Volker Engel

List of Publications by Year
in descending order

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161	5,302	94433	98798
papers	citations	37 h-index	67 g-index

164	164	164	3590
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Photoluminescence and Conductivity of Self-Assembled Ï€â€“Ï€ Stacks of Perylene Bisimide Dyes. Chemistry - A European Journal, 2007, 13, 436-449.	3.3	552
2	Exciton Trapping in Ï€-Conjugated Materials: A Quantum-Chemistry-Based Protocol Applied to Perylene Bisimide Dye Aggregates. Journal of the American Chemical Society, 2008, 130, 12858-12859.	13.7	290
3	Photodissociation of water in the first absorption band: a prototype for dissociation on a repulsive potential energy surface. The Journal of Physical Chemistry, 1992, 96, 3201-3213.	2.9	196
4	FEMTOSECOND LASER PHOTOELECTRON SPECTROSCOPY ON ATOMS AND SMALL MOLECULES: Prototype Studies in Quantum Control. Annual Review of Physical Chemistry, 2005, 56, 25-56.	10.8	195
5	On the geometry dependence of molecular dimer spectra with an application to aggregates of perylene bisimide. Chemical Physics, 2006, 328, 354-362.	1.9	165
6	Photodissociation dynamics of H2O and D2O in the first absorption band: A complete ab initio treatment. Journal of Chemical Physics, 1988, 88, 129-148.	3.0	155
7	A quantum mechanical study of predissociation dynamics of NaI excited by a femtosecond laser pulse. Journal of Chemical Physics, 1989, 90, 6116-6128.	3.0	145
8	Femtosecond pumpâ€”probe study of the spreading and recurrence of a vibrational wave packet in Na2. Chemical Physics Letters, 1992, 191, 639-644.	2.6	143
9	Molecular state evolution after excitation with an ultra-short laser pulse: A quantum analysis of NaI and NaBr dissociation. Chemical Physics Letters, 1988, 152, 1-7.	2.6	125
10	Ultrafast Exciton Self-Trapping upon Geometry Deformation in Perylene-Based Molecular Aggregates. Journal of Physical Chemistry Letters, 2013, 4, 792-796.	4.6	123
11	Electron kinetic energy distributions from multiphoton ionization of Na2 with femtosecond laser pulses. Chemical Physics Letters, 1993, 212, 691-696.	2.6	99
12	Strong-field ionization dynamics of a modelH2molecule. Physical Review A, 2002, 65, .	2.5	97
13	Wave packet dynamics in different electronic states investigated by femtosecond time-resolved four-wave-mixing spectroscopy. Applied Physics B: Lasers and Optics, 2000, 71, 299-317.	2.2	87
14	Interference Structure in the Photoelectron Spectra Obtained from Multiphoton Ionization ofNa2with a Strong Femtosecond Laser Pulse. Physical Review Letters, 1994, 73, 3207-3210.	7.8	84
15	A timeâ€dependent interpretation of the absorption spectrum of CH3ONO. Journal of Chemical Physics, 1990, 92, 1-13.	3.0	78
16	Vibronic energies and spectra of molecular dimers. Journal of Chemical Physics, 2005, 122, 134103.	3.0	74
17	Twoâ€photon excitation of NaI with femtosecond laser pulses. Journal of Chemical Physics, 1989, 91, 1596-1602.	3.0	68
18	Singletâ€“Singlet Exciton Annihilation in an Exciton-Coupled Squaraine-Squaraine Copolymer: A Model toward Hetero-J-Aggregates. Journal of Physical Chemistry C, 2014, 118, 17467-17482.	3.1	67

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19	Mapping of waveâ€packet dynamics in a doubleâ€well potential via femtosecond pump/probe photoelectron spectroscopy. Journal of Chemical Physics, 1994, 101, 2673-2677.	3.0	65
20	Coherence, transients, and interference in photodissociation with ultrashort pulses. Journal of the Optical Society of America B: Optical Physics, 1990, 7, 1709.	2.1	61
21	Vibronic Transitions and Quantum Dynamics in Molecular Oligomers: A Theoretical Analysis with an Application to Aggregates of Perylene Bisimides. Journal of Physical Chemistry A, 2009, 113, 13475-13482.	2.5	58
22	Femtosecond pump/probe experiments and ionization: the time dependence of the total ion signal. Chemical Physics Letters, 1991, 178, 130-134.	2.6	57
23	Femtosecond pump-probe spectroscopy: A theoretical analysis of transient signals and their relation to nuclear wave-packet motion. International Reviews in Physical Chemistry, 2001, 20, 93-126.	2.3	57
24	The reflection of predissociation dynamics in pump/probe photoelectron distributions. Journal of Chemical Physics, 1996, 105, 530-534.	3.0	56
25	Identification of Ultrafast Relaxation Processes As a Major Reason for Inefficient Exciton Diffusion in Perylene-Based Organic Semiconductors. Journal of the American Chemical Society, 2014, 136, 9327-9337.	13.7	56
26	The dimer-approach to characterize opto-electronic properties of and exciton trapping and diffusion in organic semiconductor aggregates and crystals. Physical Chemistry Chemical Physics, 2017, 19, 12604-12619.	2.8	56
27	Approximative calculation of shortâ€pulse pumpâ€“probe ionization signals. Journal of Chemical Physics, 1995, 103, 7907-7911.	3.0	54
28	cAACâ€Stabilized 9,10â€diboraanthracenesâ€”Acenes with Openâ€Shell Singlet Biradical Ground States. Angewandte Chemie - International Edition, 2020, 59, 19338-19343.	13.8	54
29	Non-perturbative wave-packet calculations of time-resolved four-wave-mixing signals. Applied Physics B: Lasers and Optics, 2000, 71, 293-297.	2.2	50
30	A theoretical study of I2 vibrational motion after excitation with an ultrashort pulse. Journal of Chemical Physics, 1990, 93, 5693-5699.	3.0	49
31	Vibrational state distributions following the photodissociation of (collinear) triatomic molecules: The vibrational reflection principle in model calculations for CF3I. Journal of Chemical Physics, 1986, 84, 5444-5454.	3.0	46
32	Femtosecond time-resolved CARS and DFWM spectroscopy on gas-phase I2: a wave-packet description. Journal of Raman Spectroscopy, 2000, 31, 33-39.	2.5	45
33	Lewis-Base Stabilization of the Parent Al(I) Hydride under Ambient Conditions. Journal of the American Chemical Society, 2019, 141, 16954-16960.	13.7	45
34	Local control theory applied to molecular photoassociation. Journal of Chemical Physics, 2007, 127, 084115.	3.0	44
35	The study of NaI predissociation with pump-probe femtosecond laser pulses: The use of an ionizing probe pulse to obtain more detailed dynamic information. Chemical Physics Letters, 1989, 155, 77-82.	2.6	42
36	Two-dimensional probing of ground-state vibrational dynamics in porphyrin molecules by fs-CARS. Journal of Raman Spectroscopy, 2001, 32, 771-784.	2.5	42

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37	The role of specific normal modes during non-Born-Oppenheimer dynamics: the S1-S0 internal conversion of ?-carotene interrogated on a femtosecond time-scale with coherent anti-Stokes Raman scattering. Journal of Raman Spectroscopy, 2002, 33, 844-854.	2.5	42
38	Twoâ€photon waveâ€packet interferometry. Journal of Chemical Physics, 1994, 100, 5448-5458.	3.0	38
39	CH3ONO predissociation by ultrashort laser pulses: Population transients and product state distribution. Journal of Chemical Physics, 1990, 92, 2317-2327.	3.0	37
40	Time-dependent electron localization functions for coupled nuclear-electronic motion. Journal of Chemical Physics, 2004, 121, 9666-9670.	3.0	37
41	Theoretical Analysis of the Relaxation Dynamics in Perylene Bisimide Dimers Excited by Femtosecond Laser Pulses. Journal of Physical Chemistry A, 2014, 118, 1403-1412.	2.5	36
42	A theoretical analysis of the time-resolved femtosecond CARS spectrum of I2. Chemical Physics Letters, 1997, 281, 332-336.	2.6	35
43	Instantaneous dynamics and quantum control fields: Principle and numerical applications. Journal of Chemical Physics, 2005, 122, 184103.	3.0	33
44	Simulation of femtosecond time-resolved four-wave mixing experiments on I2. Chemical Physics Letters, 1999, 301, 248-254.	2.6	32
45	Attosecond Photoelectron Spectroscopy of Electron Tunneling in a Dissociating Hydrogen Molecular Ion. Physical Review Letters, 2008, 101, 103001.	7.8	32
46	Test of the Wigner method for the photodissociation of symmetric triatomic molecules. Journal of Chemical Physics, 1987, 86, 6862-6870.	3.0	30
47	Combined electronic and nuclear dynamics in a simple model system. Journal of Chemical Physics, 2003, 119, 672-679.	3.0	30
48	Population Dynamics in Vibrational Modes during Non-Bornâ˜Oppenheimer Processes:â€‰ CARS Spectroscopy Used as a Mode-Selective Filter. Journal of the American Chemical Society, 2002, 124, 6242-6243.	13.7	29
49	Probing the geometry dependence of molecular dimers with two-dimensional-vibronic spectroscopy. Journal of Chemical Physics, 2009, 130, 134318.	3.0	29
50	The sensitivity of absorption experiments with phase locked ultrashort pulses to the excited state potential energy surface. Journal of Chemical Physics, 1992, 96, 2600-2608.	3.0	28
51	Photoelectron distributions from femtosecond pump/probe excitation with chirped probe pulses. Journal of Chemical Physics, 1998, 108, 7631-7636.	3.0	27
52	Absorption spectroscopy of molecular trimers. Journal of Chemical Physics, 2007, 126, 164308.	3.0	26
53	Combined electronic and nuclear dynamics in a simple model system. II. Spectroscopic transitions. Journal of Chemical Physics, 2004, 120, 158-164.	3.0	25
54	Local control of molecular fragmentation: The role of orientation. Journal of Chemical Physics, 2005, 123, 204320.	3.0	25

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55	The electronic character of PTCDA thin films in comparison to other perylene-based organic semi-conductors: ab initio-, TD-DFT and semi-empirical computations of the opto-electronic properties of large aggregates. Physical Chemistry Chemical Physics, 2017, 19, 2434-2448.	2.8	25
56	Theoretical analysis of femtosecond excitation and fragmentation dynamics of Fe(CO)5. Chemical Physics Letters, 2000, 316, 585-592.	2.6	24
57	Probing the Kinetics of a Nonadiabatic Transition Initiating Out of Vibrationally Excited as Well as Ground State Modes with Femtosecond Time-Resolved Transient Gratingsâ€. Journal of Physical Chemistry A, 2003, 107, 8355-8362.	2.5	23
58	Local control of the quantum dynamics in multiple potential wells. Journal of Chemical Physics, 2006, 124, 054325.	3.0	23
59	Fractional revivals in the rovibrational motion of I2. Journal of Chemical Physics, 2004, 120, 10442-10449.	3.0	22
60	Ground state vibrational wave-packet and recovery dynamics studied by time-resolved CARS and pump-CARS spectroscopy. Journal of Raman Spectroscopy, 2006, 37, 397-403.	2.5	22
61	Circular dichroism and absorption spectroscopy of merocyanine dimer aggregates: molecular properties and exciton transfer dynamics from time-dependent quantum calculations. Physical Chemistry Chemical Physics, 2007, 9, 6214.	2.8	22
62	Quantum-classical molecular dynamics simulation of femtosecond spectroscopy on I2 in inert gases: Mechanisms for the decay of pumpâ€“probe signals. Journal of Chemical Physics, 1999, 111, 7807-7817.	3.0	21
63	Two-dimensional vibronic spectroscopy of coherent wave-packet motion. Journal of Chemical Physics, 2011, 134, 104304.	3.0	21
64	Time-resolved photoelectron spectroscopy of coupled electron-nuclear motion. Journal of Chemical Physics, 2011, 134, 184307.	3.0	21
65	Electron-nuclear wave-packet dynamics through a conical intersection. Journal of Chemical Physics, 2017, 146, 074304.	3.0	21
66	Naphthoquinones as Covalent Reversible Inhibitors of Cysteine Proteasesâ€”Studies on Inhibition Mechanism and Kinetics. Molecules, 2020, 25, 2064.	3.8	20
67	Predissociation and dissociation dynamics in quantum control fields. Chemical Physics Letters, 2005, 407, 471-476.	2.6	19
68	Mapping of excitonâ€“exciton annihilation in a molecular dimer via fifth-order femtosecond two-dimensional spectroscopy. Journal of Chemical Physics, 2019, 150, 104304.	3.0	19
69	Pump/Probe Spectroscopy of NaI in Rare Gas Environments:Â A Statistical Description. Journal of Physical Chemistry A, 1998, 102, 7406-7413.	2.5	18
70	Quantum control fields from instantaneous dynamics. Chemical Physics Letters, 2004, 398, 180-185.	2.6	18
71	Local control theory applied to coupled electronic and nuclear motion. Chemical Physics, 2006, 329, 118-125.	1.9	18
72	Absorption and emission spectroscopy of molecular trimers: Cyclic versus linear geometries. Chemical Physics, 2008, 347, 120-126.	1.9	18

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73	The relative kinetic energy distribution of the hydrogen atoms formed by the dissociation of the electronically excited H2molecule. Journal of Chemical Physics, 1988, 89, 1986-1993.	3.0	17
74	Communication: Adiabatic and non-adiabatic electron-nuclear motion: Quantum and classical dynamics. Journal of Chemical Physics, 2016, 144, 171103.	3.0	17
75	Excitonâ€Vibrational Couplings in Homoâ€•and Heterodimer Stacks of Perylene Bisimide Dyes within Cyclophanes: Studies on Absorption Properties and Theoretical Analysis. Chemistry - A European Journal, 2016, 22, 15011-15018.	3.3	17
76	Twisting versus Delocalization in CAACâ€•and NHCâ€Stabilized Boronâ€Based Biradicals: The Roles of Sterics and Electronics. Chemistry - A European Journal, 2021, 27, 5160-5170.	3.3	17
77	Population transfer in the multiphoton excitation of molecules. Physical Review A, 2005, 72, .	2.5	16
78	Identification of effective excitonâ€“exciton annihilation in squaraineâ€“squaraine copolymers. Physical Chemistry Chemical Physics, 2016, 18, 13368-13374.	2.8	16
79	Fragmentation dynamics of Fe(CO)5 upon femtosecond excitation: a time-dependent statistical description. Chemical Physics Letters, 1998, 293, 485-490.	2.6	15
80	Fingerprints of Adiabatic versus Diabatic Vibronic Dynamics in the Asymmetry of Photoelectron Momentum Distributions. Journal of Physical Chemistry Letters, 2012, 3, 2617-2620.	4.6	14
81	Quantum Wave-Packet Dynamics in Spin-Coupled Vibronic States. Journal of Physical Chemistry A, 2012, 116, 11427-11433.	2.5	14
82	Electronic predissociation: a model study. European Physical Journal D, 2004, 30, 327-333.	1.3	13
83	Quantum Study of the Absorption Spectroscopy of Bis(triarylamine) Radical Cations. Journal of Physical Chemistry A, 2008, 112, 10178-10184.	2.5	13
84	Mapping of quantum phases by two-dimensional vibronic spectroscopy of wave-packet revivals. Physical Review A, 2010, 82, .	2.5	13
85	How fast is optically induced electron transfer in organic mixed valence systems?. Physical Chemistry Chemical Physics, 2016, 18, 19405-19411.	2.8	13
86	Mapping of excitonâ€“exciton annihilation in MEH-PPV by time-resolved spectroscopy: experiment and microscopic theory. Physical Chemistry Chemical Physics, 2017, 19, 31989-31996.	2.8	13
87	Vibrational coherence effects in the pumpâ€“probe studies of photochemical predissociation. Journal of Chemical Physics, 1991, 95, 3444-3455.	3.0	12
88	Approaches to Wave Packet Imaging Using Femtosecond Ionization Spectroscopyâ€. Journal of Physical Chemistry A, 2004, 108, 8954-8960.	2.5	12
89	Circular dichroism spectroscopy of small molecular aggregates: Dynamical features and size effects. Journal of Chemical Physics, 2008, 128, 204303.	3.0	12
90	Extended quantum jump description of vibronic two-dimensional spectroscopy. Journal of Chemical Physics, 2015, 142, 212440.	3.0	12

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91	Coupled electron-nuclear quantum dynamics through and around a conical intersection. Journal of Chemical Physics, 2017, 147, 064302.	3.0	12
92	Electronic and nuclear flux dynamics at a conical intersection. Journal of Chemical Physics, 2019, 151, 084309.	3.0	12
93	Bornâ€“Oppenheimer and non-Bornâ€“Oppenheimer contributions to time-dependent electron momenta. Journal of Chemical Physics, 2020, 152, 204310.	3.0	12
94	On the calculation of circular dichroism spectra using quantum wave-packet dynamics with an application to molecular dimers. Journal of Chemical Physics, 2007, 126, 074110.	3.0	11
95	On the divergence of time-dependent perturbation theory applied to laser-induced molecular transitions. Journal of Physics B: Atomic, Molecular and Optical Physics, 2009, 42, 195402.	1.5	11
96	On the calculation of time-dependent electron momenta within the Born-Oppenheimer approximation. Journal of Chemical Physics, 2019, 150, 164110.	3.0	11
97	Complete local control of molecular excited state photo-fragmentation. Chemical Physics Letters, 2006, 426, 263-267.	2.6	10
98	On the inversion of geometric parameters from absorption and circular dichroism spectroscopy of molecular dimers. Chemical Physics Letters, 2008, 467, 186-190.	2.6	10
99	Communication: On the calculation of time-dependent electron flux within the Born-Oppenheimer approximation: A flux-flux reflection principle. Journal of Chemical Physics, 2017, 147, 241101.	3.0	10
100	Time-dependent electron momenta from Born-Oppenheimer calculations. European Physical Journal B, 2018, 91, 1.	1.5	10
101	Time-resolved photoelectron spectroscopy of Fe(CO)5 multiple fragmentation: theoretical considerations. Chemical Physics Letters, 2001, 341, 338-344.	2.6	9
102	Caging of I2 in deca-dodecasil 3R: Pumpâ€“probe experiments and molecular dynamics modeling. Journal of Chemical Physics, 2001, 114, 8132-8138.	3.0	9
103	Femtosecond pulse induced predissociation dynamics in static electric fields. Physical Chemistry Chemical Physics, 2005, 7, 469.	2.8	9
104	Molecular dump processes induced by chirped laser pulses. Journal of Chemical Physics, 2008, 129, 074303.	3.0	9
105	Analysis of laser fields for photoassociation and molecular stabilization derived from local control theory. Journal of Physics B: Atomic, Molecular and Optical Physics, 2008, 41, 074026.	1.5	9
106	Characterization of nuclear wave packets prepared by chirped femtosecond pulses using time-resolved photoelectron spectroscopy. Chemical Physics Letters, 2001, 339, 362-368.	2.6	8
107	Fermiâ€“Pastaâ€“Ulam recurrences, normal modes and wave-packet revivals. Chemical Physics Letters, 2002, 356, 29-35.	2.6	8
108	Quantum diffusion wave-function approach to two-dimensional vibronic spectroscopy. Journal of Chemical Physics, 2014, 141, 134306.	3.0	8

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109	A classical ride through a conical intersection. Journal of Chemical Physics, 2019, 150, 034301.	3.0	8
110	Wave-packet dynamics in molecular dimers. Chemical Physics, 2007, 338, 143-149.	1.9	7
111	Communication: Vibrational and vibronic coherences in the two dimensional spectroscopy of coupled electron-nuclear motion. Journal of Chemical Physics, 2015, 143, 041102.	3.0	7
112	Exciton dynamics in perturbed vibronic molecular aggregates. Structural Dynamics, 2016, 3, 043201.	2.3	7
113	Optically Induced Electron Transfer in Mixed-Valence States: A Model Study on Electronic Transitions, Relaxation Dynamics, and Transient Absorption Spectroscopy. Journal of Physical Chemistry A, 2019, 123, 5463-5471.	2.5	7
114	Time-dependent momentum expectation values from different quantum probability and flux densities. Journal of Chemical Physics, 2021, 154, 064307.	3.0	7
115	Correlated three-dimensional electron-nuclear motion: Adiabatic dynamics versus passage of conical intersections. Journal of Chemical Physics, 2022, 156, 074302.	3.0	7
116	Short-time wave-packet dynamics and the reflection principle of continuum resonance Raman scattering. Chemical Physics Letters, 1996, 263, 640-644.	2.6	6
117	Classical simulations on the pumpâ€“probe spectroscopy of I2 encapsulated in DDR porosil. Chemical Physics Letters, 1999, 311, 146-152.	2.6	6
118	Target wave-packet control and its detection using time-resolved photoelectron spectroscopy. Chemical Physics Letters, 2002, 358, 344-349.	2.6	6
119	Classical aspects emerging from local control of energy and particle transfer in molecules. Journal of Photochemistry and Photobiology A: Chemistry, 2006, 180, 271-276.	3.9	6
120	Two-dimensional vibronic spectroscopy of molecular aggregates: Trimers, dimers, and monomers. Journal of Chemical Physics, 2016, 145, 084305.	3.0	6
121	Two-dimensional femtosecond optical spectroscopy of trapping dynamics in a charge-transfer process. Chemical Physics Letters, 2016, 650, 41-46.	2.6	6
122	Excitonâ€“exciton annihilation in a molecular trimer: Wave packet dynamics and 2D spectroscopy. Journal of Chemical Physics, 2020, 153, 164310.	3.0	6
123	Molecular Dynamics Simulation of Femtosecond Pump-Probe Experiments on I2 in Ar Environments. Zeitschrift Fur Physikalische Chemie, 2000, 214, .	2.8	5
124	Femtosecond time-resolved photoelectron spectroscopy with high frequency probe pulses. Chemical Physics Letters, 2002, 351, 275-280.	2.6	5
125	Chirped pulse ionization: bondlength dynamics and interference effects. Chemical Physics Letters, 2003, 373, 319-327.	2.6	5
126	Vibronic energy localization in weakly coupled small molecular aggregates. Chemical Physics Letters, 2012, 541, 49-53.	2.6	5

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127	On the parameterization of vibronic Hamiltonians for molecular aggregates using absorption line-shapes as an input. Journal of Chemical Physics, 2013, 139, 054303.	3.0	5
128	The time-scale of nonlinear events driven by strong fields: can one control the spin coupling before ionization runs over?. Journal of Physics B: Atomic, Molecular and Optical Physics, 2014, 47, 124027.	1.5	5
129	A wave packet picture of excitonâ€“exciton annihilation: Molecular dimer dynamics. Journal of Chemical Physics, 2020, 152, 174305.	3.0	5
130	Quantum flux densities for electronicâ€“nuclear motion: exact versus Bornâ€“Oppenheimer dynamics. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2022, 380, 20200385.	3.4	5
131	Stochastic trajectory simulation of femtosecond pumpâ€“probe spectroscopy. Chemical Physics Letters, 2000, 332, 110-116.	2.6	4
132	Collision-induced bound state motion in I2. A classical molecular dynamics study. Journal of Chemical Physics, 2000, 113, 6585-6591.	3.0	4
133	Phase-energy approach to collision-induced vibrational relaxation. Journal of Chemical Physics, 2000, 113, 8865-8868.	3.0	4
134	Time-resolved photoelectron spectroscopy:. Journal of Organometallic Chemistry, 2002, 661, 191-197.	1.8	4
135	Determination of transition dipole moments from time-resolved photoelectron spectroscopy. European Physical Journal D, 2003, 25, 95-99.	1.3	4
136	Indirect versus direct photoionization with ultrashort pulses: interferences and time-resolved bond-length changes. Chemical Physics Letters, 2004, 385, 60-65.	2.6	4
137	Manipulating the singletâ€“triplet transition in ion strings by nonresonant dynamic Stark effect. Theoretical Chemistry Accounts, 2013, 132, 1.	1.4	4
138	Weakâ€Field, Multipleâ€Cycle Carrier Envelope Phase Effects in Laser Excitation. ChemPhysChem, 2013, 14, 1464-1470.	2.1	4
139	Two-dimensional vibronic spectroscopy of molecular predissociation. New Journal of Physics, 2013, 15, 025008.	2.9	4
140	Multiple time scale population transfer-dynamics in coupled electronic states. Chemical Physics, 2014, 442, 26-30.	1.9	4
141	Time-resolved photoelectron spectroscopy of IR-driven electron dynamics in a charge transfer model system. Physical Chemistry Chemical Physics, 2017, 19, 19683-19690.	2.8	4
142	Analysis and control of small isolated molecular systems. , 2007, , 25-152.		4
143	On the control of resonant versus non-resonant electronic transitions in molecular photodissociation. Chemical Physics Letters, 2005, 414, 17-22.	2.6	3
144	Application of a reflection principle to spectroscopic transitions in molecular dimers. Chemical Physics Letters, 2006, 433, 199-203.	2.6	3

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145	Fragment momentum distributions obtained from coupled electron-nuclear dynamics. Journal of Chemical Physics, 2012, 136, 104306.	3.0	3
146	Wave packet dynamics in an harmonic potential disturbed by disorder: Entropy, uncertainty, and vibrational revivals. Journal of Chemical Physics, 2022, 156, 054303.	3.0	3
147	Manifestation of predissociation and vibrational relaxation in femtosecond pumpâ€“probe signals: a theoretical analysis. Chemical Physics Letters, 2001, 336, 262-267.	2.6	2
148	Nuclear and electronic momentum distributions from pulse induced photodissociation. Chemical Physics Letters, 2011, 509, 119-123.	2.6	2
149	Coherent and incoherent contributions to the carrier-envelope phase control of wave packet localization in quantum double wells. Journal of Chemical Physics, 2014, 140, 184316.	3.0	2
150	Two-dimensional optical spectroscopy of homo- and heterodimers. Physical Chemistry Chemical Physics, 2016, 18, 32910-32920.	2.8	2
151	Correlated electron-nuclear dissociation dynamics: classical versus quantum motion. European Physical Journal D, 2017, 71, 1.	1.3	2
152	Optically Induced Charge Transfer in Organic Mixed-Valence Systems: Wave Packet Dynamics and Femtosecond Transient Spectroscopy. Journal of Physical Chemistry A, 2021, 125, 4114-4125.	2.5	2
153	Cationic molecular wave packets: â€œSettinâ€™ the paceâ€• Journal of Chemical Physics, 2002, 116, 4762.	3.0	1
154	Interference Effects in Vibronic 2D-Spectra of Diatomic Molecules. Zeitschrift Fur Physikalische Chemie, 2011, 225, 703-714.	2.8	1
155	Carrier envelope phase effects induced by weak multicycle pulses: Localized quantum dynamics in double well potentials. Chemical Physics Letters, 2013, 579, 23-27.	2.6	1
156	Stochastically correlated versus uncorrelated quantum-state diffusion dynamics in different electronic states: third-order polarizations and two-dimensional vibronic spectra. Chemical Physics, 2018, 515, 102-107.	1.9	1
157	Femtosecond time-resolved CARS and DFWM spectroscopy on gas-phase I2: a wave-packet description. , 2000, 31, 33.		1
158	On the control of ionic fragment channels using femtosecond pulse excitation. Chemical Physics Letters, 2001, 348, 507-513.	2.6	0
159	Twisting versus Delocalization in CAACâ€•and NHCâ€Stabilized Boronâ€Based Biradicals: The Roles of Sterics and Electronics. Chemistry - A European Journal, 2021, 27, 5056-5056.	3.3	0
160	Manipulating the singletâ€“triplet transition in ion strings by nonresonant dynamic Stark effect. Highlights in Theoretical Chemistry, 2014, , 79-88.	0.0	0
161	Excitation localization in a trimeric perylenediimide macrocycle: Synthesis, theory, and single molecule spectroscopy. Journal of Chemical Physics, 2022, 156, 044304.	3.0	0