	21
122	Focusing surface plasmon polariton wave packets in space and time. Laser and Photonics Reviews, 2013, 7, 1003-1009.	4.4	21
123	Electron-phonon coupling at an atomically defined interface: Na quantum well on Cu(111). Physical Review B, 2007, 76, .	1.1	20
124	Raman generation of coherent phonons of anatase and rutile TiO ₂ photoexcited at fundamental absorption edges. Physical Review B, 2012, 86, .	1.1	20
125	Deconstruction of the Electronic Properties of a Topological Insulator with a Two-Dimensional Noble Metal-Organic Honeycomb Kagome Band Structure. Journal of Physical Chemistry C, 2018, 122, 18659-18668.	1.5	20
126	Surface Magnetism during Oxygen-Aided Fe Homoepitaxy. Physical Review Letters, 2005, 95, 127201.	2.9	19

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127	A multi-state single-molecule switch actuated by rotation of an encapsulated cluster within a fullerene cage. <i>Chemical Physics Letters</i> , 2012, 552, 1-12.	1.2	19
128	Exciplex formation in van der Waals complexes of naphthalene–triethylamine in a supersonic jet. <i>Chemical Physics Letters</i> , 1993, 213, 75-83.	1.2	18
129	Spectral properties of Cs and Ba on Cu(111) at very low coverage: Two-photon photoemission spectroscopy and electronic structure theory. <i>Physical Review B</i> , 2009, 80, .	1.1	18
130	Realizing nearly-free-electron like conduction band in a molecular film through mediating intermolecular van der Waals interactions. <i>Nature Communications</i> , 2019, 10, 3374.	5.8	18
131	Parallel excitation pathways in ultrafast interferometric pump-probe correlation measurements of hot-electron lifetimes in metals. <i>Applied Physics A: Materials Science and Processing</i> , 2000, 71, 553-559.	1.1	17
132	Non-nuclear electron transport channels in hollow molecules. <i>Physical Review B</i> , 2014, 90, .	1.1	17
133	Above-threshold multiphoton photoemission from noble metal surfaces. <i>Physical Review B</i> , 2020, 101, .	1.1	16
134	Evidence for quantization of the transition state for cis–trans isomerization. <i>Journal of Chemical Physics</i> , 1994, 100, 9269-9271.	1.2	15
135	Ultrafast nanofemto photoemission electron microscopy of vectorial plasmonic fields. <i>MRS Bulletin</i> , 2021, 46, 738-746.	1.7	15
136	Nonnuclear Nearly Free Electron Conduction Channels Induced by Doping Charge in Nanotube–Molecular Sheet Composites. <i>Journal of Physical Chemistry A</i> , 2014, 118, 7255-7260.	1.1	14
137	Optical decoherence and quantum beats in Cs/Cu(111). <i>Surface Science</i> , 1999, 427-428, 34-38.	0.8	13
138	Interferometric Control of Spin-Polarized Electron Populations at a Metal Surface Observed by Multiphoton Photoemission. <i>Physical Review Letters</i> , 2008, 100, 206601.	2.9	13
139	Two-Photon Photoemission Study of the Coverage-Dependent Electronic Structure of Chemisorbed Alkali Atoms on a Ag(111) Surface. <i>Journal of Physical Chemistry A</i> , 2011, 115, 9479-9484.	1.1	13
140	Energy stabilization of the s -symmetry superatom molecular orbital by endohedral doping of C ₈₂ fullerene with a lanthanum atom. <i>Physical Review B</i> , 2013, 88, .	1.1	13
141	Plasmonically assisted channels of photoemission from metals. <i>Physical Review B</i> , 2021, 103, .	1.1	13
142	Atomic hydrogen enhanced reflow of copper. <i>Applied Physics Letters</i> , 1997, 70, 1239-1241.	1.5	12
143	Nonlinear lightwave circuits in chalcogenide glasses fabricated by ultrafast laser. <i>Optics Letters</i> , 2014, 39, 693.	1.7	12
144	Sub-picosecond acoustic pulses at buried GaP/Si interfaces. <i>Applied Physics Letters</i> , 2017, 111, .	1.5	12

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145	Towards full surface Brillouin zone mapping by coherent multi-photon photoemission. <i>New Journal of Physics</i> , 2020, 22, 073035.	1.2	12
146	The effect of n- and p-type doping on coherent phonons in GaN. <i>Journal of Physics Condensed Matter</i> , 2013, 25, 205404.	0.7	11
147	Photovoltaics in action. <i>Nature Nanotechnology</i> , 2017, 12, 3-4.	15.6	11
148	Nanoscale guiding and shaping of indium droplets. <i>Applied Physics Letters</i> , 2016, 109, .	1.5	10
149	Photochemical timing. Application to intramolecular vibrational redistribution in <i>t</i> -stilbene. <i>Journal of Chemical Physics</i> , 1987, 87, 1458-1460.	1.2	9
150	Coherent optical phonons of ZnO under near resonant photoexcitation. <i>Journal of Physics Condensed Matter</i> , 2010, 22, 465803.	0.7	9
151	Optical field tuning of localized plasmon modes in Ag microcrystals at the nanofemto scale. <i>Journal of Chemical Physics</i> , 2020, 152, 054201.	1.2	9
152	Band structure effects in surface second harmonic generation: The case of Cu(001). <i>Physical Review B</i> , 2009, 80, .	1.1	8
153	Band structure effects in above threshold photoemission. <i>Journal of Physics Condensed Matter</i> , 2011, 23, 485002.	0.7	8
154	Coherent optical and acoustic phonons generated at lattice-matched GaP/Si(001) heterointerfaces. <i>Journal of Physics Condensed Matter</i> , 2019, 31, 094003.	0.7	8
155	Effect of third-order dispersion on the phases of solitonlike Cr ⁴⁺ : YAG-laser pulses characterized by the second-harmonic generation frequency-resolved optical gating method. <i>Journal of the Optical Society of America B: Optical Physics</i> , 2001, 18, 388.	0.9	7
156	A Compact High-performance Helium Atom Scattering Apparatus for Surface Studies. <i>Japanese Journal of Applied Physics</i> , 1997, 36, 4531-4536.	0.8	6
157	Theory of orthogonal interactions of CO molecules on a one-dimensional substrate. <i>Physical Review B</i> , 2012, 85, .	1.1	6
158	Electron-phonon coupling in d-electron solids: A temperature-dependent study of rutile TiO ₂ by first-principles theory and two-photon photoemission. <i>Physical Review Research</i> , 2019, 1, .	1.3	6
159	Orthogonal Intermolecular Interactions of CO Molecules on a One-Dimensional Substrate. <i>Annual Review of Physical Chemistry</i> , 2012, 63, 201-224.	4.8	5
160	Time-resolved photoemission study of the electronic structure and dynamics of chemisorbed alkali atoms on Ru(0001). <i>Physical Review B</i> , 2016, 93, .	1.1	5
161	Vibrational spectroscopy and picosecond dynamics of gaseous trienes and tetraenes in S ₁ and S ₂ electronic states. , 1992, , .		4
162	Nano meets femto. <i>Nature Nanotechnology</i> , 2016, 11, 404-405.	15.6	4

#	ARTICLE	IF	CITATIONS
163	Multidimensional multiphoton momentum microscopy of the anisotropic Ag(110) surface. Physical Review B, 2022, 105, .	1.1	4
164	Electron irradiation effect on CaF ₂ (111) studied with He atom scattering. Surface Science, 1996, 357-358, 155-159.	0.8	3
165	Lateral thermal expansion of Cu(110) surface studied with helium atom scattering. Surface Science, 1999, 427-428, 39-43.	0.8	3
166	Ultrafast asymmetric Rosen-Zener-like coherent phonon responses observed in silicon. Physical Review B, 2019, 99, .	1.1	3
167	Ultrafast photoemission electron microscopy: imaging light with electrons on femto-nano scale. Springer Series in Chemical Physics, 2009, , 687-689.	0.2	3
168	Coherent Phonon Dynamics Studied by fs-laser Pulses. Hyomen Kagaku, 2005, 26, 648-654.	0.0	3
169	Dual fluorescence and excited-state intramolecular proton transfer in jet-cooled 3,4-benzotropolone. Chemical Physics Letters, 1993, 215, 641-648.	1.2	2
170	Journal of the Vacuum Society of Japan	0.1	2
171	Comment on "Coherence and Relaxation in Potassium-Doped Helium Droplets Studied by Femtosecond Pump-Probe Spectroscopy". Physical Review Letters, 2000, 84, 4509-4509.	2.9	1
172	ULTRAFAST MICROSCOPY OF PLASMON DYNAMICS IN NANOSTRUCTURED METAL SURFACES. Materials and Energy, 2011, , 183-210.	2.5	1
173	Coherent phonon frequency comb generated by few-cycle femtosecond pulses in Si. EPJ Web of Conferences, 2013, 41, 04020.	0.1	1
174	Depth-dependent Detection Mechanisms of Coherent Phonons in n-type GaAs. EPJ Web of Conferences, 2013, 41, 04018.	0.1	1
175	Nonlinear optical localization in embedded chalcogenide waveguide arrays. AIP Advances, 2014, 4, .	0.6	1
176	Scrutinizing the Endohedral Space: Superatom States and Molecular Machines. Nanostructure Science and Technology, 2017, , 123-157.	0.1	1
177	Imaging of Surface Plasmon Polariton Fields by Femtosecond Laser Excited Photoemission Electron Microscopy. Hyomen Kagaku, 2012, 33, 235-241.	0.0	1
178	Light Matter. ACS Symposium Series, 0, , 153-171.	0.5	1
179	<title>Optical phase control of coherent electron dynamics in copper</title>. , 1998, 3272, 221.		0
180	<title>Ultrafast carrier dynamics near a Si surface: a reflective transient grating study</title>. , 1998, , .		0

#	ARTICLE	IF	CITATIONS
181	Coherence and Decoherence of a Localized Excitation on a Surface Adatom. Chinese Physics Letters, 2002, 19, 1195-1198.	1.3	0
182	Ultrafast dynamics of coherent electron-phonon interaction in silicon. Springer Series in Chemical Physics, 2005, , 242-244.	0.2	0
183	Ultrafast microscopy of surface plasmon dynamics. , 2006, , .		0
184	Ultrafast proton-coupled electron transfer in heterogenous photocatalysis. , 2006, , .		0
185	Ultrafast Microscopy of Plasmonic Modes of Ag Nanocrystals Grown on Si Substrates. , 2016, , .		0
186	The Calisthenics of Surface Femtochemistry. Physics Magazine, 2016, 9, .	0.1	0
187	Analysis of Hot Electron Cascades in Copper. Springer Series in Chemical Physics, 2001, , 416-418.	0.2	0
188	Femtosecond Microscopy of Surface Plasmon Propagation in a Silver Film. , 2006, , .		0
189	Femtosecond Microscopy of Surface Plasmon Propagation in a Silver Film. Springer Series in Chemical Physics, 2007, , 636-638.	0.2	0
190	Ultrafast dynamics of coherent phonons in the aligned single-walled carbon nanotubes. Springer Series in Chemical Physics, 2009, , 259-261.	0.2	0
191	Ultrafast photoemission electron microscopy: Imaging nonlinear plasmonic phenomena on the femto/nano scale. , 2009, , .		0
192	The Electronic State and Spatial Distribution of Excess Charge Created by Oxygen Vacancies on Titanium Dioxide Surfaces. Hyomen Kagaku, 2010, 31, 474-479.	0.0	0
193	Carrier-phonon Dynamics at Buried Interface of GaP/Si(001). , 2014, , .		0
194	Helium Atom Scattering; Effects of Atomic Hydrogen on Cu Surfaces.. Hyomen Kagaku, 1998, 19, 752-757.	0.0	0
195	Two-photon Time-resolved Photoemission.. Hyomen Kagaku, 1998, 19, 72-77.	0.0	0
196	Ultrashort Strain Pulses Generated at Buried GaP/Si Interfaces. , 2016, , .		0
197	Ultrafast Microscopy of Electronic Excitations in Nanostructured Materials. , 2017, , .		0
198	Obituary for Sydney Davison: The founder of progress in surface science. Progress in Surface Science, 2021, 96, 100647.	3.8	0

#	ARTICLE	IF	CITATIONS
199	Imaging a Haber-Bosch catalysis precursor at the atomic scale. Cell Reports Physical Science, 2022, 3, 100865.	2.8	0