Chao-Yuan Zhu

List of Publications by Year
in descending order

122	3,846	136885	143943
papers	citations	32 h-index	57 g-index

126	126	126	2910
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Nonadiabatic molecular dynamics simulation for the ultrafast photoisomerization of dMe-OMe-NAIP based on TDDFT on-the-fly potential energy surfaces. Physical Chemistry Chemical Physics, 2021, 23, 5236-5243.	1.3	4
2	Photoisomerization-mechanism-associated excited-state hydrogen transfer in 2â€²-hydroxychalcone revealed by on-the-fly trajectory surface-hopping molecular dynamics simulation. Physical Chemistry Chemical Physics, 2021, 23, 4300-4310.	1.3	2
3	Absorption and fluorescence spectra of conjugated polymers poly(propylene oxide)â€“poly(phenylene) Tj ETQq1 1 0.784314 rgBT /Ov e4261.	0.9	2
4	Trajectory surface hopping molecular dynamics simulations for retinal protonated Schiff-base photoisomerization. Physical Chemistry Chemical Physics, 2021, 23, 23861-23874.	1.3	4
5	Aggregation-induced emission spectra of triphenylamine salicylaldehyde derivatives via excited-state intramolecular proton transfer revealed by molecular spectral and dynamics simulations. RSC Advances, 2021, 11, 37171-37180.	1.7	5
6	Excited-state intramolecular proton transfer with and without the assistance of vibronic-transition-induced skeletal deformation in phenolâ€“quinoline. RSC Advances, 2021, 11, 37299-37306.	1.7	4
7	Functional and Basis Set Dependence for Timeâ€Dependent Density Functional Theory Trajectory Surface Hopping Molecular Dynamics: Cisâ€Azobenzene Photoisomerization. Journal of Computational Chemistry, 2020, 41, 635-645.	1.5	10
8	The absorption and fluorescence spectra of 4-(3-methoxybenzylidene)-2-methyl-oxazalone interpreted by Franckâ€“Condon simulation in various pH solvent environments. Physical Chemistry Chemical Physics, 2020, 22, 17559-17566.	1.3	9
9	IRâ€“VUV spectroscopy of pyridine dimers, trimers and pyridineâ€“ammonia complexes in a supersonic jet. Physical Chemistry Chemical Physics, 2020, 22, 21520-21534.	1.3	26
10	Photorelaxation Pathways of 4-(N,N-Dimethylamino)-4â€²-nitrostilbene Upon S1 Excitation Revealed by Conical Intersection and Intersystem Crossing Networks. Molecules, 2020, 25, 2230.	1.7	2
11	Electronic States and Nonradiative Decay of Cold Gas-Phase Cinnamic Acid Derivatives Studied by Laser Spectroscopy with a Laser-Ablation Technique. Journal of Physical Chemistry A, 2020, 124, 5580-5589.	1.1	9
12	Extremely solvent-enhanced absorbance and fluorescence of carbazole interpreted using a damped Franckâ€“Condon simulation. Journal of Chemical Physics, 2020, 152, 104106.	1.2	5
13	Electronic State and Photophysics of 2-Ethylhexyl-4-methoxycinnamate as UV-B Sunscreen under Jet-Cooled Condition. Journal of Physical Chemistry A, 2020, 124, 1272-1278.	1.1	11
14	Insight into the Expanded Mislinked Porphyrins with High Second Order Nonlinear Optical Response. Journal of Physical Chemistry A, 2020, 124, 955-965.	1.1	18
15	Quantum yields of singlet and triplet chemiexcitation of dimethyl 1,2-dioxetane: ab initio nonadiabatic molecular dynamic simulations. Physical Chemistry Chemical Physics, 2020, 22, 11440-11451.	1.3	17
16	A nonlinear optical switch induced by an external electric field: inorganic alkalineâ€“earth alkalide. RSC Advances, 2019, 9, 16718-16728.	1.7	27
17	First-principles study on sum-frequency generation spectroscopy of methanol adsorbed on TiO2(110) surface: Effects of substrate and molecular coverages. Journal of Chemical Physics, 2019, 150, 184112.	1.2	3
18	Enhanced photovoltaic performance of dye-sensitized solar cells by the adsorption of Zn-porphyrin dye molecule on TiO2 surfaces. Journal of Alloys and Compounds, 2019, 794, 35-44.	2.8	4

#	Article	IF	Citations
19	A Density Functional Theory Study on Nonlinear Optical Properties of Double Cage Excess Electron Compounds: Theoretically Design M[Cu(Ag)@(NH 3) n](Mâ€‰=â€‰Be, Mg and Ca; n â€‰=â€‰1â€“3). Journal of Computational Chemistry, 2019, 40, 971-979.	1.5	18
20	Dioxygen Activation by Iron Complexes: The Catalytic Role of Intersystem Crossing Dynamics for a Heme-Related Model. Journal of Physical Chemistry C, 2018, 122, 2821-2831.	1.5	8
21	Ultrafast intersystem crossing for nitrophenols: ab initio nonadiabatic molecular dynamics simulation. Physical Chemistry Chemical Physics, 2018, 20, 5606-5616.	1.3	19
22	Methyl substitution enhanced photoisomerization of trans,trans-1,4-diphenyl-1,3-butadiene: direct ab initio trajectory surface hopping dynamic simulations. Physical Chemistry Chemical Physics, 2018, 20, 2260-2273.	1.3	7
23	Facially Polarized Molecule for Alkalides and Superalkalides with Considerable Nonlinear Optical Response. ChemistrySelect, 2018, 3, 12782-12790.	0.7	16
24	TDDFT studies for electronic excitations of the intermediates and radicals in the pyrolysis of 2,5-dimethylfuran. AIP Advances, 2018, 8, .	0.6	5
25	Theoretical Studies on Catalysis Mechanisms of Serum Paraoxonase 1 and Phosphotriesterase Diisopropyl Fluorophosphatase Suggest the Alteration of Substrate Preference from Paraoxonase to DFP. Molecules, 2018, 23, 1660.	1.7	7
26	Performance of TDDFT with and without spin-flip in trajectory surface hopping dynamics: cisâ€“trans azobenzene photoisomerization. Physical Chemistry Chemical Physics, 2018, 20, 24123-24139.	1.3	35
27	Probing the Ï€ â†’ Ï€* photoisomerization mechanism of trans-azobenzene by multi-state ab initio on-the-fly trajectory dynamics simulations. Physical Chemistry Chemical Physics, 2018, 20, 23885-23897.	1.3	22
28	An excited-state Wolff rearrangement reaction of 5-diazo Meldrum's acid: anab initioon-the-fly nonadiabatic dynamics simulation. Physical Chemistry Chemical Physics, 2018, 20, 22681-22688.	1.3	3
29	Strong Hydrogen Bonding with Inorganic Pendant Polyhedral Oligomeric Silsesquioxane Nanoparticles Provides High Glass Transition Temperature Poly(methyl methacrylate) Copolymers. Journal of Nanoscience and Nanotechnology, 2018, 18, 188-194.	0.9	3
30	The electronic structure, optical absorption and photocatalytic water splitting of (FeÂ+ÂNi)-codoped TiO2: A DFT +U study. International Journal of Hydrogen Energy, 2017, 42, 4966-4976.	3.8	22
31	Benchmark Performance of Global Switching versus Local Switching for Trajectory Surface Hopping Molecular Dynamics Simulation: Cisâ†’Trans Azobenzene Photoisomerization. ChemPhysChem, 2017, 18, 1274-1287.	1.0	39
32	Excited-state E â†’ Z photoisomerization mechanism unveiled by ab initio nonadiabatic molecular dynamics simulation for hemithioindigoâ€“hemistilbene. Physical Chemistry Chemical Physics, 2017, 19, 12185-12198.	1.3	8
33	Multi-state nonadiabatic deactivation mechanism of coumarin revealed by ab initio on-the-fly trajectory surface hopping dynamic simulation. Physical Chemistry Chemical Physics, 2017, 19, 12094-12106.	1.3	11
34	Franckâ€“Condon simulation for unraveling vibronic origin in solvent enhanced absorption and fluorescence spectra of rubrene. RSC Advances, 2017, 7, 12407-12418.	1.7	12
35	A TDDFT study on the excited-state double proton transfer reaction of 8-hydroxyquinoline along a hydrogen-bonded bridge. New Journal of Chemistry, 2017, 41, 8437-8442.	1.4	47
36	Remarkable nonlinear optical response of excess electron compounds: theoretically designed alkali-doped aziridine Mâ€“(C₂NH₅)_n. Physical Chemistry Chemical Physics, 2017, 19, 23951-23959.	1.3	25

#	Article	IF	Citations
37	Theoretical study of the substituent effect controlling the radiative and non-radiative decay processes of platinum(ii) complexes. Physical Chemistry Chemical Physics, 2017, 19, 23532-23540.	1.3	16
38	Orientation hydrogen-bonding effect on vibronic spectra of isoquinoline in water solvent: Franck-Condon simulation and interpretation. Journal of Chemical Physics, 2016, 145, 164314.	1.2	33
39	Chiral conversion and periodical decay in bridged-azobenzene photoisomerization: an ab initio on-the-fly nonadiabatic dynamics simulation. RSC Advances, 2016, 6, 39542-39552.	1.7	10
40	Intersystem crossing-branched excited-state intramolecular proton transfer for o-nitrophenol: An ab initio on-the-fly nonadiabatic molecular dynamic simulation. Scientific Reports, 2016, 6, 26768.	1.6	37
41	Functional Supramolecular Polypeptides Involving Ï€â€“Ï€ Stacking and Strong Hydrogen-Bonding Interactions: A Conformation Study toward Carbon Nanotubes (CNTs) Dispersion. Macromolecules, 2016, 49, 5374-5385.	2.2	52
42	Restoring electronic coherence/decoherence for a trajectory-based nonadiabatic molecular dynamics. Scientific Reports, 2016, 6, 24198.	1.6	16
43	Ternary polybenzoxazine/POSS/SWCNT hybrid nanocomposites stabilized through supramolecular interactions. Soft Matter, 2016, 12, 1847-1858.	1.2	31
44	Stimuli-responsive supramolecular materials: photo-tunable properties and molecular recognition behavior. Polymer Chemistry, 2016, 7, 795-806.	1.9	20
45	Photoisomerization mechanisms from trans, trans-1,4-diphenyl-1,3-butadiene: CASSCF on-the-fly trajectory surface hopping dynamic simulations. Physical Chemistry Chemical Physics, 2016, 18, 8971-8979.	1.3	15
46	Photo-induced 1,3-cyclohexadiene ring opening reaction: Ab initio on-the-fly nonadiabatic molecular dynamics simulation. Journal of Photochemistry and Photobiology A: Chemistry, 2016, 317, 39-49.	2.0	26
47	Molecular Orbital Imaging of Excited States Using Time-Resolved (e, 2e) Electron Momentum Spectroscopy. , 2016, , .		1
48	Transparent Heat-Resistant PMMA Copolymers for Packing Light-Emitting Diode Materials. Polymers, 2015, 7, 1379-1388.	2.0	33
49	Intersystem Crossing Pathway in Quinolineâ€“Pyrazole Isomerism: A Time-Dependent Density Functional Theory Study on Excited-State Intramolecular Proton Transfer. Journal of Physical Chemistry A, 2015, 119, 6269-6274.	1.1	89
50	Probing the Ï€ â†’ Ï€* photoisomerization mechanism of cis-azobenzene by multi-state ab initio on-the-fly trajectory dynamics simulation. Physical Chemistry Chemical Physics, 2015, 17, 17646-17660.	1.3	48
51	A solvent-resistant azide-based hole injection/transporting conjugated polymer for fluorescent and phosphorescent light-emitting diodes. Journal of Materials Chemistry C, 2015, 3, 8142-8151.	2.7	29
52	A cross-linkable triphenylamine derivative as a hole injection/transporting material in organic light-emitting diodes. Polymer Chemistry, 2015, 6, 6227-6237.	1.9	31
53	Multicomponent Reactions of Phosphines, Enynedioates and Cinnamaldimines Give Î³â€Lactams with a 1,3,5â€Hexatriene Moiety for Facile 6Ï€ Electrocyclization: Access to Oxindoles, Isatins and Isoxazolinones. Advanced Synthesis and Catalysis, 2015, 357, 1453-1462.	2.1	16
54	Photo-Crosslinking of Pendent Uracil Units Provides Supramolecular Hole Injection/Transport Conducting Polymers for Highly Efficient Light-Emitting Diodes. Polymers, 2015, 7, 804-818.	2.0	30

#	Article	IF	Citations
55	Molecular Orbital Imaging of the AcetoneS2Excited State Using Time-Resolved (e,2e) Electron Momentum Spectroscopy. Physical Review Letters, 2015, 114, 103005.	2.9	24
56	Photoisomerization Reaction Mechanisms of o-Nitrophenol Revealed by Analyzing Intersystem Crossing Network at the MRCI Level. Journal of Physical Chemistry A, 2015, 119, 10441-10450.	1.1	16
57	Trajectory-based nonadiabatic molecular dynamics without calculating nonadiabatic coupling in the avoided crossing case: trans â†" cis photoisomerization in azobenzene. Physical Chemistry Chemical Physics, 2014, 16, 25883-25895.	1.3	92
58	Franck-Condon factors perturbed by damped harmonic oscillators: Solvent enhanced X 1Ag â†" A1B1u absorption and fluorescence spectra of perylene. Journal of Chemical Physics, 2014, 141, 084106.	1.2	14
59	Constraint Trajectory Surface-Hopping Molecular Dynamics Simulation of the Photoisomerization of Stilbene. International Journal of Photoenergy, 2014, 2014, 1-18.	1.4	5
60	The structure, electronic, and optical properties of (Sm,N)-codoped anatase TiO2 photocatalyst: A density functional study. Journal of Catalysis, 2014, 309, 115-120.	3.1	21
61	Landscapes of Four-Enantiomer Conical Intersections for Photoisomerization of Stilbene: CASSCF Calculation. Journal of Physical Chemistry A, 2014, 118, 9021-9031.	1.1	21
62	A phenothiazine-based colorimetric chemodosimeter for the rapid detection of cyanide anions in organic and aqueous media. RSC Advances, 2014, 4, 36344.	1.7	22
63	Poly(ethylene glycol) modified activated carbon for high performance proton exchange membrane fuel cells. International Journal of Hydrogen Energy, 2013, 38, 11331-11339.	3.8	16
64	Exploring the role of varied-length spacers in charge transfer: a theoretical investigation on pyrimidine-bridged porphyrin dyes. RSC Advances, 2013, 3, 17515.	1.7	25
65	Electronic and optical performances of Si and Fe-codoped TiO2 nanoparticles: A photocatalyst for the degradation of methylene blue. Applied Catalysis B: Environmental, 2013, 142-143, 38-44.	10.8	24
66	Topology of conical/surface intersections among five low-lying electronic states of CO2: Multireference configuration interaction calculations. Journal of Chemical Physics, 2013, 139, 154302.	1.2	11
67	Characteristics of high-water-uptake activated carbon/Nafion hybrid membranes for proton exchange membrane fuel cells. Journal of Power Sources, 2013, 226, 87-93.	4.0	42
68	The optical absorption and hydrogen production by water splitting of (Si,Fe)-codoped anatase TiO2 photocatalyst. International Journal of Hydrogen Energy, 2013, 38, 5209-5214.	3.8	58
69	Theoretical Study on Structure and Sum-Frequency Generation (SFG) Spectroscopy of Styreneâ€"Graphene Adsorption System. Journal of Physical Chemistry C, 2013, 117, 1754-1760.	1.5	11
70	Quantum Chemical Calculations of Intramolecular Vibrational Redistribution and Energy Transfer of Dipeptides (GlyTyr and LeuTyr) and Applications to the RRKM Theory. Journal of the Chinese Chemical Society, 2013, 60, 974-985.	0.8	4
71	C/B codoping effect on band gap narrowing and optical performance of TiO2 photocatalyst: a spin-polarized DFT study. Journal of Materials Chemistry A, 2013, 1, 4516.	5.2	42
72	DIELECTRIC CONSTANT AND SEEBECK COEFFICIENT FOR SEMICONDUCTORS: THERMODYNAMIC AND DFT STUDIES. Journal of Theoretical and Computational Chemistry, 2013, 12, 1350057.	1.8	3

#	Article	IF	Citations
73	Absorption and fluorescence spectra of the neutral and anionic green fluorescent protein chromophore: Franckâ€“Condon simulation. Chemical Physics Letters, 2012, 541, 110-116.	1.2	16
74	Electron-Deficient Pyrimidine Adopted in Porphyrin Sensitizers: A Theoretical Interpretation of Ï€-Spacers Leading to Highly Efficient Photo-to-Electric Conversion Performances in Dye-Sensitized Solar Cells. Journal of Physical Chemistry C, 2012, 116, 9166-9179.	1.5	76
75	Enhanced optical absorption and photocatalytic activity of anatase TiO₂ through (Si,Ni) codoping. Applied Physics Letters, 2012, 101, 062106.	1.5	21
76	Highly hydrated Nafion/activated carbon hybrids. Polymer, 2012, 53, 4927-4930.	1.8	11
77	Franck-Condon simulation of vibrationally resolved optical spectra for zinc complexes of phthalocyanine and tetrabenzoporphyrin including the Duschinsky and Herzberg-Teller effects. Journal of Chemical Physics, 2012, 136, 144313.	1.2	32
78	Density matrix method and ultrafast processes. Science China Chemistry, 2012, 55, 579-593.	4.2	0
79	Anharmonic Franckâ€“Condon simulation of the absorption and fluorescence spectra for the low-lying S1 and S2 excited states of pyrimidine. Chemical Physics, 2012, 400, 126-136.	0.9	15
80	Visible-light photocatalytic activity of Ni-doped TiO2 from ab initio calculations. Materials Chemistry and Physics, 2012, 133, 746-750.	2.0	35
81	New Implementation of Semi-classical Dynamic Simulation on the Photoisomerization ofcis- and trans-Isomers of Free Stilbene. Acta Chimica Sinica, 2012, 70, 1869.	0.5	4
82	Excited State ab Initio and Franckâ€“Condon Simulation of S₁ â†’ S₀ Fluorescence Excitation Spectra of p-, m-, and o-Difluorobenzenes. Journal of Physical Chemistry A, 2011, 115, 14022-14033.	1.1	4
83	The Role of the nÏ€* ¹A_u State in the Photoabsorption and Relaxation of Pyrazine. Chemistry - an Asian Journal, 2011, 6, 2977-2985.	1.7	11
84	A QUASICLASSICAL TRAJECTORY STUDY OF REACTIVE SCATTERING ON AN ANALYTICAL POTENTIAL ENERGY SURFACE FOR GeH2 SYSTEM. Journal of Theoretical and Computational Chemistry, 2011, 10, 147-163.	1.8	0
85	Franckâ€“Condon simulation of the A 1B2 â†' X 1A1 dispersed fluorescence spectrum of fluorobenzene and its rate of the internal conversion. Journal of Chemical Physics, 2011, 134, 094313.	1.2	16
86	Analytical semiclassical theory for general non-adiabatic transition and tunneling. Physica Scripta, 2009, 80, 048114.	1.2	4
87	Anharmonic Franckâ€'Condon Simulation of the Absorption and Fluorescence Spectra for the Low-Lying S₁ and S₂ Excited States of Pyridine. Journal of Physical Chemistry A, 2009, 113, 14407-14414.	1.1	21
88	Theoretical treatment of anharmonic effect on molecular absorption, fluorescence spectra, and electron transfer. Chemical Physics, 2009, 358, 137-146.	0.9	26
89	Ab initio studies of excited electronic state S2 of pyrazine and Franckâ€“Condon simulation of its absorption spectrum. Chemical Physics Letters, 2009, 476, 19-24.	1.2	18
90	Theoretical study on S1(1B3u) state electronic structure and absorption spectrum of pyrazine. Science in China Series B: Chemistry, 2008, 51, 1166-1173.	0.8	6

#	Article	IF	Citations
91	Algorithmic decoherence time for decay-of-mixing nonâ€“Bornâ€“Oppenheimer dynamics. Journal of Chemical Physics, 2008, 129, 024112.	1.2	47
92	Thermodynamical Study of the Thermoelectric Effect for Magnesium Silicideâ€. Journal of Physical Chemistry A, 2007, 111, 9362-9366.	1.1	1
93	Nonlinear responses of degenerate two-level systems to intense few-cycle pulses. Journal of Chemical Physics, 2007, 127, 094304.	1.2	3
94	Nonadiabatic transitions due to curve crossings: complete solutions of the landau-zener-stueckelberg problems and their applications. Advances in Chemical Physics, 2007, , 127-233.	0.3	65
95	Unified semiclassical theory for the two-state system: An analytical solution for general nonadiabatic tunneling. Journal of Chemical Physics, 2006, 125, 044104.	1.2	10
96	Non-Bornâ^'Oppenheimer Molecular Dynamics. Accounts of Chemical Research, 2006, 39, 101-108.	7.6	197
97	Non-Born-Oppenheimer Liouville-von Neumann Dynamics. Evolution of a Subsystem Controlled by Linear and Population-Driven Decay of Mixing with Decoherent and Coherent Switching. Journal of Chemical Theory and Computation, 2005, 1, 527-540.	2.3	114
98	Coherent switching with decay of mixing: An improved treatment of electronic coherence for non-Bornâ€“Oppenheimer trajectories. Journal of Chemical Physics, 2004, 121, 7658.	1.2	288
99	Non-Bornâ€“Oppenheimer trajectories with self-consistent decay of mixing. Journal of Chemical Physics, 2004, 120, 5543-5557.	1.2	150
100	Introductory lecture: Nonadiabatic effects in chemical dynamics. Faraday Discussions, 2004, 127, 1.	1.6	190
101	Unified Semiclassical Theory for the Nonadiabatic Transition. Journal of the Chinese Chemical Society, 2003, 50, 777-783.	0.8	1
102	New implementation of the trajectory surface hopping method with use of the Zhuâ€“Nakamura theory. II. Application to the charge transfer processes in the 3D DH2+ system. Journal of Chemical Physics, 2002, 116, 3234-3247.	1.2	48
103	New implementation of the trajectory surface hopping method with use of the Zhuâ€“Nakamura theory. Journal of Chemical Physics, 2001, 115, 3031-3044.	1.2	83
104	Significant improvement of the trajectory surface hopping method by the Zhuâ€“Nakamura theory. Journal of Chemical Physics, 2001, 115, 11036-11039.	1.2	40
105	Electronically adiabatic chemical reactions analyzed by the semiclassical theory of nonadiabatic transition. Physical Chemistry Chemical Physics, 2000, 2, 557-570.	1.3	13
106	Semiclassical treatment of resonances in the collinear O + HO exchange reaction. Chemical Physics Letters, 1998, 293, 448-454.	1.2	1
107	Improvement of the adiabatic phase integral for the Landauâ€“Zener-type curve crossing. Journal of Chemical Physics, 1998, 109, 4689-4690.	1.2	14
108	Semiclassical theory of multi-channel curve crossing problems: Landau-Zener case. Journal of Chemical Physics, 1997, 106, 2599-2611.	1.2	79

#	Article	IF	Citations
109	Semiclassical theory of multi-channel curve crossing problems: Nonadiabatic tunneling case. Journal of Chemical Physics, 1997, 107, 7839-7848.	1.2	34
110	Usefulness of the newly completed semiclassical theory of curve crossing: multi-channel resonant scattering. Chemical Physics Letters, 1997, 274, 205-212.	1.2	9
111	Unified semiclassical theory for the twoâ€state system: Analytical solutions for scattering matrices. Journal of Chemical Physics, 1996, 105, 4159-4172.	1.2	12
112	Two-by-two diabatic approach for multi-channel curve crossing problems. Chemical Physics Letters, 1996, 258, 342-347.	1.2	15
113	Semiclassical analysis of resonance states induced by a conical intersection. Journal of Chemical Physics, 1996, 104, 7059-7067.	1.2	14
114	Exact analytical solution for coupled time-independent SchrÃ¶dinger equations with certain model potentials. Journal of Physics A, 1996, 29, 1293-1303.	1.6	19
115	Theory of nonadiabatic transition for general twoâ€state curve crossing problems. II. Landauâ€“Zener case. Journal of Chemical Physics, 1995, 102, 7448-7461.	1.2	135
116	Theory of nonadiabatic transition for general twoâ€state curve crossing problems. I. Nonadiabatic tunneling case. Journal of Chemical Physics, 1994, 101, 10630-10647.	1.2	147
117	Twoâ€state linear curve crossing problems revisited. IV. The best analytical formulas for scattering matrices. Journal of Chemical Physics, 1994, 101, 4855-4866.	1.2	58
118	Numerical method for the two-state linear curve crossing: nonadiabatic tunneling case. Computer Physics Communications, 1993, 74, 9-17.	3.0	9
119	The twoâ€state linear curve crossing problems revisited. III. Analytical approximations for Stokes constant and scattering matrix: Nonadiabatic tunneling case. Journal of Chemical Physics, 1993, 98, 6208-6222.	1.2	76
120	The twoâ€state linear curve crossing problems revisited. I. Analysis of Stokes phenomenon and expressions for scattering matrices. Journal of Chemical Physics, 1992, 97, 1892-1904.	1.2	68
121	Stokes constants for a certain class of secondâ€order ordinary differential equations. Journal of Mathematical Physics, 1992, 33, 2697-2717.	0.5	42
122	The twoâ€state linear curve crossing problems revisited. II. Analytical approximations for the Stokes constant and scattering matrix: The Landauâ€“Zener case. Journal of Chemical Physics, 1992, 97, 8497-8514.	1.2	79