

# Fernando Martin

## List of Publications by Year in descending order

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539  
papers

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543  
docs citations

543  
times ranked

7369  
citing authors

#	ARTICLE	IF	CITATIONS
1	Electron localization following attosecond molecular photoionization. <i>Nature</i> , 2010, 465, 763-766.	13.7	630
2	Ultrafast electron dynamics in phenylalanine initiated by attosecond pulses. <i>Science</i> , 2014, 346, 336-339.	6.0	615
3	Applications of B-splines in atomic and molecular physics. <i>Reports on Progress in Physics</i> , 2001, 64, 1815-1943.	8.1	608
4	Mechanical Isolation of Highly Stable Antimonene under Ambient Conditions. <i>Advanced Materials</i> , 2016, 28, 6332-6336.	11.1	444
5	Attosecond Electron Dynamics in Molecules. <i>Chemical Reviews</i> , 2017, 117, 10760-10825.	23.0	367
6	Charge-transfer-induced structural rearrangements at both sides of organic/metal interfaces. <i>Nature Chemistry</i> , 2010, 2, 374-379.	6.6	273
7	Reconstruction and control of a time-dependent two-electron wave packet. <i>Nature</i> , 2014, 516, 374-378.	13.7	245
8	Attosecond dynamics through a Fano resonance: Monitoring the birth of a photoelectron. <i>Science</i> , 2016, 354, 734-738.	6.0	213
9	Single Photon-Induced Symmetry Breaking of H <sub>2</sub> Dissociation. <i>Science</i> , 2007, 315, 629-633.	6.0	185
10	Long-range magnetic order in a purely organic 2D layer adsorbed on epitaxial graphene. <i>Nature Physics</i> , 2013, 9, 368-374.	6.5	158
11	Ionization and dissociation using B-splines: photoionization of the hydrogen molecule. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 1999, 32, R197-R231.	0.6	149
12	Attosecond Control in Photoionization of Hydrogen Molecules. <i>Physical Review Letters</i> , 2011, 107, 043002.	2.9	134
13	Role of Dispersion Forces in the Structure of Graphene Monolayers on Ru Surfaces. <i>Physical Review Letters</i> , 2011, 106, 186102.	2.9	129
14	Angular dependence of photoemission time delay in helium. <i>Physical Review A</i> , 2016, 94, .	1.0	119
15	Spectral phase measurement of a Fano resonance using tunable attosecond pulses. <i>Nature Communications</i> , 2016, 7, 10566.	5.8	119
16	Attosecond vacuum UV coherent control of molecular dynamics. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014, 111, 912-917.	3.3	116
17	Anisotropic photoemission time delays close to a Fano resonance. <i>Nature Communications</i> , 2018, 9, 955.	5.8	116
18	Complete Photo-Induced Breakup of the H <sub>2</sub> Molecule as a Probe of Molecular Electron Correlation. <i>Science</i> , 2005, 310, 1787-1789.	6.0	115

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19	Direct observation of Young's double-slit interferences in vibrationally resolved photoionization of diatomic molecules. Proceedings of the National Academy of Sciences of the United States of America, 2011, 108, 7302-7306.	3.3	108
20	The doubly excited states of the H <sub>2</sub> molecule. Journal of Chemical Physics, 1997, 106, 7720-7730.	1.2	105
21	Two-photon double ionization of helium above and below the threshold for sequential ionization. Physical Review A, 2007, 76, .	1.0	105
22	Interferences from Fast Electron Emission in Molecular Photoionization. Physical Review Letters, 2007, 98, 043005.	2.9	102
23	Attosecond coupled electron and nuclear dynamics in dissociative ionization of H <sub>2</sub> . Nature Physics, 2018, 14, 733-738.	6.5	102
24	Time-dependent theoretical description of molecular autoionization produced by femtosecond xuv laser pulses. Physical Review A, 2006, 73, .	1.0	93
25	Double photoionization of aligned molecular hydrogen. Physical Review A, 2006, 74, .	1.0	85
26	Atomically resolved phase transition of fullerene cations solvated in helium droplets. Nature Communications, 2016, 7, 13550.	5.8	84
27	Charge migration induced by attosecond pulses in bio-relevant molecules. Journal of Physics B: Atomic, Molecular and Optical Physics, 2016, 49, 142001.	0.6	80
28	Theoretical study of ionization potentials and dissociation energies of C <sub>n</sub> <sup>+</sup> fullerenes (n=50-60). J. Chem. Phys. 2000, 112, 1078.	1.2	78
29	Theoretical treatment of double photoionization of helium using a B-spline implementation of exterior complex scaling. Physical Review A, 2004, 69, .	1.0	76
30	Implementation of exterior complex scaling in B-splines to solve atomic and molecular collision problems. Journal of Physics B: Atomic, Molecular and Optical Physics, 2004, 37, 917-936.	0.6	75
31	Dynamics of Glycine Dications in the Gas Phase: Ultrafast Intramolecular Hydrogen Migration versus Coulomb Repulsion. Journal of Physical Chemistry Letters, 2013, 4, 3903-3909.	2.1	74
32	Attosecond Pump-Probe Spectroscopy of Charge Dynamics in Tryptophan. Journal of Physical Chemistry Letters, 2018, 9, 4570-4577.	2.1	74
33	In-Plane and Out-of-Plane Diffraction of H <sub>2</sub> from Metal Surfaces. Physical Review Letters, 2004, 93, 246104.	2.9	72
34	Crossover Site-Selectivity in the Adsorption of the Fullerene Derivative PCBM on Au(111). Angewandte Chemie - International Edition, 2007, 46, 7874-7877.	7.2	70
35	Correlated Electron and Nuclear Dynamics in Strong Field Photoionization of $H^{2+}$ . Physical Review Letters, 2013, 110, 113001.	2.9	69
36	Structures, Energetics, and Dynamics of Helium Adsorbed on Isolated Fullerene Ions. Physical Review Letters, 2012, 108, 076101.	2.9	68

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37	A practical solution to the "unknown normalization" problem. International Journal of Quantum Chemistry, 1988, 33, 279-300.	1.0	66
38	Investigating two-photon double ionization of $D$ by XUV-pump XUV-probe experiments. Physical Review A, 2010, 81, .	1.0	65
39	Origin of Unidentified Structures in Resonant Dissociative Photoionization of $H_2$ . Physical Review Letters, 1997, 79, 1654-1657.	2.9	64
40	Ultrafast Nonadiabatic Fragmentation Dynamics of Doubly Charged Uracil in a Gas Phase. Physical Review Letters, 2011, 107, 023202.	2.9	63
41	Hybrid Gaussian $B$ -spline basis for the electronic continuum: Photoionization of atomic hydrogen. Physical Review A, 2014, 90, .	1.0	63
42	Molecular Growth Inside of Polycyclic Aromatic Hydrocarbon Clusters Induced by Ion Collisions. Journal of Physical Chemistry Letters, 2015, 6, 1536-1542.	2.1	62
43	Resonance parameters and properties of helium-like doubly excited states: $2 \leq Z \leq 10$ . Atomic Data and Nuclear Data Tables, 1991, 48, 167-212.	0.9	61
44	Formations of Dumbbell $C_{118}$ and $C_{119}$ inside Clusters	2.9	61
45	Interference effects in $H_2$ photoionization at high energies. Journal of Physics B: Atomic, Molecular and Optical Physics, 2004, 37, 3035-3042.	0.6	60
46	Angular asymmetry of low-energy electron emission in ion-atom collisions. Physical Review A, 1996, 53, 3243-3246.	1.0	59
47	Modulation of Attosecond Beating in Resonant Two-Photon Ionization. Physical Review Letters, 2014, 113, 263001.	2.9	58
48	Resonance parameters and properties of beryllium-like doubly excited states: $4 \leq Z \leq 10$ . Atomic Data and Nuclear Data Tables, 1990, 44, 305-348.	0.9	57
49	Doubly excited autoionizing states of $H_2$ above the second ionization threshold: the Q2 resonance series. Journal of Chemical Physics, 1999, 110, 6702-6713.	1.2	57
50	Attosecond timing of electron emission from a molecular shape resonance. Science Advances, 2020, 6, eaba7762.	4.7	57
51	Time delays from one-photon transitions in the continuum. Optica, 2020, 7, 154.	4.8	57
52	Resonant dissociative photoionization of $H_2$ and $D_2$ . Physical Review A, 1998, 57, 1006-1017.	1.0	56
53	Fullerene C50: Sphericity takes over, not strain. Chemical Physics Letters, 2005, 407, 153-158.	1.2	56
54	Pronounced out-of-plane diffraction of $H_2$ molecules from a Pd(111) surface. Chemical Physics Letters, 2004, 390, 250-255.	1.2	55

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55	Coulomb Stability Limit of Highly Charged C <sub>60</sub> <sup>q+</sup> Fullerenes. <i>Physical Review Letters</i> , 2005, 95, 013401.	2.9	55
56	Enhancing High-Order Harmonic Generation in Light Molecules by Using Chirped Pulses. <i>Physical Review Letters</i> , 2016, 117, 093003.	2.9	55
57	Simple discretization method for autoionization widths. I. Theory. <i>Physical Review A</i> , 1987, 36, 4179-4186.	1.0	54
58	Enhancement and Control of H <sub>2</sub> Dissociative Ionization by Femtosecond VUV Laser Pulses. <i>Physical Review Letters</i> , 2006, 96, 143001.	2.9	54
59	Classical Two-Slit Interference Effects in Double Photoionization of Molecular Hydrogen at High Energies. <i>Physical Review Letters</i> , 2008, 101, 183002.	2.9	54
60	Hybrid-Basis Close-Coupling Interface to Quantum Chemistry Packages for the Treatment of Ionization Problems. <i>Journal of Chemical Theory and Computation</i> , 2017, 13, 499-514.	2.3	54
61	Photoionization of He above the n=2 threshold. <i>Physical Review A</i> , 1991, 44, 7318-7334.	1.0	52
62	Representation of the electronic continuum of with B-spline basis. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 1997, 30, 679-692.	0.6	52
63	Roadmap on photonic, electronic and atomic collision physics: I. Light-matter interaction. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 2019, 52, 171001.	0.6	52
64	Simple discretization method for autoionization widths. II. Atoms. <i>Physical Review A</i> , 1987, 36, 4187-4202.	1.0	51
65	Disclosing intrinsic molecular dynamics on the 1-fs scale through extreme-ultraviolet pump-probe measurements. <i>Physical Review A</i> , 2014, 89, .	1.0	51
66	Two-photon finite-pulse model for resonant transitions in attosecond experiments. <i>Physical Review A</i> , 2016, 93, .	1.0	51
67	Multichannel Dissociation in Resonant Photoionization of H <sub>2</sub> . <i>Physical Review Letters</i> , 1999, 82, 3775-3778.	2.9	50
68	Theoretical methods for attosecond electron and nuclear dynamics: applications to the H <sub>2</sub> molecule. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 2015, 48, 242001.	0.6	50
69	The quantum chemistry of attosecond molecular science. <i>Wiley Interdisciplinary Reviews: Computational Molecular Science</i> , 2020, 10, e1430.	6.2	50
70	High harmonic generation in crystals using maximally localized Wannier functions. <i>Physical Review B</i> , 2019, 100, .	1.1	49
71	Feshbach-model potential approach for the study of resonant and bound states of Be-like ions. <i>Physical Review A</i> , 1990, 41, 3534-3544.	1.0	47
72	Fragmentation of Highly Excited Small Neutral Carbon Clusters. <i>Physical Review Letters</i> , 2004, 93, 063401.	2.9	45

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73	Adsorption of Hydrogen Molecules on Carbon Nanotubes Using Quantum Chemistry and Molecular Dynamics. <i>Journal of Physical Chemistry A</i> , 2016, 120, 6451-6458.	1.1	45
74	Multicenter-Gaussian representation of resonant charge transfer in atom-surface interaction. <i>Surface Science</i> , 1996, 356, 247-256.	0.8	44
75	Nonperturbative theory of double photoionization of the hydrogen molecule. <i>Physical Review A</i> , 2004, 70, .	1.0	44
76	Density functional theory study of H and H <sub>2</sub> interacting with NiAl(110). <i>Journal of Chemical Physics</i> , 2004, 121, 751-760.	1.2	44
77	Excitation and ionization of molecular hydrogen by ultrashort vuv laser pulses. <i>Physical Review A</i> , 2007, 75, .	1.0	44
78	A Multicoincidence Study of Fragmentation Dynamics in Collision of <sup>13</sup> C-Aminobutyric Acid with Low-Energy Ions. <i>Chemistry - A European Journal</i> , 2012, 18, 9321-9332.	1.7	44
79	Structure and Electronic Properties of Fullerenes C <sub>52</sub> <sup>q+</sup> : Is C <sub>52</sub> <sup>2+</sup> an Exception to the Pentagon Adjacency Penalty Rule?. <i>ChemPhysChem</i> , 2005, 6, 92-100.	1.0	43
80	Circular Dichroism in Photoionization of $H^+$ . <i>Physical Review Letters</i> , 2010, 104, 233003.	2.9	43
81	Surface-Supported Robust 2D Lanthanide-Carboxylate Coordination Networks. <i>Small</i> , 2015, 11, 6358-6364.	5.2	43
82	Decoherence, control and attosecond probing of XUV-induced charge migration in biomolecules. A theoretical outlook. <i>Faraday Discussions</i> , 2016, 194, 41-59.	1.6	43
83	Structure and electronic properties of highly charged C <sub>60</sub> and C <sub>58</sub> fullerenes. <i>Journal of Chemical Physics</i> , 2005, 123, 184306.	1.2	41
84	Cage connectivity and frontier $\pi$ orbitals govern the relative stability of charged fullerene isomers. <i>Nature Chemistry</i> , 2015, 7, 927-934.	6.6	41
85	Reconstruction of an excited-state molecular wave packet with attosecond transient absorption spectroscopy. <i>Physical Review A</i> , 2016, 94, .	1.0	41
86	Time-frequency representation of autoionization dynamics in helium. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 2018, 51, 044002.	0.6	41
87	Completely integrable method for strong-coupling multichannel photoionization: Photoelectron emission of He between the N=3 and 4 thresholds. <i>Physical Review A</i> , 1993, 48, 331-337.	1.0	40
88	Double-slit experiment with a polyatomic molecule: vibrationally resolved C 1s photoelectron spectra of acetylene. <i>New Journal of Physics</i> , 2012, 14, 033012.	1.2	40
89	Photoionization of He-like systems below the N=2 threshold. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 1990, 23, 4263-4274.	0.6	39
90	Stable Non-IPR C <sub>60</sub> and C <sub>70</sub> Fullerenes Containing a Uniform Distribution of Pyrenes and Adjacent Pentagons. <i>ChemPhysChem</i> , 2008, 9, 861-866.	1.0	39

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91	Intramolecular photoelectron diffraction in the gas phase. <i>Journal of Chemical Physics</i> , 2013, 139, 124306.	1.2	39
92	Determination of Energy-Transfer Distributions in Ionizing Ion-Molecule Collisions. <i>Physical Review Letters</i> , 2016, 117, 073201.	2.9	39
93	Feshbach Resonant Energies and Widths in a Pseudopotential Approach. <i>Europhysics Letters</i> , 1987, 4, 799-804.	0.7	38
94	Step-ladder Rabi oscillations in molecules exposed to intense ultrashort vuv pulses. <i>Physical Review A</i> , 2006, 74, .	1.0	38
95	Tracing direct and sequential two-photon double ionization of $D_2$ in femtosecond extreme-ultraviolet laser pulses. <i>Physical Review A</i> , 2010, 81, .	1.0	37
96	Intramolecular electron diffraction in vibrationally resolved $K$ -shell photoionization of methane. <i>Physical Review A</i> , 2012, 85, .	1.0	37
97	Role of Nuclear Motion in Double Ionization of Molecular Hydrogen by a Single Photon. <i>Physical Review Letters</i> , 2007, 98, 073001.	2.9	36
98	Two-photon double ionization of $H_2$ at 30 eV using exterior complex scaling. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 2009, 42, 134013.	0.6	36
99	Effects of molecular potential and geometry on atomic core-level photoemission over an extended energy range: The case study of the CO molecule. <i>Physical Review A</i> , 2013, 88, .	1.0	36
100	Internal energy dependence in x-ray-induced molecular fragmentation: An experimental and theoretical study of thiophene. <i>Physical Review A</i> , 2015, 91, .	1.0	36
101	Key Structural Motifs To Predict the Cage Topology in Endohedral Metallofullerenes. <i>Journal of the American Chemical Society</i> , 2016, 138, 1551-1560.	6.6	36
102	Relative Stability of Empty Exohedral Fullerenes: $\pi$ Delocalization versus Strain and Steric Hindrance. <i>Journal of the American Chemical Society</i> , 2017, 139, 1609-1617.	6.6	36
103	Time-resolved molecular dynamics of single and double hydrogen migration in ethanol. <i>Nature Communications</i> , 2019, 10, 2813.	5.8	36
104	Feshbach and pseudopotential theories. A useful analogy. <i>Journal of Chemical Physics</i> , 1987, 87, 6635-6642.	1.2	35
105	Multichannel close-coupling method with $L^2$ integrable bases. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 1994, 27, 5741-5760.	0.6	35
106	Lattice-matched versus lattice-mismatched models to describe epitaxial monolayer graphene on Ru(0001). <i>Physical Review B</i> , 2013, 88, .	1.1	35
107	Elastic Response of Graphene Nanodomes. <i>ACS Nano</i> , 2013, 7, 2927-2934.	7.3	35
108	Statistical fragmentation of small neutral carbon clusters. <i>Physical Review A</i> , 2005, 71, .	1.0	34





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127	Multiple ionization and hydrogen loss from neutral and positively-charged coronene. Journal of Chemical Physics, 2014, 140, 204307.	1.2	31
128	Angular distribution of H <sub>2</sub> molecules scattered from the Pd(111) surface. Journal of Chemical Physics, 2003, 118, 2886.	1.2	30
129	First- and second-electron affinities of C <sub>60</sub> and C <sub>70</sub> isomers. Physical Review A, 2007, 76, .	1.0	30
130	Double-slit, confinement, and non-Franck-Condon effects in photoionization of $H_2$ at high photon energy. Physical Review A, 2009, 79, .	1.0	30
131	A density functional theory study of the manganese-phthalocyanine. Theoretical Chemistry Accounts, 2011, 128, 497-503.	0.5	30
132	Dressing effects in the attosecond transient absorption spectra of doubly excited states in helium. Physical Review A, 2015, 91, .	1.0	30
133	Electron Correlation in the Ionization Continuum of Molecules: Photoionization of N <sub>2</sub> in the Vicinity of the Hopfield Series of Autoionizing States. Journal of Physical Chemistry Letters, 2018, 9, 756-762.	2.1	30
134	Publisher Correction: Angle-dependent interferences in electron emission accompanying stimulated Compton scattering from molecules. Communications Physics, 2022, 5, .	2.0	30
135	Photodetachment of H $\dot{a}$ with excitation to H(N=2). Physical Review A, 1993, 48, 1227-1238.	1.0	29
136	Double excitation of helium by ion impact. I. Theory. Journal of Physics B: Atomic, Molecular and Optical Physics, 1995, 28, 639-652.	0.6	29
137	Two-photon ionization of H <sub>2</sub> by short laser pulses. Physical Review A, 2005, 71, .	1.0	29
138	Ionization potentials and dissociation energies of neutral, singly and doubly charged C <sub>n</sub> fullerenes from n=20 to 70. International Journal of Mass Spectrometry, 2006, 252, 133-141.	0.7	29
139	Electron and ion angular distributions in resonant dissociative photoionization of H <sub>2</sub> and D <sub>2</sub> using linearly polarized light. New Journal of Physics, 2009, 11, Two-center effects in one-photon single ionization of $H_2$	1.2	29
140	$H_2$ using linearly polarized light. New Journal of Physics, 2009, 11, Two-center effects in one-photon single ionization of $H_2$	1.0	29
141	Unusual hydroxyl migration in the fragmentation of L-alanine dication in the gas phase. Physical Chemistry Chemical Physics, 2015, 17, 16767-16778.	1.3	29
142	Even harmonic generation in isotropic media of dissociating homonuclear molecules. Scientific Reports, 2016, 6, 32653.	1.6	29
143	Double excitation of helium by ion impact. II. Experiment and theory for 2-3 MeV proton impact. Journal of Physics B: Atomic, Molecular and Optical Physics, 1995, 28, 653-670.	0.6	28
144	A classical dynamics method for H <sub>2</sub> diffraction from metal surfaces. Journal of Chemical Physics, 2005, 122, 154706.	1.2	28

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145	Magic and hot giant fullerenes formed inside ion irradiated weakly bound C60 clusters. Journal of Chemical Physics, 2010, 133, 104301.	1.2	28
146	Imaging the square of the correlated two-electron wave function of a hydrogen molecule. Nature Communications, 2017, 8, 2266.	5.8	28
147	Attosecond photoionisation time delays reveal the anisotropy of the molecular potential in the recoil frame. Nature Communications, 2022, 13, 1242.	5.8	28
148	Adiabatic energies and radial couplings of the $3\hat{1}\Sigma^+u$ states of H2. Journal of Chemical Physics, 1987, 86, 4982-4989.	1.2	27
149	Doubly excited states populated in collisions of O8+ ions with He and H2 at 1.24 keV amu <sup>-1</sup> . Journal of Physics B: Atomic, Molecular and Optical Physics, 1990, 23, 3659-3675.	0.6	27
150	Charge Transfer and Dissociation in Collisions of Metal Clusters with Atoms. Physical Review Letters, 2002, 89, 183402.	2.9	27
151	Theoretical study of hydrogen dissociative adsorption on strained pseudomorphic monolayers of Cu and Pd deposited onto a Ru(0001) substrate. Physical Chemistry Chemical Physics, 2009, 11, 7303.	1.3	27
152	Vibrational branching ratios in the photoelectron spectra of N2 and CO: interference and diffraction effects. Physical Chemistry Chemical Physics, 2012, 14, 10853.	1.3	27
153	Formation dynamics of fullerene dimers $\text{C}_{118} + \text{C}_{119} \rightarrow \text{C}_{237}$ Physical Review A, 2014, 89, .	1.0	27
154	Control of photoemission delay in resonant two-photon transitions. Physical Review A, 2017, 95, .	1.0	27
155	Energies and widths of $(1s23l3l\hat{a}\epsilon^2)$ resonant states of C2+, N3+, O4+, and Ne6+. Physical Review A, 1988, 38, 1094-1097.	1.0	26
156	Structural Patterns in Fullerenes Showing Adjacent Pentagons: C20 to C72. Journal of Nanoscience and Nanotechnology, 2007, 7, 1329-1338.	0.9	26
157	Photoionization using the xchem approach: Total and partial cross sections of Ne and resonance parameters above the $2s^2$ threshold. Physical Review A, 2017, 96, .	1.0	26
158	Disentangling Spectral Phases of Interfering Autoionizing States from Attosecond Interferometric Measurements. Physical Review Letters, 2019, 122, 253203.	2.9	26
159	Single and double charge transfer in Be4++He collisions: A molecular (Feshbach) approach. Physical Review A, 1986, 34, 4675-4681.	1.0	25
160	Autoionizing $1\hat{1}\Sigma^+u$ and $1\hat{1}\Sigma^+g$ states of H2 above the third and fourth ionization thresholds. Journal of Physics B: Atomic, Molecular and Optical Physics, 2001, 34, 4141-4153.	0.6	25
161	Production of excited atomic hydrogen and deuterium from H2 and D2 photodissociation. Journal of Physics B: Atomic, Molecular and Optical Physics, 2006, 39, 4871-4882.	0.6	25
162	Asymmetric electron angular distributions in resonant dissociative photoionization of H2 with ultrashort xuv pulses. Physical Review A, 2009, 80, .	1.0	25

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163	Mapping the Dissociative Ionization Dynamics of Molecular Nitrogen with Attosecond Time Resolution. <i>Physical Review X</i> , 2015, 5, .	2.8	25
164	Two-Particle Interference of Electron Pairs on a Molecular Level. <i>Physical Review Letters</i> , 2016, 117, 083002.	2.9	25
165	Electron Correlation in Multiple Excitation of Atoms by High-Energy Ions. <i>Physical Review Letters</i> , 1996, 76, 1437-1440.	2.9	24
166	Quantum dynamical study of the H <sub>2</sub> and D <sub>2</sub> dissociative adsorption and diffraction from the NiAl (110) alloy surface. <i>Physical Review B</i> , 2006, 73, .	1.1	24
167	Theoretical study of the structure of self-assembled monolayers of short alkylthiolates on Au(111) and Ag(111): the role of induced substrate reconstruction and chain-chain interactions. <i>Physical Chemistry Chemical Physics</i> , 2011, 13, 9353.	1.3	24
168	Reproducibility of Observables and Coherent Control in Molecular Photoionization: From Continuous Wave to Ultrashort Pulsed Radiation. <i>Journal of Physical Chemistry A</i> , 2012, 116, 2704-2712.	1.1	24
169	Probing the Site-Dependent Kondo Response of Nanostructured Graphene with Organic Molecules. <i>Nano Letters</i> , 2014, 14, 4560-4567.	4.5	24
170	Accurate evaluation of multiple-excitation cross sections from one-electron amplitudes. <i>Physical Review A</i> , 1997, 55, 2004-2008.	1.0	23
171	Theoretical analysis of the relation between H <sub>2</sub> dissociation and reflection on Pd surfaces. <i>Journal of Chemical Physics</i> , 2004, 120, 321-328.	1.2	23
172	Ab initio time-dependent method to study the hydrogen molecule exposed to intense ultrashort laser pulses. <i>Journal of Electron Spectroscopy and Related Phenomena</i> , 2007, 161, 182-187.	0.8	23
173	High harmonic spectroscopy of electron localization in the hydrogen molecular ion. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 2014, 47, 204015.	0.6	23
174	Chain-Length and Temperature Dependence of Self-Assembled Monolayers of Alkylthiolates on Au(111) and Ag(111) Surfaces. <i>Journal of Physical Chemistry A</i> , 2014, 118, 4138-4146.	1.1	23
175	Extensive L <sub>2</sub> calculation of partial photoionization cross sections of He in the 4lnl <sup>TM</sup> resonance region. <i>Physical Review A</i> , 1993, 48, 1243-1251.	1.0	22
176	Fragmentation in collisions of Na <sup>9+</sup> clusters with Cs atoms. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 2001, 34, 3331-3355.	0.6	22
177	Size dependence of ionization potentials and dissociation energies for neutral and singly-charged C <sub>n</sub> fullerenes (n=40-70). <i>Chemical Physics Letters</i> , 2005, 416, 14-17.	1.2	22
178	Quantum and classical dynamics of H <sub>2</sub> scattering from Pd(111) at off-normal incidence. <i>Physical Review B</i> , 2005, 72, .	1.1	22
179	Ionization and fragmentation of water clusters by fast highly charged ions. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 2009, 42, 075101.	0.6	22
180	Impact ionization of molecular oxygen by 3.5-MeV/u bare carbon ions. <i>Physical Review A</i> , 2012, 85, .	1.0	22

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181	Relationship between polarization-averaged molecular-frame photoelectron angular distributions and geometry. <i>Physical Review A</i> , 2013, 88, .	1.0	22
182	Fragmentation Dynamics of Doubly Charged Methionine in the Gas Phase. <i>Journal of Physical Chemistry A</i> , 2014, 118, 1374-1383.	1.1	22
183	Diffraction of H from LiF(001): From slow normal incidence to fast grazing incidence. <i>Nuclear Instruments &amp; Methods in Physics Research B</i> , 2016, 382, 49-53.	0.6	22
184	Understanding the self-assembly of TCNQ on Cu(111): a combined study based on scanning tunnelling microscopy experiments and density functional theory simulations. <i>RSC Advances</i> , 2016, 6, 15071-15079.	1.7	22
185	Polypeptide formation in clusters of $\hat{1}^2$ -alanine amino acids by single ion impact. <i>Nature Communications</i> , 2020, 11, 3818.	5.8	22
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