Fernando Martin

List of Publications by Year
in descending order

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Version: 2024-02-01

539 papers	14,209 citations	34493 54 h-index	42259 96 g-index
543 all docs	543 docs citations	543 times ranked	8287 citing authors

#	Article	IF	Citations
1	Publisher Correction: Angle-dependent interferences in electron emission accompanying stimulated Compton scattering from molecules. Communications Physics, 2022, 5, .	2.0	30
2	Controlling the diversity of ion-induced fragmentation pathways by N-methylation of amino acids. Physical Chemistry Chemical Physics, 2022, 24, 941-954.	1.3	3
3	A simple model to engineer single-molecule conductance of acenes by chemical disubstitution. Nanoscale, 2022, 14, 464-472.	2.8	2
4	Isolating Attosecond Electron Dynamics in Molecules where Nuclei Move Fast. Physical Review Letters, 2022, 128, 063001.	2.9	15
5	Vibrationally resolved photoelectron angular distributions of ammonia. Physical Chemistry Chemical Physics, 2022, 24, 7700-7712.	1.3	1
6	Attosecond photoionisation time delays reveal the anisotropy of the molecular potential in the recoil frame. Nature Communications, 2022, 13, 1242.	5.8	28
7	Scattering effects from neighboring atoms in core-level <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:msub><mml:mi>WSe</mml:mi><mml:mn>2</mml:mn></mml:msub></ photoemission. Physical Review B, 2022, 105, .	1.1	0
8	Asymmetric electron angular distributions in <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:msub><mml:mi mathvariant="normal">H</mml:mi><mml:mn>2</mml:mn></mml:msub></mml:math> induced by intense ultrashort soft-x-ray laser pulses. Physical Review A, 2022, 105, .	1.0	1
9	Cluster approach to scattering in MoS2 photoemission. Chemical Physics, 2022, 557, 111476.	0.9	1
10	Real-space subfemtosecond imaging of quantum electronic coherences in molecules. Nature Photonics, 2022, 16, 196-202.	15.6	32
11	Probing electronic decoherence with high-resolution attosecond photoelectron interferometry. European Physical Journal D, 2022, 76, .	0.6	7
12	Molecular fragmentation as a way to reveal early electron dynamics induced by attosecond pulses. Faraday Discussions, 2021, 228, 349-377.	1.6	13
13	Singleâ€Molecule Conductance of 1,4â€Azaborine Derivatives as Models of BNâ€doped PAHs. Angewandte Chemie - International Edition, 2021, 60, 6609-6616.	7.2	20
14	Normal and off-normal incidence dissociative dynamics of O₂(v,J) on ultrathin Cu films grown on Ru(0001). Physical Chemistry Chemical Physics, 2021, 23, 7768-7776.	1.3	0
15	Efficient photogeneration of nonacene on nanostructured graphene. Nanoscale Horizons, 2021, 6, 744-750.	4.1	9
16	Selecting two-photon sequential ionization pathways in H2 through harmonic filtering. Physical Chemistry Chemical Physics, 2021, 23, 22395-22403.	1.3	1
17	Imaging intramolecular hydrogen migration with time- and momentum-resolved photoelectron diffraction. Physical Chemistry Chemical Physics, 2021, 23, 20174-20182.	1.3	11
18	Attosecond x-ray transient absorption spectroscopy in graphene. Physical Review Research, 2021, 3, .	1.3	10

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19	Singleâ€Molecule Conductance of 1,4â€Azaborine Derivatives as Models of BNâ€doped PAHs. Angewandte Chemie, 2021, 133, 6683-6690.	1.6	2
20	Towards the complete phase profiling of attosecond wave packets. Physical Review Research, 2021, 3, .	1.3	7
21	Charge and energy sharing in the fragmentation of astrophysically relevant carbon clusters. Theoretical Chemistry Accounts, 2021, 140, 1.	0.5	1
22	Theoretical study of structural and electronic properties of <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:mn>2</mml:mn><mml:mi>H</mml:mi></mml:mrow></mml:m -phase transition metal dichalcogenides. Physical Review B, 2021, 103, .	1.1	17
23	Attosecond Ionization Time Delay Around a Shape Resonance in Nitrogen Measured by the RABBIT-2Ï‰ method. , 2021, , .		1
24	Molecular-Frame Photoelectron Angular Distributions of CO in the Vicinity of Feshbach Resonances: An XCHEM Approach. Journal of Chemical Theory and Computation, 2021, 17, 6330-6339.	2.3	9
25	Timing of charge migration in betaine by impact of fast atomic ions. Science Advances, 2021, 7, eabg9080.	4.7	2
26	Attosecond laser control of photoelectron angular distributions in XUV-induced ionization of H₂. Faraday Discussions, 2021, 228, 378-393.	1.6	5
27	Angle-dependent interferences in electron emission accompanying stimulated Compton scattering from molecules. Communications Physics, 2021, 4, .	2.0	3
28	Ultrafast molecular dynamics in ionized 1- and 2-propanol: from simple fragmentation to complex isomerization and roaming mechanisms. Physical Chemistry Chemical Physics, 2021, 24, 433-443.	1.3	11
29	The quantum chemistry of attosecond molecular science. Wiley Interdisciplinary Reviews: Computational Molecular Science, 2020, 10, e1430.	6.2	50
30	H₂ photoionization induced by XUV pulses and X-ray free electron lasers. Journal of Physics: Conference Series, 2020, 1412, 072042.	0.3	0
31	A look into the photoionization of medium-sized molecular systems from an XCHEM perspective. Journal of Physics: Conference Series, 2020, 1412, 152049.	0.3	0
32	UV-pump/UV-probe spectroscopy of N2. Journal of Physics: Conference Series, 2020, 1412, 072037.	0.3	0
33	Polypeptide formation in clusters of Î²-alanine amino acids by single ion impact. Nature Communications, 2020, 11, 3818.	5.8	22
34	Attosecond timing of electron emission from a molecular shape resonance. Science Advances, 2020, 6, eaba7762.	4.7	57
35	Defect formation in a graphene overlayer on ruthenium under high pressure. Physical Review B, 2020, 102, .	1.1	0
36	Quantum state holography to reconstruct the molecular wave packet using an attosecond XUVâ€“XUV pump-probe technique. Scientific Reports, 2020, 10, 12981.	1.6	11

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37	Hydrogenated polycyclic aromatic hydrocarbons: isomerism and aromaticity. Physical Chemistry Chemical Physics, 2020, 22, 21968-21976.	1.3	7
38	Accurate simulations of atomic diffractive scattering from KCl(0 0 1) under fast grazing incidence conditions. Nuclear Instruments & Methods in Physics Research B, 2020, 476, 1-9.	0.6	5
39	Disentangling spectral phases of interfering autoionizing states from attosecond interferometric measurements. Journal of Physics: Conference Series, 2020, 1412, 072010.	0.3	0
40	Attosecond XUV-pump/XUV-probe spectroscopy of glycine. Journal of Physics: Conference Series, 2020, 1412, 072036.	0.3	0
41	Ultrafast Laser-Induced Isomerization Dynamics in Acetonitrile. Journal of Physical Chemistry Letters, 2020, 11, 6724-6729.	2.1	21
42	Spinâ€“orbit-resolved spectral phase measurements around a Fano resonance. Journal of Physics B: Atomic, Molecular and Optical Physics, 2020, 53, 184003.	0.6	11
43	High harmonic generation-2Ï‰ attosecond stereo-photoionization interferometry in N₂. JPhys Photonics, 2020, 2, 024003.	2.2	15
44	Time delays from one-photon transitions in the continuum. Optica, 2020, 7, 154.	4.8	57
45	Isomers of Hydrogenated Polycyclic Aromatic Hydrocarbons Explain the Presence of Infrared Bands in the 3 Î¼m Region. Astrophysical Journal, 2020, 899, 18.	1.6	5
46	High-order phase measurements of attosecond wave packets. , 2020, , .		0
47	Atomic and Molecular Scattering Applications in an Apache Airavata Science Gateway. , 2020, , .		3
48	Attosecond Interferometry Using a HHG-2ï•€° Scheme. Studia Universitatis BabeÈ™-Bolyai Physica, 2020, 65, 35-47.	0.0	1
49	Time delays from one-photon transitions in the continuum. , 2020, , .		0
50	Time delays from one-photon transitions in the continuum. , 2020, , .		0
51	Resonant photoionization of O₂ up to the fourth ionization threshold. Physical Chemistry Chemical Physics, 2019, 21, 16497-16504.	1.3	10
52	Roadmap on photonic, electronic and atomic collision physics: I. Lightâ€“matter interaction. Journal of Physics B: Atomic, Molecular and Optical Physics, 2019, 52, 171001.	0.6	52
53	Disentangling Spectral Phases of Interfering Autoionizing States from Attosecond Interferometric Measurements. Physical Review Letters, 2019, 122, 253203.	2.9	26
54	Time-resolved molecular dynamics of single and double hydrogen migration in ethanol. Nature Communications, 2019, 10, 2813.	5.8	36

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55	Prominent out-of-plane diffraction in helium scattering from a methyl-terminated Si(111) surface. Physical Chemistry Chemical Physics, 2019, 21, 15879-15887.	1.3	2
56	High harmonic generation in crystals using maximally localized Wannier functions. Physical Review B, 2019, 100, .	1.1	49
57	Tunable Graphene Electronics with Local Ultrahigh Pressure. Advanced Functional Materials, 2019, 29, 1806715.	7.8	15
58	Coupled nuclear-electronic dynamics in photoionization of H2. EPJ Web of Conferences, 2019, 205, 06004.	0.1	0
59	Full-dimensional theoretical description of vibrationally resolved valence-shell photoionization of H2O. Structural Dynamics, 2019, 6, 054101.	0.9	7
60	Quantum Stereodynamics of H₂ Scattering from Co(0001): Influence of Reaction Channels. Journal of Physical Chemistry C, 2019, 123, 16223-16231.	1.5	8
61	Fully versus constrained statistical fragmentation of carbon clusters and their heteronuclear derivatives. Journal of Chemical Physics, 2019, 150, 144301.	1.2	4
62	Ultrafast imaging of laser-controlled non-adiabatic dynamics in NO₂ from time-resolved photoelectron emission. Physical Chemistry Chemical Physics, 2019, 21, 10038-10051.	1.3	8
63	Charge migration in photo-ionized aromatic amino acids. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2019, 377, 20170472.	1.6	15
64	Theoretical Study of NO Dissociation on an Open Flat Ru(101Ì…1) Surface. Journal of Physical Chemistry C, 2019, 123, 5488-5494.	1.5	0
65	Control defeasance by anti-alignment in the excited state. Physical Chemistry Chemical Physics, 2019, 21, 23620-23625.	1.3	4
66	Site-selective-induced isomerization of formamide. Physical Chemistry Chemical Physics, 2019, 21, 25626-25634.	1.3	6
67	Resonant Photoelectron Confinement in the SF₆ Molecule. Journal of Physical Chemistry A, 2019, 123, 1062-1068.	1.1	5
68	Performance of van der Waals DFT approaches for helium diffraction on metal surfaces. Journal of Physics Condensed Matter, 2019, 31, 135901.	0.7	4
69	Aromaticity, Coulomb repulsion, Ï€ delocalization or strain: who is who in endohedral metallofullerene stability?. Physical Chemistry Chemical Physics, 2019, 21, 124-131.	1.3	7
70	Anisotropic photoemission time delays close to a Fano resonance. Nature Communications, 2018, 9, 955.	5.8	116
71	Timeâ€“frequency representation of autoionization dynamics in helium. Journal of Physics B: Atomic, Molecular and Optical Physics, 2018, 51, 044002.	0.6	41
72	Attosecond coupled electron and nuclear dynamics in dissociative ionization of H2. Nature Physics, 2018, 14, 733-738.	6.5	102

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73	Topology-Based Approach to Predict Relative Stabilities of Charged and Functionalized Fullerenes. Journal of Chemical Theory and Computation, 2018, 14, 1791-1810.	2.3	21
74	Electron Correlation in the Ionization Continuum of Molecules: Photoionization of N₂ in the Vicinity of the Hopfield Series of Autoionizing States. Journal of Physical Chemistry Letters, 2018, 9, 756-762.	2.1	30
75	Electronic Properties of Sulfur Covered Ru(0001) Surfaces. Journal of Physical Chemistry A, 2018, 122, 2232-2240.	1.1	2
76	Monte Carlo wave-packet approach to trace nuclear dynamics in molecular excited states by XUV-pumpâ€"IR-probe spectroscopy. Physical Review A, 2018, 97, .	1.0	2
77	Coverage evolution of the unoccupied Density of States in sulfur superstructures on Ru(0001). Applied Surface Science, 2018, 433, 300-305.	3.1	3
78	A pumpâ€"probe scheme with a single chirped pulse to image electron and nuclear dynamics in molecules. New Journal of Physics, 2018, 20, 123004.	1.2	6
79	Graphene catalyzes the reversible formation of a Câ€"C bond between two molecules. Science Advances, 2018, 4, eaau9366.	4.7	9
80	Partial cross sections and interfering resonances in photoionization of molecular nitrogen. Physical Review A, 2018, 98, .	1.0	11
81	Control of <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:msub><mml:mrow><mml:mi mathvariant="normal">H</mml:mi></mml:mrow><mml:mrow><mml:mn>2</mml:mn></mml:mrow></mml:msub></mml:mrow></mml:math> Dissociative Ionization in the Nonlinear Regime Using Vacuum Ultraviolet Free-Electron Laser Pulses. Physical Review Letters, 2018, 121, 103002.	2.9	10
82	Tribute to Manuel YÃ¡Ã±ez and Otilia MÃ³. Journal of Physical Chemistry A, 2018, 122, 5671-5672.	1.1	0
83	Attosecond Pumpâ€"Probe Spectroscopy of Charge Dynamics in Tryptophan. Journal of Physical Chemistry Letters, 2018, 9, 4570-4577.	2.1	74
84	Realâ€Time Imaging of Ultrafast Charge Dynamics in Tetrafluoromethane from Attosecond Pumpâ€Probe Photoelectron Spectroscopy. Chemistry - A European Journal, 2018, 24, 12061-12070.	1.7	16
85	Reconstruction of the time-dependent electronic wave packet arising from molecular autoionization. Science Advances, 2018, 4, eaat3962.	4.7	14
86	Thickness-Dependent Reactivity of O₂ on Cu Layers Grown on Ru(0001) Surfaces. Journal of Physical Chemistry C, 2018, 122, 15529-15538.	1.5	8
87	Revealing the role of electron-electron correlations by mapping dissociation of highly excited D2+ using ultrashort XUV pulses. Physical Review A, 2018, 97, .	1.0	5
88	Including London Dispersion Forces in Density Functional Theory (DFT + D): Applications to Molecule(Atom)/Surface Phenomena. , 2018, , 1-9.		0
89	Relative Stability of Empty Exohedral Fullerenes: Ï€ Delocalization versus Strain and Steric Hindrance. Journal of the American Chemical Society, 2017, 139, 1609-1617.	6.6	36
90	Mapping and controlling ultrafast dynamics of highly excited <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:msub><mml:mi mathvariant="normal">H</mml:mi><mml:mn>2</mml:mn></mml:msub></mml:math> molecules by VUV-IR pump-probe schemes. Physical Review A, 2017, 95, .	1.0	10

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91	Screening effects on the electronic structure of the hydrogen molecular ion. Physical Review A, 2017, 95, .	1.0	9
92	Role of electron-nuclear coupled dynamics on charge migration induced by attosecond pulses in glycine. Chemical Physics Letters, 2017, 683, 357-364.	1.2	34
93	Attosecond Electron Dynamics in Molecules. Chemical Reviews, 2017, 117, 10760-10825.	23.0	367
94	Potential Energy Surfaces of Core-Hole and Shake-Up States for Dissociative Ionization Studies. Journal of Chemical Theory and Computation, 2017, 13, 1723-1736.	2.3	18
95	Generalized structural motif model for studying the thermodynamic stability of fullerenes: from C₆₀to graphene passing through giant fullerenes. Physical Chemistry Chemical Physics, 2017, 19, 19646-19655.	1.3	9
96	Hybrid-Basis Close-Coupling Interface to Quantum Chemistry Packages for the Treatment of Ionization Problems. Journal of Chemical Theory and Computation, 2017, 13, 499-514.	2.3	54
97	Exploring surface landscapes with molecules: rotationally induced diffraction of H₂ on LiF(001) under fast grazing incidence conditions. Physical Chemistry Chemical Physics, 2017, 19, 16317-16322.	1.3	8
98	Ultrafast charge dynamics in glycine induced by attosecond pulses. Physical Chemistry Chemical Physics, 2017, 19, 19767-19776.	1.3	34
99	Production of doubly-charged highly reactive species from the long-chain amino acid GABA initiated by Ar⁹⁺ionization. Physical Chemistry Chemical Physics, 2017, 19, 19609-19618.	1.3	13
100	Dissociative and non-dissociative adsorption of O₂ on Cu(111) and Cu_{ML}/Ru(0001) surfaces: adiabaticity takes over. Physical Chemistry Chemical Physics, 2017, 19, 10217-10221.	1.3	20
101	M₃C: A Computational Approach To Describe Statistical Fragmentation of Excited Molecules and Clusters. Journal of Chemical Theory and Computation, 2017, 13, 992-1009.	2.3	20
102	Tuning Intermolecular Charge Transfer in Donorâ€“Acceptor Two-Dimensional Crystals on Metal Surfaces. Journal of Physical Chemistry C, 2017, 121, 23505-23510.	1.5	11
103	Imaging ultrafast molecular wave packets with a single chirped UV pulse. Physical Review A, 2017, 95, .	1.0	6
104	Control of photoemission delay in resonant two-photon transitions. Journal of Physics: Conference Series, 2017, 875, 022040.	0.3	1
105	Control of photoemission delay in resonant two-photon transitions. Physical Review A, 2017, 95, .	1.0	27
106	Photoionization using the xchem approach: Total and partial cross sections of Ne and resonance parameters above the <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:mn>2</mml:mn><mml:msup><mml:mi>s</mml:mi><mml:mn> threshold. Physical Review A, 2017, 96, .	1.0	26
107	<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:msub><mml:mi mathvariant="normal">H</mml:mi><mml:mn>2</mml:mn></mml:msub><mml:mo>/</mml:mo><mml:mi>LiF</mml:mi><mml:mrow> diffractive scattering under fast grazing incidence using a DFT-based potential energy surface. Physical Review B, 2017, 96, .	1.1	7
108	A molecular clock for autoionization decay. Journal of Physics B: Atomic, Molecular and Optical Physics, 2017, 50, 144001.	0.6	2

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109	Attosecond transient absorption spectroscopy of helium above the <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:mi>N</mml:mi><mml:mo>=</mml:mo><mml:mn>2</mml:mn> ionization threshold. Physical Review A, 2017, 96, .	1.0	2
110	Effect of potential screening on the <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:msub><mml:mi mathvariant="normal">H</mml:mi><mml:mn>2</mml:mn></mml:msub></mml:math> autoionizing states. Physical Review A, 2017, 96, .	1.0	0
111	Imaging the square of the correlated two-electron wave function of a hydrogen molecule. Nature Communications, 2017, 8, 2266.	5.8	28
112	Excitation and fragmentation in high velocity C_nN⁺- He collisions. Journal of Physics: Conference Series, 2017, 875, 102022.	0.3	1
113	Mechanical Isolation of Highly Stable Antimonene under Ambient Conditions. Advanced Materials, 2016, 28, 6332-6336.	11.1	444
114	Fragmentation network of doubly charged methionine: Interpretation using graph theory. Journal of Chemical Physics, 2016, 145, 094302.	1.2	3
115	Structural dynamics: general discussion. Faraday Discussions, 2016, 194, 583-620.	1.6	0
116	Attosecond processes and X-ray spectroscopy: general discussion. Faraday Discussions, 2016, 194, 427-462.	1.6	0
117	Electronic and non-adiabatic dynamics: general discussion. Faraday Discussions, 2016, 194, 209-257.	1.6	3
118	Experimental and theoretical study of rotationally inelastic diffraction of H2(D2) from methyl-terminated Si(111). Journal of Chemical Physics, 2016, 145, 084705.	1.2	3
119	Even harmonic generation in isotropic media of dissociating homonuclear molecules. Scientific Reports, 2016, 6, 32653.	1.6	29
120	Angular dependence of photoemission time delay in helium. Physical Review A, 2016, 94, .	1.0	119
121	Diffraction of H from LiF(001): From slow normal incidence to fast grazing incidence. Nuclear Instruments & Methods in Physics Research B, 2016, 382, 49-53.	0.6	22
122	Understanding the self-assembly of TCNQ on Cu(111): a combined study based on scanning tunnelling microscopy experiments and density functional theory simulations. RSC Advances, 2016, 6, 15071-15079.	1.7	22
123	Adsorption of Hydrogen Molecules on Carbon Nanotubes Using Quantum Chemistry and Molecular Dynamics. Journal of Physical Chemistry A, 2016, 120, 6451-6458.	1.1	45
124	Reconstruction of an excited-state molecular wave packet with attosecond transient absorption spectroscopy. Physical Review A, 2016, 94, .	1.0	41
125	Determination of Energy-Transfer Distributions in Ionizing Ion-Molecule Collisions. Physical Review Letters, 2016, 117, 073201.	2.9	39
126	Decoherence, control and attosecond probing of XUV-induced charge migration in biomolecules. A theoretical outlook. Faraday Discussions, 2016, 194, 41-59.	1.6	43

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127	Enhancing High-Order Harmonic Generation in Light Molecules by Using Chirped Pulses. Physical Review Letters, 2016, 117, 093003.	2.9	55
128	Two-Particle Interference of Electron Pairs on a Molecular Level. Physical Review Letters, 2016, 117, 083002.	2.9	25
129	Atomically resolved phase transition of fullerene cations solvated in helium droplets. Nature Communications, 2016, 7, 13550.	5.8	84
130	Two-photon finite-pulse model for resonant transitions in attosecond experiments. Physical Review A, 2016, 93, .	1.0	51
131	Role of van der Waals forces in the diffraction of noble gases from metal surfaces. Physical Review B, 2016, 93, .	1.1	21
132	Thermal Transition from a Disordered, 2D Network to a Regular, 1D, Fe(II)â€“DCNQI Coordination Network. Journal of Physical Chemistry C, 2016, 120, 16712-16721.	1.5	4
133	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
134	Spectral phase measurement of a Fano resonance using tunable attosecond pulses. Nature Communications, 2016, 7, 10566.	5.8	119
135	Attosecond dynamics through a Fano resonance: Monitoring the birth of a photoelectron. Science, 2016, 354, 734-738.	6.0	213
136	Tuning high-harmonic generation by controlled deposition of ultrathin ionic layers on metal surfaces. Physical Review B, 2016, 94, .	1.1	3
137	Theoretical study of the interaction between molecular hydrogen and [MC₆₀]⁺ complexes. RSC Advances, 2016, 6, 27447-27451.	1.7	7
138	Key Structural Motifs To Predict the Cage Topology in Endohedral Metallofullerenes. Journal of the American Chemical Society, 2016, 138, 1551-1560.	6.6	36
139	Photoelectron diffraction in methane probed via vibrationally resolved inner-valence photoionization cross-section ratios. Physical Chemistry Chemical Physics, 2016, 18, 3214-3222.	1.3	4
140	Structure, Ionization, and Fragmentation of Neutral and Positively Charged Hydrogenated Carbon Clusters: C_nH_m^{q+} (n = 1â€“5, m =) Tj ETQq0 0 0 rgBT /Overlo		
141	Ultrafast Charge Dynamics Induced by XUV Attosecond Pulses in Bio-relevant Molecules. , 2016, , .		0
142	Dressing effects in the attosecond transient absorption spectra of doubly excited states in helium. Physical Review A, 2015, 91, .	1.0	30
143	Energy- and angle-resolved ionization of<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:msub><mml:mtext>H</mml:mtext><mml:mn>2</mml:mn></mml:msub><mml:mo>+</mml:mo></mml:mrow></mml:math>interacting with xuv subfemtosecond laser pulses. Physical Review A, 2015, 92, .	1.0	1
144	Two-photon double ionization of atomic beryllium with ultrashort laser pulses. Physical Review A, 2015, 92, .	1.0	8

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145	Mapping the Dissociative Ionization Dynamics of Molecular Nitrogen with Attosecond Time Resolution. Physical Review X, 2015, 5, .	2.8	25
146	Sub-laser-cycle control of coupled electronâ€“nuclear dynamics at a conical intersection. New Journal of Physics, 2015, 17, 113023.	1.2	13
147	Dynamical effects in the vibrationally resolved C 2s⁻¹ photoionization cross section ratios of Methane. Journal of Physics: Conference Series, 2015, 635, 112048.	0.3	0
148	Describing ionization of small molecules with a Gaussian and B-Splines Mixed Basis (GABS). Journal of Physics: Conference Series, 2015, 635, 112110.	0.3	2
149	Vibrationally resolved B 1s photoionization cross section of BF₃. Journal of Physics: Conference Series, 2015, 635, 112134.	0.3	0
150	Structure, Ionization and Fragmentation of Neutral and Positively Charged Hydrogenated Carbon Clusters: C_nH^{q+}_m (n = 1 â” 5, m =) Tj ETQq0 0 0 rgBT /Overlo	0.3	8
151	Attosecond transient absorption spectroscopy of molecular hydrogen. Journal of Physics: Conference Series, 2015, 635, 112070.	0.3	1
152	Merging quantum chemistry packages with B-splines for the multichannel scattering problem. Journal of Physics: Conference Series, 2015, 635, 092013.	0.3	2
153	Surfaceâ€Supported Robust 2D Lanthanideâ€Carboxylate Coordination Networks. Small, 2015, 11, 6358-6364.	5.2	43
154	Molecular dynamics of photodissociation: towards more complex systems. Journal of Physics: Conference Series, 2015, 635, 112105.	0.3	1
155	Understanding the rotational excitation in scattering of D₂ from CH₃-Si(111). Journal of Physics: Conference Series, 2015, 635, 032007.	0.3	0
156	Breakdown curves of carbon-based molecules for astrochemistry. Journal of Physics: Conference Series, 2015, 635, 032107.	0.3	0
157	Theoretical Modeling of Mass Spectrometry. Journal of Physics: Conference Series, 2015, 635, 072060.	0.3	0
158	Phase Measurement of a Fano Resonance Using Tunable Attosecond Pulses. Journal of Physics: Conference Series, 2015, 635, 092137.	0.3	0
159	High-Order Harmonic Generation from the Cu(111) surface. Journal of Physics: Conference Series, 2015, 635, 102010.	0.3	0
160	Control of ionization and dissociation of H2+by elliptically polarized ultra-short VUV laser pulses. Journal of Physics: Conference Series, 2015, 635, 112037.	0.3	0
161	Finite element DVR method for molecular single and double ionization by strong laser pulses. Journal of Physics: Conference Series, 2015, 635, 112042.	0.3	0
162	X-ray induced fragmentation dynamics of doubly charged L-alanine in gas phase. Journal of Physics: Conference Series, 2015, 635, 112094.	0.3	1

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163	Excitation of vibrational modes in the ionization of water molecule by XUV/X-ray radiation. Journal of Physics: Conference Series, 2015, 635, 112098.	0.3	0
164	Mapping the dissociative ionization dynamics of molecular nitrogen with attosecond resolution. Journal of Physics: Conference Series, 2015, 635, 112101.	0.3	0
165	Molecular Resolvent Operator for H₂⁺ molecule. Journal of Physics: Conference Series, 2015, 635, 112107.	0.3	0
166	An ab initio multiconfigurational description of core hole and shake up excited states in small molecules. Journal of Physics: Conference Series, 2015, 635, 112111.	0.3	0
167	Theoretical study of noble gases diffraction from Ru(0001) using van der Waals DFT-based potentials. Journal of Physics: Conference Series, 2015, 635, 032004.	0.3	0
168	Slow ion interaction with N-methylglycine and N-acetylglycine. Journal of Physics: Conference Series, 2015, 635, 032054.	0.3	0
169	Plasma screening effects in molecular hydrogen: modified energies and lifetimes of doubly excited states. Journal of Physics: Conference Series, 2015, 635, 072026.	0.3	0
170	Modulation of Attosecond Beating in Resonant Two-Photon Ionization. Journal of Physics: Conference Series, 2015, 635, 092011.	0.3	0
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