

Hrvoje Petek

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/2205536/publications.pdf>

Version: 2024-02-01

199
papers

10,478
citations

29994

54
h-index

37111

96
g-index

242
all docs

242
docs citations

242
times ranked

7597
citing authors

#	ARTICLE	IF	CITATIONS
1	Multidimensional multiphoton momentum microscopy of the anisotropic Ag(110) surface. <i>Physical Review B</i> , 2022, 105, .	1.1	4
2	Ultrafast microscopy of a twisted plasmonic spin skyrmion. <i>Applied Physics Reviews</i> , 2022, 9, .	5.5	33
3	Imaging a Haber-Bosch catalysis precursor at the atomic scale. <i>Cell Reports Physical Science</i> , 2022, 3, 100865.	2.8	0
4	Plasmonically assisted channels of photoemission from metals. <i>Physical Review B</i> , 2021, 103, .	1.1	13
5	Ultrafast nanofemto photoemission electron microscopy of vectorial plasmonic fields. <i>MRS Bulletin</i> , 2021, 46, 738-746.	1.7	15
6	Plasmonic Photoemission from Single-Crystalline Silver. <i>ACS Photonics</i> , 2021, 8, 247-258.	3.2	22
7	Obituary for Sydney Davison: The founder of progress in surface science. <i>Progress in Surface Science</i> , 2021, 96, 100647.	3.8	0
8	A topological lattice of plasmonic merons. <i>Applied Physics Reviews</i> , 2021, 8, .	5.5	27
9	Plasmonic topological quasiparticle on the nanometre and femtosecond scales. <i>Nature</i> , 2020, 588, 616-619.	13.7	113
10	Coherent multidimensional photoelectron spectroscopy of ultrafast quasiparticle dressing by light. <i>Nature Communications</i> , 2020, 11, 2230.	5.8	38
11	Ultrafast Photoemission Electron Microscopy: Imaging Plasmons in Space and Time. <i>Chemical Reviews</i> , 2020, 120, 6247-6287.	23.0	71
12	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
13	Above-threshold multiphoton photoemission from noble metal surfaces. <i>Physical Review B</i> , 2020, 101, .	1.1	16
14	Towards full surface Brillouin zone mapping by coherent multi-photon photoemission. <i>New Journal of Physics</i> , 2020, 22, 073035.	1.2	12
15	Plasmonic Spin-Hall Effect in Surface Plasmon Polariton Focusing. <i>ACS Photonics</i> , 2019, 6, 2005-2013.	3.2	22
16	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
17	Nonlinear Plasmonic Photoelectron Response of Ag(111). <i>Physical Review Letters</i> , 2019, 123, 017404.	2.9	40
18	Ultrafast asymmetric Rosen-Zener-like coherent phonon responses observed in silicon. <i>Physical Review B</i> , 2019, 99, .	1.1	3

#	ARTICLE	IF	CITATIONS
19	Coherent Two-Dimensional Multiphoton Photoelectron Spectroscopy of Metal Surfaces. <i>Physical Review X</i> , 2019, 9, .	2.8	34
20	K Atom Promotion of O ₂ Chemisorption on Au(111) Surface. <i>Journal of the American Chemical Society</i> , 2019, 141, 4438-4444.	6.6	31
21	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
22	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
23	Coherent Electron Transfer at the Ag/Graphite Heterojunction Interface. <i>Physical Review Letters</i> , 2018, 120, 126801.	4.7	47
24	Deconstruction of the Electronic Properties of a Topological Insulator with a Two-Dimensional Noble Metal Organic Honeycomb Kagome Band Structure. <i>Journal of Physical Chemistry C</i> , 2018, 122, 18659-18668.	1.5	20
25	Ultrafast Microscopy of Spin-Momentum-Locked Surface Plasmon Polaritons. <i>ACS Nano</i> , 2018, 12, 6588-6596.	7.3	36
26	Photovoltaics in action. <i>Nature Nanotechnology</i> , 2017, 12, 3-4.	15.6	11
27	Ultrafast Multiphoton Thermionic Photoemission from Graphite. <i>Physical Review X</i> , 2017, 7, .	2.8	33
28	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
29	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
30	Phonon-Assisted Ultrafast Charge Transfer at van der Waals Heterostructure Interface. <i>Nano Letters</i> , 2017, 17, 6435-6442.	4.5	204
31	Sub-picosecond acoustic pulses at buried GaP/Si interfaces. <i>Applied Physics Letters</i> , 2017, 111, .	1.5	12
32	Intrinsic coherent acoustic phonons in the indirect band gap semiconductors Si and GaP. <i>Physical Review B</i> , 2017, 95, .	1.1	26
33	Plasmonic coupling at a metal/semiconductor interface. <i>Nature Photonics</i> , 2017, 11, 806-812.	15.6	232
34	Scrutinizing the Endohedral Space: Superatom States and Molecular Machines. <i>Nanostructure Science and Technology</i> , 2017, , 123-157.	0.1	1
35	Ultrafast Microscopy of Electronic Excitations in Nanostructured Materials. , 2017, , .		0
36	Ultrafast Microscopy of Plasmonic Modes of Ag Nanocrystals Grown on Si Substrates. , 2016, , .		0

#	ARTICLE	IF	CITATIONS
37	The Calisthenics of Surface Femtochemistry. <i>Physics Magazine</i> , 2016, 9, .	0.1	0
38	Coherent phonon spectroscopy characterization of electronic bands at buried semiconductor heterointerfaces. <i>Applied Physics Letters</i> , 2016, 108, 051607.	1.5	23
39	Nanoscale guiding and shaping of indium droplets. <i>Applied Physics Letters</i> , 2016, 109, .	1.5	10
40	Ultrafast Dynamics of Photogenerated Holes at a $\text{CH}_3\text{OH}/\text{TiO}_2$ Rutile Interface. <i>Journal of the American Chemical Society</i> , 2016, 138, 13740-13749.	6.6	126
41	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
42	Multiphoton Photoemission Microscopy of High-Order Plasmonic Resonances at the Ag/Vacuum and Ag/Si Interfaces of Epitaxial Silver Nanowires. <i>ACS Photonics</i> , 2016, 3, 1704-1713.	3.2	27
43	Resonant Two-Photon Photoemission from Ti 3d Defect States of TiO_2 (110) Revisited. <i>Journal of Physical Chemistry C</i> , 2016, 120, 12959-12966.	1.5	26
44	Nano meets femto. <i>Nature Nanotechnology</i> , 2016, 11, 404-405.	15.6	4
45	Ultrashort Strain Pulses Generated at Buried GaP/Si Interfaces. , 2016, , .		0
46	Ultrafast coupling of coherent phonons with a nonequilibrium electron-hole plasma in GaAs. <i>Physical Review B</i> , 2015, 91, .	1.1	22
47	Ultrafast multiphoton pump-probe photoemission excitation pathways in rutile TiO_2 . <i>Physical Review B</i> , 2015, 91, .	1.1	22
48	Dynamically coupled plasmon-phonon modes in GaP: An indirect-gap polar semiconductor. <i>Physical Review B</i> , 2015, 92, .	1.1	30
49	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
50	Cooperative Chemisorption-Induced Physisorption of CO_2 Molecules by Metal-Organic Chains. <i>ACS Nano</i> , 2015, 9, 12124-12136.	7.3	22
51	Quasiparticle Interfacial Level Alignment of Highly Hybridized Frontier Levels: H_2O on TiO_2 (110). <i>Journal of Chemical Theory and Computation</i> , 2015, 11, 239-251.	2.3	28
52	Comparing Quasiparticle H_2O Level Alignment on Anatase and Rutile TiO_2 . <i>ACS Catalysis</i> , 2015, 5, 4242-4254.	5.5	50
53	Nonlinear lightwave circuits in chalcogenide glasses fabricated by ultrafast laser. <i>Optics Letters</i> , 2014, 39, 693.	1.7	12
54	Nonlinear optical localization in embedded chalcogenide waveguide arrays. <i>AIP Advances</i> , 2014, 4, .	0.6	1

#	ARTICLE	IF	CITATIONS
55	Non-nuclear electron transport channels in hollow molecules. <i>Physical Review B</i> , 2014, 90, .	1.1	17
56	Single-Molecule Femtochemistry: Molecular Imaging at the Space-Time Limit. <i>ACS Nano</i> , 2014, 8, 5-13.	7.3	45
57	Molecular Electronic Level Alignment at Weakly Coupled Organic Film/Metal Interfaces. <i>ACS Nano</i> , 2014, 8, 10988-10997.	7.3	24
58	Quasiparticle Level Alignment for Photocatalytic Interfaces. <i>Journal of Chemical Theory and Computation</i> , 2014, 10, 2103-2113.	2.3	60
59	Transient excitons at metal surfaces. <i>Nature Physics</i> , 2014, 10, 505-509.	6.5	108
60	Self-Catalyzed Carbon Dioxide Adsorption by Metal-Organic Chains on Gold Surfaces. <i>ACS Nano</i> , 2014, 8, 8644-8652.	7.3	35
61	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
62	Carrier-phonon Dynamics at Buried Interface of GaP/Si(001). , 2014, , .		0
63	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
64	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
65	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
66	Universal Aspects of Ultrafast Optical Pulse Scattering by a Nanoscale Asperity. <i>Journal of Physical Chemistry C</i> , 2013, 117, 18648-18652.	1.5	21
67	Coherent phonon-induced optical modulation in semiconductors at terahertz frequencies. <i>New Journal of Physics</i> , 2013, 15, 055018.	1.2	21
68	Focusing surface plasmon polariton wave packets in space and time. <i>Laser and Photonics Reviews</i> , 2013, 7, 1003-1009.	4.4	21
69	Coherent phonon frequency comb generated by few-cycle femtosecond pulses in Si. <i>EPJ Web of Conferences</i> , 2013, 41, 04020.	0.1	1
70	Depth-dependent Detection Mechanisms of Coherent Phonons in n-type GaAs. <i>EPJ Web of Conferences</i> , 2013, 41, 04018.	0.1	1
71	Theory of orthogonal interactions of CO molecules on a one-dimensional substrate. <i>Physical Review B</i> , 2012, 85, .	1.1	6
72	Photoexcitation of adsorbates on metal surfaces: One-step or three-step. <i>Journal of Chemical Physics</i> , 2012, 137, 091704.	1.2	56

#	ARTICLE	IF	CITATIONS
73	Raman generation of coherent phonons of anatase and rutile TiO ₂ photoexcited at fundamental absorption edges. Physical Review B, 2012, 86, .	1.1	20
74	Orthogonal Intermolecular Interactions of CO Molecules on a One-Dimensional Substrate. Annual Review of Physical Chemistry, 2012, 63, 201-224.	4.8	5
75	A multi-state single-molecule switch actuated by rotation of an encapsulated cluster within a fullerene cage. Chemical Physics Letters, 2012, 552, 1-12.	1.2	19
76	Band Formation in a Molecular Quantum Well via 2D Superatom Orbital Interactions. Physical Review Letters, 2012, 109, 266802.	2.9	42
77	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
78	Frequency comb generation at terahertz frequencies by coherent phonon excitation in silicon. Nature Photonics, 2012, 6, 243-247.	15.6	60
79	Imaging of Surface Plasmon Polariton Fields by Femtosecond Laser Excited Photoemission Electron Microscopy. Hyomen Kagaku, 2012, 33, 235-241.	0.0	1
80	The Electronic Properties of Superatom States of Hollow Molecules. Accounts of Chemical Research, 2011, 44, 360-368.	7.6	80
81	Orthogonal Interactions of CO Molecules on a One-Dimensional Substrate. ACS Nano, 2011, 5, 8877-8883.	7.3	24
82	Two-Photon Photoemission Study of the Coverage-Dependent Electronic Structure of Chemisorbed Alkali Atoms on a Ag(111) Surface. Journal of Physical Chemistry A, 2011, 115, 9479-9484.	1.1	13
83	Allowed and forbidden Raman scattering mechanisms for detection of coherent LO phonon and plasmon-coupled modes in GaAs. Physical Review B, 2011, 84, .	1.1	33
84	Current-Driven Dynamics in Molecular Junctions: Endohedral Fullerenes. ACS Nano, 2011, 5, 7858-7865.	7.3	33
85	Imaging of surface plasmon polariton fields excited at a nanometer-scale slit. Physical Review B, 2011, 84, .	1.1	88
86	A Molecular Switch Based on Current-Driven Rotation of an Encapsulated Cluster within a Fullerene Cage. Nano Letters, 2011, 11, 5327-5332.	4.5	82
87	ULTRAFast MICROSCOPY OF PLASMON DYNAMICS IN NANOSTRUCTURED METAL SURFACES. Materials and Energy, 2011, , 183-210.	2.5	1
88	Band structure effects in above threshold photoemission. Journal of Physics Condensed Matter, 2011, 23, 485002.	0.7	8
89	Self-energy and excitonic effects in the electronic and optical properties of TiO ₂ phases. Physical Review B, 2010, 82, .	1.1	236
90	Superatom orbitals of Sc ₃ N@C ₈₀ and their intermolecular hybridization on Cu(110) (2 \times 1)-O surface. Physical Review B, 2010, 81, .	1.1	35

#	ARTICLE	IF	CITATIONS
91	Ultrafast Interfacial Proton-Coupled Electron Transfer. <i>Chemical Reviews</i> , 2010, 110, 7082-7099.	23.0	75
92	Coherent optical phonons of ZnO under near resonant photoexcitation. <i>Journal of Physics Condensed Matter</i> , 2010, 22, 465803.	0.7	9
93	Nearly Free Electron Superatom States of Carbon and Boron Nitride Nanotubes. <i>Nano Letters</i> , 2010, 10, 4830-4838.	4.5	45
94	The Electronic State and Spatial Distribution of Excess Charge Created by Oxygen Vacancies on Titanium Dioxide Surfaces. <i>Hyomen Kagaku</i> , 2010, 31, 474-479.	0.0	0
95	Band structure effects in surface second harmonic generation: The case of Cu(001). <i>Physical Review B</i> , 2009, 80, .	1.1	8
96	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
97	Resonant coherent three-photon photoemission from Cu(001). <i>Physical Review B</i> , 2009, 80, .	1.1	21
98	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
99	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
100	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
101	Image potential states in graphene. <i>Physical Review B</i> , 2009, 80, .	1.1	143
102	Ultrafast photoemission electron microscopy: imaging light with electrons on femto-nano scale. <i>Springer Series in Chemical Physics</i> , 2009, , 687-689.	0.2	3
103	Ultrafast dynamics of coherent phonons in the aligned single-walled carbon nanotubes. <i>Springer Series in Chemical Physics</i> , 2009, , 259-261.	0.2	0
104	Ultrafast photoemission electron microscopy: Imaging nonlinear plasmonic phenomena on the femto/nano scale. , 2009, , .		0
105	Electronic potential of a chemisorption interface. <i>Physical Review B</i> , 2008, 78, .	1.1	70
106	Atomlike, Hollow-Core "Bound Molecular Orbitals of C ₆₀ ". <i>Science</i> , 2008, 320, 359-362.	6.0	269
107	Coherent Phonon Anisotropy in Aligned Single-Walled Carbon Nanotubes. <i>Nano Letters</i> , 2008, 8, 3102-3108.	4.5	51
108	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

#	ARTICLE	IF	CITATIONS
109	$\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"} \rangle \langle \text{mml:mi} \rangle \text{Resonance of Chemisorbed Alkali Atoms on Noble Metals. Physical Review Letters, 2008, 101, 266801.}$	2.9	30
110	Ultrafast electron-phonon decoupling in graphite. Physical Review B, 2008, 77, .	1.1	120
111	Journal of the Vacuum Society		
112	Tunneling spectroscopy of Stark-shifted image potential states on Cu and Au surfaces. Physical Review B, 2007, 76, .	1.1	57
113	Electron-phonon coupling at an atomically defined interface: Na quantum well on Cu(111). Physical Review B, 2007, 76, .	1.1	20
114	Angle-dependent study of a direct optical transition in the $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mi} \rangle \text{s} \langle \text{mml:mi} \rangle \langle \text{mml:mi} \rangle \text{p} \langle \text{mml:mi} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:math} \rangle$ bands of Ag(111) by one- and two-photon photoemission. Physical Review B, 2007, 76, .	1.1	25
115	Nanoscale Templating of Close-Packed C ₆₀ Nanowires. Journal of the American Chemical Society, 2007, 129, 12394-12395.	6.6	42
116	Ultrafast Optical Spin Injection into Image-Potential States of Cu(001). Physical Review Letters, 2007, 98, 226601.	2.9	23
117	Femtosecond microscopy of localized and propagating surface plasmons in silver gratings. Journal of Physics B: Atomic, Molecular and Optical Physics, 2007, 40, S259-S272.	0.6	72
118	Femtosecond Microscopy of Surface Plasmon Polariton Wave Packet Evolution at the Silver/Vacuum Interface. Nano Letters, 2007, 7, 470-475.	4.5	264
119	Femtosecond Microscopy of Surface Plasmon Propagation in a Silver Film. Springer Series in Chemical Physics, 2007, , 636-638.	0.2	0
120	Ultrafast microscopy of surface plasmon dynamics. , 2006, , .		0
121	Introduction: Photochemistry and Photophysics on Surfaces. Chemical Reviews, 2006, 106, 4113-4115.	23.0	33
122	Ultrafast Interfacial Proton-Coupled Electron Transfer. Science, 2006, 311, 1436-1440.	6.0	206
123	Solvated Electrons on Metal Oxide Surfaces. Chemical Reviews, 2006, 106, 4402-4427.	23.0	133
124	Interplay between hydrogen bonding and electron solvation on hydrated TiO ₂ (110). Physical Review B, 2006, 73, .	1.1	50
125	Coherent optical phonons in diamond. Applied Physics Letters, 2006, 89, 231916.	1.5	80
126	Ultrafast proton-coupled electron transfer in heterogenous photocatalysis. , 2006, , .		0

#	ARTICLE	IF	CITATIONS
127	Mechanisms of High-Order Perturbative Photoemission from Cu(001). <i>Physical Review Letters</i> , 2006, 96, 087601.	2.9	63
128	Femtosecond Microscopy of Surface Plasmon Propagation in a Silver Film. , 2006, , .		0
129	The electronic structure of methanol covered TiO ₂ (110) surfaces. <i>Surface Science</i> , 2005, 593, 32-37.	0.8	64
130	Ultrafast dynamics of coherent electron-phonon interaction in silicon. <i>Springer Series in Chemical Physics</i> , 2005, , 242-244.	0.2	0
131	Simulation of two-photon photoemission from the bulksp-bands of Ag(111). <i>Physical Review B</i> , 2005, 72, .	1.1	39
132	Surface Magnetism during Oxygen-Aided Fe Homoepitaxy. <i>Physical Review Letters</i> , 2005, 95, 127201.	2.9	19
133	Femtosecond Imaging of Surface Plasmon Dynamics in a Nanostructured Silver Film. <i>Nano Letters</i> , 2005, 5, 1123-1127.	4.5	431
134	Wet Electrons at the H ₂ O/TiO ₂ (110) Surface. <i>Science</i> , 2005, 308, 1154-1158.	6.0	239
135	Coherent Phonon Dynamics Studied by fs-laser Pulses. <i>Hyomen Kagaku</i> , 2005, 26, 648-654.	0.0	3
136	Two-photon photoemission spectroscopy ofTiO ₂ (110)surfaces modified by defects andO ₂ orH ₂ Oadsorbates. <i>Physical Review B</i> , 2004, 70, .	1.1	190
137	The birth of a quasiparticle in silicon observed in timeâ€“frequency space. <i>Nature</i> , 2003, 426, 51-54.	13.7	201
138	Optical Intersubband Transitions and Femtosecond Dynamics in Ag/Fe(100) Quantum Wells. <i>Physical Review Letters</i> , 2002, 88, 116801.	2.9	32
139	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
140	Coherence and Decoherence of a Localized Excitation on a Surface Adatom. <i>Chinese Physics Letters</i> , 2002, 19, 1195-1198.	1.3	0
141	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
142	Surface Femtochemistry:â€“ Frustrated Desorption of Alkali Atoms from Noble Metals. <i>Journal of Physical Chemistry B</i> , 2001, 105, 6767-6779.	1.2	78
143	Analysis of Hot Electron Cascades in Copper. <i>Springer Series in Chemical Physics</i> , 2001, , 416-418.	0.2	0
144	The role of Auger decay in hot electron excitation in copper. <i>Chemical Physics</i> , 2000, 251, 71-86.	0.9	58

#	ARTICLE	IF	CITATIONS
145	Ultrafast transient grating scattering studies of carrier dynamics at a silicon surface. <i>Chemical Physics</i> , 2000, 251, 205-213.	0.9	25
146	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
147	Comment on "Coherence and Relaxation in Potassium-Doped Helium Droplets Studied by Femtosecond Pump-Probe Spectroscopy" <i>Physical Review Letters</i> , 2000, 84, 4509-4509.	2.9	1
148	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
149	Femtosecond Cr ⁴⁺ :YAG laser with an L-fold cavity operating at a 12-GHz repetition rate. <i>Optics Letters</i> , 2000, 25, 584.	1.7	32
150	Electronic relaxation of alkali metal atoms on the Cu(111) surface. <i>Surface Science</i> , 2000, 451, 22-30.	0.8	30
151	Decoherence effects in propagation of optically generated electron-hole pairs in image potential states. <i>Surface Science</i> , 2000, 445, 195-208.	0.8	21
152	Real-Time Observation of Adsorbate Atom Motion Above a Metal Surface. <i>Science</i> , 2000, 288, 1402-1404.	6.0	247
153	Quantum Control of Nuclear Motion at a Metal Surface. <i>Journal of Physical Chemistry A</i> , 2000, 104, 10234-10239.	1.1	27
154	Phase and Energy Relaxation in an Antibonding Surface State: Cs/Cu(111). <i>Physical Review Letters</i> , 1999, 82, 1931-1934.	2.9	144
155	Hole Decoherence of Bands in Copper. <i>Physical Review Letters</i> , 1999, 83, 832-835.	2.9	89
156	Optical decoherence and quantum beats in Cs/Cu(111). <i>Surface Science</i> , 1999, 427-428, 34-38.	0.8	13
157	Lateral thermal expansion of Cu(110) surface studied with helium atom scattering. <i>Surface Science</i> , 1999, 427-428, 39-43.	0.8	3
158	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
159	Femtosecond Time-Resolved Study of the Energy and Temperature Dependence of Hot-Electron Lifetimes in Bi ₂ Sr ₂ CaCu ₂ O ₈ + δ . <i>Physical Review Letters</i> , 1998, 81, 4480-4483.	2.9	52
160	<title>Optical phase control of coherent electron dynamics in copper</title>. , 1998, 3272, 221.		0
161	<title>Ultrafast carrier dynamics near a Si surface: a reflective transient grating study</title>. , 1998, , ,		0
162	Helium Atom Scattering; Effects of Atomic Hydrogen on Cu Surfaces.. <i>Hyomen Kagaku</i> , 1998, 19, 752-757.	0.0	0

#	ARTICLE	IF	CITATIONS
163	Two-photon Time-resolved Photoemission.. Hyomen Kagaku, 1998, 19, 72-77.	0.0	0
164	A Compact High-performance Helium Atom Scattering Apparatus for Surface Studies. Japanese Journal of Applied Physics, 1997, 36, 4531-4536.	0.8	6
165	Optical Dephasing in Cu(111) Measured by Interferometric Two-Photon Time-Resolved Photoemission. Physical Review Letters, 1997, 78, 1339-1342.	2.9	139
166	Atomic hydrogen enhanced reflow of copper. Applied Physics Letters, 1997, 70, 1239-1241.	1.5	12
167	Optical Phase Control of Coherent Electron Dynamics in Metals. Physical Review Letters, 1997, 79, 4649-4652.	2.9	106
168	Hot-electron dynamics at Cu(100), Cu(110), and Cu(111) surfaces:mComparison of experiment with Fermi-liquid theory. Physical Review B, 1997, 55, 10869-10877.	1.1	166
169	Femtosecond time-resolved two-photon photoemission studies of electron dynamics in metals. Progress in Surface Science, 1997, 56, 239-310.	3.8	664
170	Electron irradiation effect on CaF ₂ (111) studied with He atom scattering. Surface Science, 1996, 357-358, 155-159.	0.8	3
171	Two-photon photoemission spectroscopy at clean and oxidized Cu(110) and Cu(100) surfaces. Surface Science, 1996, 363, 313-320.	0.8	27
172	Femtosecond dynamics of hot-electron relaxation in Cu(110) and Cu(100). Surface Science, 1996, 357-358, 585-594.	0.8	40
173	One- and two-photon fluorescence excitation spectra of the 2 ¹ Ag states of linear tetraenes in free jet expansions. Journal of Chemical Physics, 1995, 102, 4726-4739.	1.2	38
174	Excited state enol-keto tautomerization in salicylic acid: A supersonic free jet study. Journal of Chemical Physics, 1995, 103, 5290-5307.	1.2	106
175	Primary Photochemical Processes in P700-Enriched Photosystem I Particles: Trap-Limited Excitation Decay and Primary Charge Separation. The Journal of Physical Chemistry, 1994, 98, 10335-10342.	2.9	37
176	Evidence for quantization of the transition state for cis-trans isomerization. Journal of Chemical Physics, 1994, 100, 9269-9271.	1.2	15
177	Fluorescence of jet-cooled dimethylamino benzonitrile, its aggregates and solvated complexes. Chemical Physics, 1994, 188, 303-316.	0.9	37
178	Exciplex formation in van der Waals complexes of naphthalene-triethylamine in a supersonic jet. Chemical Physics Letters, 1993, 213, 75-83.	1.2	18
179	Dual fluorescence and excited-state intramolecular proton transfer in jet-cooled 3,4-benzotropolone. Chemical Physics Letters, 1993, 215, 641-648.	1.2	2
180	The 2 ¹ Ag state of trans,trans-1,3,5,7-octatetraene in free jet expansions. Journal of Chemical Physics, 1993, 98, 3777-3794.	1.2	77

#	ARTICLE	IF	CITATIONS
181	Fluorescence excitation spectra of the S1 states of isolated trienes. Journal of Chemical Physics, 1992, 96, 2412-2415.	1.2	71
182	Vibrational spectroscopy and picosecond dynamics of gaseous trienes and tetraenes in S1 and S2 electronic states. , 1992, , .		4
183	Models for stilbene photoisomerization: experimental and theoretical studies of the excited-state dynamics of 1,2-diphenylcycloalkenes. The Journal of Physical Chemistry, 1991, 95, 2845-2858.	2.9	73
184	An investigation of the fluorescence behaviour of 4-(N,N-dimethylamino)benzotrile cooled in a supersonic jet. Chemical Physics Letters, 1991, 183, 249-253.	1.2	24
185	Spectroscopic and dynamical studies of the S1 and S2 states of decatetraene in supersonic molecular beams. Journal of Chemical Physics, 1991, 95, 4739-4750.	1.2	33
186	A study of the structure and dynamics of the hydronium ion by high resolution infrared laser spectroscopy. III. The ν_2 band of D3O+. Journal of Chemical Physics, 1990, 92, 3257-3260.	1.2	21
187	Is the nonradiative decay of S1 cis-stilbene due to the dihydrophenanthrene isomerization channel? Suggestive evidence from photophysical measurements on 1,2-diphenylcycloalkenes. The Journal of Physical Chemistry, 1990, 94, 7539-7543.	2.9	107
188	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
189	Analysis of CH2 ν_2 (1,0,0) and (0,0,1) Coriolis-coupled states, ν_2 spin-orbit coupling, and the equilibrium structure of CH2 ν_2 state. Journal of Chemical Physics, 1989, 91, 6566-6578.	1.2	105
190	Observation of a local minimum on the S1 surface of cis-stilbene solvated in inert gas clusters. Journal of the American Chemical Society, 1988, 110, 6269-6270.	6.6	49
191	Visible absorption and magnetic-rotation spectroscopy of 1CH2: Analysis of the 1A1 state and the 1A1 \leftarrow 3B1 coupling. Journal of Chemical Physics, 1987, 86, 1189-1205.	1.2	95
192	Photochemical timing. Application to intramolecular vibrational redistribution in π -stilbene. Journal of Chemical Physics, 1987, 87, 1458-1460.	1.2	9
193	Visible absorption and magnetic-rotation spectroscopy of 1CH2: The analysis of the ν_2 1B1 state. Journal of Chemical Physics, 1987, 86, 1172-1188.	1.2	113
194	Understanding Molecular Dynamics Quantum-State by Quantum-State. Science, 1985, 227, 895-901.	6.0	35
195	Photofragmentation dynamics of ketene at 308 nm: Initial vibrational and rotational state distributions of CO product by vacuum UV laser-induced fluorescence. Journal of Chemical Physics, 1985, 83, 223-229.	1.2	71
196	A study of the ν_2 fundamental and bend-excited hot band of DNN+ by velocity modulation absorption spectroscopy with an infrared difference frequency laser. Journal of Chemical Physics, 1984, 81, 5281-5287.	1.2	47
197	Infrared flash kinetic spectroscopy: the ν_1 and ν_3 spectra of singlet methylene. The Journal of Physical Chemistry, 1983, 87, 5367-5371.	2.9	75
198	Collisional removal of CH2(1A1): Absolute rate constants for atomic and molecular collisional partners at 295 K. Journal of Chemical Physics, 1983, 78, 6650-6659.	1.2	164

#	ARTICLE	IF	CITATIONS
199	Light Matter. ACS Symposium Series, 0, , 153-171.	0.5	1