

# Yijing Yan

## List of Publications by Year in Descending Order

**Source:** <https://exaly.com/author-pdf/4549877/yijing-yan-publications-by-year.pdf>

**Version:** 2024-04-28

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

144  
papers

4,266  
citations

32  
h-index

59  
g-index

151  
ext. papers

4,784  
ext. citations

3.7  
avg, IF

5.71  
L-index

#	Paper	IF	Citations
144	Origin of Asymmetric Splitting of Kondo Peak in Spin-Polarized Scanning Tunneling Spectroscopy: Insights from First-Principles-Based Simulations.. <i>Journal of Physical Chemistry Letters</i> , <b>2022</b> , 2094-2100	6.4	1
143	Role of Pigment-Protein Coupling in the Energy Transport Dynamics in the Fenna-Matthews-Olson Complex. <i>Journal of Physical Chemistry B</i> , <b>2021</b> , 125, 11884-11892	3.4	0
142	Quantum dissipation with nonlinear environment couplings: Stochastic fields dressed dissipaton equation of motion approach. <i>Journal of Chemical Physics</i> , <b>2021</b> , 155, 174111	3.9	1
141	Understanding the Sub-meV Precision-Tuning of Magnetic Anisotropy of Single-Molecule Junction. <i>Journal of Physical Chemistry C</i> , <b>2021</b> , 125, 6990-6997	3.8	4
140	Correlated vibration-solvent effects on the non-Condon exciton spectroscopy. <i>Journal of Chemical Physics</i> , <b>2021</b> , 154, 244105	3.9	3
139	Nonequilibrium Kondo regime current noise spectrum of quantum dot systems with the single impurity Anderson model. <i>Journal of Chemical Physics</i> , <b>2021</b> , 155, 014104	3.9	0
138	Marcus Electron transfer rate revisited via a Rice-Ramsperger-Kassel-Marcus analogue: A unified formalism for linear and nonlinear solvation scenarios. <i>Chinese Journal of Chemical Physics</i> , <b>2021</b> , 34, 462-470	0.9	3
137	Adiabatic terminator for fermionic hierarchical equations of motion. <i>Chinese Journal of Chemical Physics</i> , <b>2021</b> , 34, 905-914	0.9	2
136	Thermodynamic free-energy spectrum theory for open quantum systems. <i>Journal of Chemical Physics</i> , <b>2020</b> , 153, 214115	3.9	3
135	Current-induced effective Dzyaloshinskii-Moriya interaction and its Kondo enhancement in double quantum dot. <i>Journal of Chemical Physics</i> , <b>2020</b> , 152, 164113	3.9	4
134	Stochastic equation of motion approach to fermionic dissipative dynamics. I. Formalism. <i>Journal of Chemical Physics</i> , <b>2020</b> , 152, 204105	3.9	7
133	Stochastic equation of motion approach to fermionic dissipative dynamics. II. Numerical implementation. <i>Journal of Chemical Physics</i> , <b>2020</b> , 152, 204106	3.9	6
132	Kondo resonance assisted thermoelectric transport through strongly correlated quantum dots. <i>Science China: Physics, Mechanics and Astronomy</i> , <b>2020</b> , 63, 1	3.6	1
131	Theoretical Study on the Effect of Environment on Excitation Energy Transfer in Photosynthetic Light-Harvesting Systems. <i>Journal of Physical Chemistry B</i> , <b>2020</b> , 124, 2354-2362	3.4	5
130	Entangled system-and-environment dynamics: Phase-space dissipaton theory. <i>Journal of Chemical Physics</i> , <b>2020</b> , 152, 041102	3.9	8
129	Hierarchical equations of motion method based on Fano spectrum decomposition for low temperature environments. <i>Journal of Chemical Physics</i> , <b>2020</b> , 152, 064107	3.9	21
128	Many-body tunneling and nonequilibrium dynamics in double quantum dots with capacitive coupling. <i>Journal of Physics Condensed Matter</i> , <b>2020</b> , 33, 075301	1.8	

127	System-bath entanglement theorem with Gaussian environments. <i>Journal of Chemical Physics</i> , <b>2020</b> , 152, 034102	3.9	4
126	Equilibrium and transient thermodynamics: A unified dissipaton-space approach. <i>Journal of Chemical Physics</i> , <b>2020</b> , 153, 154111	3.9	4
125	Stochastic Representation of Non-Markovian Fermionic Quantum Dissipation. <i>Physical Review Letters</i> , <b>2019</b> , 123, 050601	7.4	9
124	Highly efficient and accurate sum-over-poles expansion of Fermi and Bose functions at near zero temperatures: Fano spectrum decomposition scheme. <i>Journal of Chemical Physics</i> , <b>2019</b> , 151, 024110	3.9	24
123	The current-induced heat generation in a quantum dot with Andreev-Fano resonance. <i>Journal of Applied Physics</i> , <b>2019</b> , 126, 195101	2.5	0
122	Transient dynamics of a quantum-dot: From Kondo regime to mixed valence and to empty orbital regimes. <i>Journal of Chemical Physics</i> , <b>2018</b> , 148, 134111	3.9	4
121	Precise Control of Local Spin States in an Adsorbed Magnetic Molecule with an STM Tip: Theoretical Insights from First-Principles-Based Simulation. <i>Journal of Physical Chemistry Letters</i> , <b>2018</b> , 9, 2418-2425	6.4	18
120	Manipulating quantum coherence of charge states in interacting double-dot Aharonov-Bohm interferometers. <i>New Journal of Physics</i> , <b>2018</b> , 20, 043043	2.9	4
119	Theories of quantum dissipation and nonlinear coupling bath descriptors. <i>Journal of Chemical Physics</i> , <b>2018</b> , 148, 114103	3.9	13
118	Statistical quasi-particle theory for open quantum systems. <i>Molecular Physics</i> , <b>2018</b> , 116, 780-812	1.7	12
117	On the exact truncation tier of fermionic hierarchical equations of motion. <i>Journal of Chemical Physics</i> , <b>2018</b> , 148, 234108	3.9	17
116	Dissipaton equation of motion theory versus Fokker-Planck quantum master equation. <i>Chinese Journal of Chemical Physics</i> , <b>2018</b> , 31, 245-256	0.9	5
115	A hierarchical-equation-of-motion based semiclassical approach to quantum dissipation. <i>Chinese Journal of Chemical Physics</i> , <b>2018</b> , 31, 608-612	0.9	1
114	Quantum entanglement of parallel-coupled double quantum dots: A theoretical study using the hierarchical equations of motion approach. <i>Chinese Journal of Chemical Physics</i> , <b>2018</b> , 31, 510-516	0.9	4
113	Kondo-peak splitting and resonance enhancement caused by interdot tunneling in coupled double quantum dots. <i>Physical Review B</i> , <b>2018</b> , 98,	3.3	12
112	Chemical Synthesis of Diubiquitin-Based Photoaffinity Probes for Selectively Profiling Ubiquitin-Binding Proteins. <i>Angewandte Chemie</i> , <b>2017</b> , 129, 2788-2792	3.6	10
111	Chemical Synthesis of Diubiquitin-Based Photoaffinity Probes for Selectively Profiling Ubiquitin-Binding Proteins. <i>Angewandte Chemie - International Edition</i> , <b>2017</b> , 56, 2744-2748	16.4	32
110	Fokker-Planck quantum master equation for mixed quantum-semiclassical dynamics. <i>Journal of Chemical Physics</i> , <b>2017</b> , 146, 024104	3.9	10

109	Manipulation of Pauli spin blockade in double quantum dot systems. <i>Journal of Chemical Physics</i> , <b>2017</b> , 146, 224304	3.9	7
108	Many-body Tunneling and Nonequilibrium Dynamics of Doublons in Strongly Correlated Quantum Dots. <i>Scientific Reports</i> , <b>2017</b> , 7, 2486	4.9	10
107	Long-range exchange interaction in triple quantum dots in the Kondo regime. <i>Physical Review B</i> , <b>2017</b> , 95,	3.3	15
106	Low-frequency logarithmic discretization of the reservoir spectrum for improving the efficiency of hierarchical equations of motion approach. <i>Journal of Chemical Physics</i> , <b>2017</b> , 147, 074111	3.9	20
105	Efficient steady-state solver for hierarchical quantum master equations. <i>Journal of Chemical Physics</i> , <b>2017</b> , 147, 044105	3.9	15
104	Ferromagnetic Phase in Nonequilibrium Quantum Dots. <i>Scientific Reports</i> , <b>2017</b> , 7, 18072	4.9	1
103	Theory of Quantum Dissipation in a Class of Non-Gaussian Environments. <i>Chinese Journal of Chemical Physics</i> , <b>2017</b> , 30, 395-403	0.9	10
102	Solvent-induced polarization dynamics and coherent two-dimensional spectroscopy: Dissipaton equation of motion approach. <i>Chemical Physics</i> , <b>2016</b> , 481, 237-244	2.3	11
101	Kinetic Rate Kernels via Hierarchical Liouville-Space Projection Operator Approach. <i>Journal of Physical Chemistry A</i> , <b>2016</b> , 120, 3241-5	2.8	9
100	HEOM-QUICK: a program for accurate, efficient, and universal characterization of strongly correlated quantum impurity systems. <i>Wiley Interdisciplinary Reviews: Computational Molecular Science</i> , <b>2016</b> , 6, 608-638	7.9	63
99	Thermodynamic meaning of local temperature of nonequilibrium open quantum systems. <i>Physical Review B</i> , <b>2016</b> , 94,	3.3	9
98	Minimum-exponents ansatz for molecular dynamics and quantum dissipation. <i>Journal of Chemical Physics</i> , <b>2016</b> , 145, 204110	3.9	11
97	Anisotropy induced Kondo splitting in a mechanically stretched molecular junction: A first-principles based study. <i>Journal of Chemical Physics</i> , <b>2016</b> , 144, 034101	3.9	22
96	Effects of Herzberg-Teller vibronic coupling on coherent excitation energy transfer. <i>Journal of Chemical Physics</i> , <b>2016</b> , 145, 204109	3.9	23
95	Dissipation equation of motion approach to open quantum systems. <i>Frontiers of Physics</i> , <b>2016</b> , 11, 1	3.7	41
94	Current noise spectra and mechanisms with dissipaton equation of motion theory. <i>Journal of Chemical Physics</i> , <b>2015</b> , 142, 234108	3.9	32
93	Time-dependent transport through quantum-impurity systems with Kondo resonance. <i>New Journal of Physics</i> , <b>2015</b> , 17, 033009	2.9	24
92	Improving the efficiency of hierarchical equations of motion approach and application to coherent dynamics in Aharonov-Bohm interferometers. <i>Journal of Chemical Physics</i> , <b>2015</b> , 142, 104112	3.9	30

91	Dissipaton Equation of Motion with Controlled Truncation□ <i>Chinese Journal of Chemical Physics</i> , <b>2015</b> , 28, 409-414	0.9	0
90	Dissipaton equation of motion for system-and-bath interference dynamics. <i>Science China Chemistry</i> , <b>2015</b> , 58, 1816-1824	7.9	14
89	Nonperturbative spin-boson and spin-spin dynamics and nonlinear Fano interferences: a unified dissipaton theory based study. <i>Journal of Chemical Physics</i> , <b>2015</b> , 142, 024112	3.9	28
88	Local temperatures of strongly-correlated quantum dots out of equilibrium. <i>Physical Review B</i> , <b>2015</b> , 91,	3.3	18
87	Onsets of hierarchy truncation and self-consistent Born approximation with quantum mechanics prescriptions invariance. <i>Journal of Chemical Physics</i> , <b>2015</b> , 143, 214112	3.9	12
86	Hierarchical equations of motion for an impurity solver in dynamical mean-field theory. <i>Physical Review B</i> , <b>2014</b> , 90,	3.3	27
85	Quantum transfer through a non-Markovian environment under frequent measurements and Zeno effect. <i>Physical Review A</i> , <b>2014</b> , 90,	2.6	10
84	Dynamic protein conformations preferentially drive energy transfer along the active chain of the photosystem II reaction centre. <i>Nature Communications</i> , <b>2014</b> , 5, 4170	17.4	33
83	Theory of open quantum systems with bath of electrons and phonons and spins: many-dissipaton density matrixes approach. <i>Journal of Chemical Physics</i> , <b>2014</b> , 140, 054105	3.9	83
82	Improved master equation approach to quantum transport: from Born to self-consistent Born approximation. <i>Journal of Chemical Physics</i> , <b>2014</b> , 140, 244111	3.9	18
81	Thermopower of few-electron quantum dots with Kondo correlations. <i>Physical Review B</i> , <b>2014</b> , 90,	3.3	30
80	Nonadiabatic molecular dynamics simulation: An approach based on quantum measurement picture. <i>AIP Advances</i> , <b>2014</b> , 4, 077131	1.5	19
79	Number-resolved master equation approach to quantum transport under the self-consistent Born approximation. <i>Science China: Physics, Mechanics and Astronomy</i> , <b>2013</b> , 56, 1866-1873	3.6	2
78	Time-dependent quantum transport theory and its applications to graphene nanoribbons. <i>Physica Status Solidi (B): Basic Research</i> , <b>2013</b> , 250, 2481-2494	1.3	19
77	Correlated driving and dissipation in two-dimensional spectroscopy. <i>Journal of Chemical Physics</i> , <b>2013</b> , 138, 024106	3.9	23
76	Kondo memory in driven strongly correlated quantum dots. <i>Physical Review Letters</i> , <b>2013</b> , 111, 086601	7.4	54
75	Hierarchical Liouville-space approach to nonequilibrium dynamical properties of quantum impurity systems. <i>Physical Review B</i> , <b>2013</b> , 88,	3.3	32
74	Inelastic electron transport through mesoscopic systems: Heating versus cooling and sequential tunneling versus cotunneling processes. <i>Physical Review B</i> , <b>2012</b> , 85,	3.3	22

73	Hierarchical Liouville-space approach for accurate and universal characterization of quantum impurity systems. <i>Physical Review Letters</i> , <b>2012</b> , 109, 266403	7.4	100
72	Optimizing hierarchical equations of motion for quantum dissipation and quantifying quantum bath effects on quantum transfer mechanisms. <i>Journal of Chemical Physics</i> , <b>2012</b> , 136, 224103	3.9	41
71	Large-deviation analysis for counting statistics in mesoscopic transport. <i>Physical Review B</i> , <b>2011</b> , 84,	3.3	24
70	Padé-spectrum decompositions of quantum distribution functions and optimal hierarchical equations of motion construction for quantum open systems. <i>Journal of Chemical Physics</i> , <b>2011</b> , 134, 244106	3.9	142
69	Optimized hierarchical equations of motion theory for Drude dissipation and efficient implementation to nonlinear spectroscopies. <i>Journal of Chemical Physics</i> , <b>2011</b> , 135, 164107	3.9	49
68	Quantifying quantum discord and entanglement of formation via unified purifications. <i>Physical Review A</i> , <b>2011</b> , 83,	2.6	44
67	Non-Markovian shot noise spectrum of quantum transport through quantum dots. <i>Journal of Applied Physics</i> , <b>2011</b> , 109, 053704	2.5	18
66	Communication: Padé-spectrum decomposition of Fermi function and Bose function. <i>Journal of Chemical Physics</i> , <b>2010</b> , 133, 101106	3.9	148
65	Real-time counting of single electron tunneling through a T-shaped double quantum dot system. <i>Journal of Applied Physics</i> , <b>2010</b> , 108, 083720	2.5	5
64	Biexponential theory of Drude dissipation via hierarchical quantum master equation. <i>Journal of Chemical Physics</i> , <b>2010</b> , 133, 114112	3.9	28
63	Density functional theory study of 1:1 glycine-water complexes in the gas phase and in solution. <i>Science China Chemistry</i> , <b>2010</b> , 53, 383-395	7.9	18
62	Hierarchical theory of quantum dissipation: Partial fraction decomposition scheme. <i>Chemical Physics</i> , <b>2010</b> , 370, 109-114	2.3	10
61	Numerical approach to time-dependent quantum transport and dynamical Kondo transition. <i>Journal of Chemical Physics</i> , <b>2009</b> , 130, 164708	3.9	91
60	Optical line shapes of molecular aggregates: hierarchical equations of motion method. <i>Journal of Chemical Physics</i> , <b>2009</b> , 131, 094502	3.9	107
59	Hierarchical quantum master equation with semiclassical Drude dissipation. <i>Journal of Chemical Physics</i> , <b>2009</b> , 131, 214111	3.9	31
58	Efficient hierarchical Liouville space propagator to quantum dissipative dynamics. <i>Journal of Chemical Physics</i> , <b>2009</b> , 130, 084105	3.9	178
57	Performance of Several Density Functional Theory Methods on Describing Hydrogen-Bond Interactions. <i>Journal of Chemical Theory and Computation</i> , <b>2009</b> , 5, 86-96	6.4	117
56	Complex non-Markovian effect on time-dependent quantum transport. <i>Journal of Chemical Physics</i> , <b>2009</b> , 130, 124508	3.9	40

55	Exact dynamics of driven Brownian oscillators. <i>Journal of Chemical Physics</i> , <b>2009</b> , 130, 074107	3.9	17
54	Electron transfer dynamics: Zusman equation versus exact theory. <i>Journal of Chemical Physics</i> , <b>2009</b> , 130, 164518	3.9	66
53	Exact dynamics of dissipative electronic systems and quantum transport: Hierarchical equations of motion approach. <i>Journal of Chemical Physics</i> , <b>2008</b> , 128, 234703	3.9	271
52	Dynamic electronic response of a quantum dot driven by time-dependent voltage. <i>Journal of Chemical Physics</i> , <b>2008</b> , 129, 184112	3.9	57
51	Dynamic Coulomb blockade in single-lead quantum dots. <i>New Journal of Physics</i> , <b>2008</b> , 10, 093016	2.9	48
50	Dissipative dynamic theory for open many-electron systems: Hierarchical equations-of-motion approach <b>2008</b> ,		1
49	Spin-mixing dynamics in a spin-1 atomic condensate coupled with a molecular condensate. <i>Physical Review A</i> , <b>2008</b> , 77,	2.6	11
48	Conductance switching, hysteresis, and magnetoresistance in organic semiconductors. <i>Organic Electronics</i> , <b>2007</b> , 8, 487-497	3.5	26
47	Dynamics of quantum dissipation systems interacting with bosonic canonical bath: hierarchical equations of motion approach. <i>Physical Review E</i> , <b>2007</b> , 75, 031107	2.4	115
46	Quantum master equation scheme of time-dependent density functional theory to time-dependent transport in nanoelectronic devices. <i>Physical Review B</i> , <b>2007</b> , 75,	3.3	36
45	Quantum dynamics of a molecular matter-wave amplifier. <i>Physical Review A</i> , <b>2007</b> , 75,	2.6	1
44	Calculation of the current noise spectrum in mesoscopic transport: A quantum master equation approach. <i>Physical Review B</i> , <b>2007</b> , 76,	3.3	43
43	Bias-induced insulator-metal transition in organic electronics. <i>Applied Physics Letters</i> , <b>2007</b> , 91, 022115	3.4	9
42	Quantum coherence control of solid-state charge qubit by means of a suboptimal feedback algorithm. <i>Physical Review B</i> , <b>2006</b> , 73,	3.3	9
41	Optical manipulation of single electron spin in doped and undoped quantum dots. <i>Applied Physics Letters</i> , <b>2006</b> , 89, 041112	3.4	
40	Stimulated Raman adiabatic passage from atomic to molecular Bose-Einstein condensates: Feedback laser-detuning control and suppression of dynamical instability. <i>Physical Review A</i> , <b>2006</b> , 73,	2.6	16
39	EFFECTS OF PHASE-BREAKING ON LONG-RANGE CHARGE TRANSFER IN DNA: PARTIALLY-COHERENT-TUNNELING MODEL STUDY. <i>Journal of Theoretical and Computational Chemistry</i> , <b>2006</b> , 05, 317-329	1.8	1
38	Quantum transport from the perspective of quantum open systems. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , <b>2006</b> , 357, 449-453	2.3	30

37	Trapping and hopping of bipolarons in DNA: Su-Schrieffer-Heeger model calculations. <i>Physical Review B</i> , <b>2005</b> , 72,	3.3	13
36	Quantum mechanics of dissipative systems. <i>Annual Review of Physical Chemistry</i> , <b>2005</b> , 56, 187-219	15.7	141
35	Exact quantum master equation via the calculus on path integrals. <i>Journal of Chemical Physics</i> , <b>2005</b> , 122, 41103	3.9	208
34	Spontaneous relaxation of a charge qubit under electrical measurement. <i>Physical Review Letters</i> , <b>2005</b> , 94, 066803	7.4	66
33	Kinetic study for hopping conduction through deoxyribonucleic acid molecules. <i>Applied Physics Letters</i> , <b>2005</b> , 86, 203901	3.4	7
32	Quantum master-equation approach to quantum transport through mesoscopic systems. <i>Physical Review B</i> , <b>2005</b> , 71,	3.3	125
31	Correlation and response functions with non-Markovian dissipation: a reduced Liouville-space theory. <i>Journal of Chemical Physics</i> , <b>2005</b> , 122, 84115	3.9	22
30	Transverse localization and slow propagation of light. <i>Physical Review A</i> , <b>2005</b> , 72,	2.6	15
29	Quantum measurement of a solid-state qubit: A unified quantum master equation approach. <i>Physical Review B</i> , <b>2004</b> , 69,	3.3	32
28	Experimental and Theoretical Studies of Protein Folding-Unfolding. <i>Journal of the Chinese Chemical Society</i> , <b>2004</b> , 51, 1161-1173	1.5	6
27	Application of the Generalized Kinetic Ising Model to the Kinetics of Protein Folding. <i>Journal of the Chinese Chemical Society</i> , <b>2003</b> , 50, 335-338	1.5	7
26	Thermodynamics and kinetics of protein folding: A mean field theory. <i>Physical Chemistry Chemical Physics</i> , <b>2003</b> , 5, 5300	3.6	14
25	Highly coherent solid-state quantum bit from a pair of quantum dots. <i>Applied Physics Letters</i> , <b>2002</b> , 81, 168-170	3.4	5
24	Optimal pump-dump control and time-frequency resolved spectroscopy of ground-state wave-packet focusing. <i>Journal of Chemical Physics</i> , <b>2002</b> , 117, 6142-6147	3.9	9
23	Quantum computation with coupled quantum dots embedded in optical microcavities. <i>Physical Review B</i> , <b>2002</b> , 65,	3.3	28
22	Partially coherent tunneling through a series of barriers: Inelastic scattering versus pure dephasing. <i>Physical Review B</i> , <b>2002</b> , 65,	3.3	14
21	Theory of open quantum systems. <i>Journal of Chemical Physics</i> , <b>2002</b> , 116, 9196-9206	3.9	51
20	Interplay between partial incoherence, partial inelasticity, resonance, and heterogeneity in long-range electron transfer and transport. <i>Journal of Chemical Physics</i> , <b>2002</b> , 117, 2180-2186	3.9	8



19	Nonadiabatic geometric quantum computation with trapped ions. <i>Physical Review A</i> , <b>2002</b> , 66,	2.6	12
18	A partially incoherent rate theory of long-range charge transfer in deoxyribose nucleic acid. <i>Journal of Chemical Physics</i> , <b>2002</b> , 117, 4578-4584	3.9	74
17	Dynamical semigroup Fokker-Planck equation approach to transient absorption and fluorescence upconversion spectroscopies. <i>Journal of Chemical Physics</i> , <b>2001</b> , 114, 3868-3879	3.9	30
16	Electrical transport through individual DNA molecules. <i>Applied Physics Letters</i> , <b>2001</b> , 79, 2190-2192	3.4	83
15	Scattering matrix approach to electronic dephasing in long-range electron transfer. <i>Journal of Chemical Physics</i> , <b>2001</b> , 115, 4169-4174	3.9	30
14	Exact equivalence between the sequential long-range charge transfer rates and the electric conductances in evaluation of chemical yields. <i>Journal of Chemical Physics</i> , <b>2001</b> , 114, 8248-8250	3.9	8
13	Theory and experiment of coherent wave packet dynamics in rare earth solids: Absorption spectrum vs femtosecond fringe-resolved interferogram. <i>Journal of Chemical Physics</i> , <b>2001</b> , 114, 1870-1875	3.9	7
12	A Superexchange-Mediated Sequential Hopping Theory for Charge Transfer in DNA. <i>Journal of Physical Chemistry A</i> , <b>2001</b> , 105, 9563-9567	2.8	26
11	Unified approach to the Bloch-Redfield theory and quantum Fokker-Planck equations. <i>Journal of Chemical Physics</i> , <b>2000</b> , 113, 2068-2078	3.9	48
10	Generalized quantum Fokker-Planck theory and its application to laser driven intramolecular hydrogen transfer reactions in condensed phases. <i>Journal of Chemical Physics</i> , <b>2000</b> , 112, 6104-6112	3.9	25
9	Optimal control of multisurface molecular systems. <i>Journal of Chemical Physics</i> , <b>1998</b> , 109, 1654-1662	3.9	10
8	Quantum Fokker-Planck theory in a non-Gaussian-Markovian medium. <i>Physical Review A</i> , <b>1998</b> , 58, 2721-2732	3.9	80
7	Effective Hamiltonians of polymethineimine, polyazine and polyazoethene: A density matrix variation approach. <i>Journal of Chemical Physics</i> , <b>1998</b> , 109, 2565-2571	3.9	8
6	A classical time-frequency theory of transient absorption spectroscopy. <i>Journal of Chemical Physics</i> , <b>1997</b> , 106, 6947-6956	3.9	12
5	Optimal pump-dump control: Linearization and symmetry relation. <i>Journal of Chemical Physics</i> , <b>1997</b> , 107, 3471-3477	3.9	11
4	Semiclassical Dynamics and Quantum Control in Condensed Phases: Application to I <sub>2</sub> in a Solid Argon Matrix. <i>The Journal of Physical Chemistry</i> , <b>1996</b> , 100, 7873-7883		26
3	Magnetic Field Dependent Kondo Transport through Double Quantum Dots System. <i>Annalen Der Physik</i> , 2100439	2.6	
2	CHAPTER 13: Modified Zusman Equation for Quantum Solvation Dynamics and Rate Processes. <i>RSC Theoretical and Computational Chemistry Series</i> , 319-336	1.2	2

- 1 Universal time-domain Prony fitting decomposition for optimized hierarchical quantum master equations. *Journal of Chemical Physics*, 3.9 3