

# Yang Zhao

## List of Publications by Year in Descending Order

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

192  
papers

8,153  
citations

43  
h-index

84  
g-index

194  
ext. papers

9,729  
ext. citations

5.3  
avg, IF

6.53  
L-index

#	Paper	IF	Citations
192	Dynamics of disordered Tavis-Cummings and Holstein-Tavis-Cummings models.. <i>Journal of Chemical Physics</i> , <b>2022</b> , 156, 024102	3.9	2
191	Accurate Simulation of Spectroscopic Signatures of Cavity-Assisted, Conical-Intersection-Controlled Singlet Fission Processes.. <i>Journal of Physical Chemistry Letters</i> , <b>2022</b> , 4280-4288	6.4	1
190	Engineering Cavity Singlet Fission in Rubrene.. <i>Journal of Physical Chemistry Letters</i> , <b>2022</b> , 4090-4097	6.4	1
189	Lamb Shift and the Vacuum Rabi Splitting in a Strongly Dissipative Environment. <i>Journal of Physical Chemistry Letters</i> , <b>2021</b> , 12, 9919-9925	6.4	1
188	Emerging Low-Dimensional Crystal Structure of Metal Halide Perovskite Optoelectronic Materials and Devices. <i>Small Structures</i> , <b>2021</b> , 2, 2000133	8.7	11
187	Schrödinger-Cat States in Landau-Zener-Stückelberg-Majorana Interferometry: A Multiple Davydov Ansatz Approach. <i>Journal of Physical Chemistry B</i> , <b>2021</b> , 125, 3184-3196	3.4	5
186	Perovskite Light-Emitting Diodes with External Quantum Efficiency Exceeding 22% via Small-Molecule Passivation. <i>Advanced Materials</i> , <b>2021</b> , 33, e2007169	24	77
185	A Deep-Learning Approach to the Dynamics of Landau-Zener Transitions. <i>Advanced Theory and Simulations</i> , <b>2021</b> , 4, 2100083	3.5	3
184	Simulation of Time- and Frequency-Resolved Four-Wave-Mixing Signals at Finite Temperatures: A Thermo-Field Dynamics Approach. <i>Journal of Chemical Theory and Computation</i> , <b>2021</b> , 17, 4359-4373	6.4	7
183	Fully Quantum Modeling of Exciton Diffusion in Mesoscale Light Harvesting Systems. <i>Materials</i> , <b>2021</b> , 14,	3.5	7
182	Singlet fission dynamics and optical spectra of pentacene and its derivatives. <i>Physical Chemistry Chemical Physics</i> , <b>2021</b> , 23, 12654-12667	3.6	5
181	Efficient simulation of time- and frequency-resolved four-wave-mixing signals with a multiconfigurational Ehrenfest approach. <i>Journal of Chemical Physics</i> , <b>2021</b> , 154, 054105	3.9	7
180	Photon-assisted Landau-Zener transitions in a periodically driven Rabi dimer coupled to a dissipative mode. <i>Journal of Chemical Physics</i> , <b>2021</b> , 154, 044102	3.9	5
179	Dimension-Tunable Circularly Polarized Luminescent Nanoassemblies with Emerging Selective Chirality and Energy Transfer. <i>ACS Nano</i> , <b>2020</b> , 14, 2373-2384	16.7	26
178	Temperature effects on singlet fission dynamics mediated by a conical intersection. <i>Journal of Chemical Physics</i> , <b>2020</b> , 153, 194106	3.9	15
177	Stabilizing ECsPbI Perovskite via Phenylethylammonium for Efficient Solar Cells with Open-Circuit Voltage over 1.3V. <i>Small</i> , <b>2020</b> , 16, e2005246	11	24
176	Ultrafast dynamics in rubrene and its spectroscopic manifestation. <i>Journal of Chemical Physics</i> , <b>2020</b> , 153, 174105	3.9	8

175	Alkaline-Earth Metal Ion Turn-On Circularly Polarized Luminescence and Encrypted Selective Recognition of AMP. <i>Small Methods</i> , <b>2020</b> , 4, 2000493	12.8	5
174	A Flexible and Infrared-Transparent Bi <sub>2</sub> Te <sub>3</sub> -Carbon Nanotube Thermoelectric Hybrid for both Active and Passive Cooling. <i>ACS Applied Electronic Materials</i> , <b>2020</b> , 2, 3008-3016	4	5
173	Large cation ethylammonium incorporated perovskite for efficient and spectra stable blue light-emitting diodes. <i>Nature Communications</i> , <b>2020</b> , 11, 4165	17.4	113
172	Variational approach to time-dependent fluorescence of a driven qubit. <i>Physical Review A</i> , <b>2020</b> , 102,	2.6	3
171	Applications of neural networks to dynamics simulation of Landau-Zener transitions. <i>Chemical Physics</i> , <b>2020</b> , 528, 110509	2.3	6
170	Recent Progresses on Defect Passivation toward Efficient Perovskite Solar Cells. <i>Advanced Energy Materials</i> , <b>2020</b> , 10, 1902650	21.8	283
169	Mapping of Wave Packet Dynamics at Conical Intersections by Time- and Frequency-Resolved Fluorescence Spectroscopy: A Computational Study. <i>Journal of Physical Chemistry Letters</i> , <b>2019</b> , 10, 5873-5880	6.4	14
168	Monitoring of singlet fission via two-dimensional photon-echo and transient-absorption spectroscopy: Simulations by multiple Davydov trial states. <i>Journal of Chemical Physics</i> , <b>2019</b> , 151, 114102	3.9	12
167	Tailoring Nanoporous Structures in BiTe Thin Films for Improved Thermoelectric Performance. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2019</b> , 11, 38075-38083	9.5	26
166	Davydov-Ansatz for Landau-Zener-Stueckelberg-Majorana transitions in an environment: Tuning the survival probability via number state excitation. <i>Journal of Chemical Physics</i> , <b>2019</b> , 150, 234109	3.9	10
165	Stabilizing the black phase of cesium lead halide inorganic perovskite for efficient solar cells. <i>Science China Chemistry</i> , <b>2019</b> , 62, 810-821	7.9	26
164	Surface passivation of perovskite film for efficient solar cells. <i>Nature Photonics</i> , <b>2019</b> , 13, 460-466	33.9	2262
163	Dissipative dynamics in a tunable Rabi dimer with periodic harmonic driving. <i>Journal of Chemical Physics</i> , <b>2019</b> , 150, 184116	3.9	6
162	Recent Progress in High-efficiency Planar-structure Perovskite Solar Cells. <i>Energy and Environmental Materials</i> , <b>2019</b> , 2, 93-106	13	29
161	Cesium Lead Inorganic Solar Cell with Efficiency beyond 18% via Reduced Charge Recombination. <i>Advanced Materials</i> , <b>2019</b> , 31, e1905143	24	138
160	Flexible layer-structured BiTe thermoelectric on a carbon nanotube scaffold. <i>Nature Materials</i> , <b>2019</b> , 18, 62-68	27	188
159	Flexible silver nanowire transparent conductive films prepared by an electrostatic adsorption self-assembly process. <i>Journal of Materials Science</i> , <b>2019</b> , 54, 5802-5812	4.3	13
158	Cellulose Fiber-Based Hierarchical Porous Bismuth Telluride for High-Performance Flexible and Tailorable Thermoelectrics. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2018</b> , 10, 1743-1751	9.5	56

157	Green Preparation of Cellulose Nanocrystal and Its Application. <i>ACS Sustainable Chemistry and Engineering</i> , <b>2018</b> , 6, 2954-2960	8.3	67
156	Dynamics of dissipative Landau-Zener transitions. <i>Physical Review A</i> , <b>2018</b> , 97,	2.6	18
155	Simulation of Femtosecond Phase-Locked Double-Pump Signals of Individual Light-Harvesting Complexes LH2. <i>Journal of Physical Chemistry Letters</i> , <b>2018</b> , 9, 4488-4494	6.4	5
154	Antistatic PVC-graphene Composite through Plasticizer-mediated Exfoliation of Graphite. <i>Chinese Journal of Polymer Science (English Edition)</i> , <b>2018</b> , 36, 1361-1367	3.5	11
153	Dynamics of the spin-boson model: A comparison of the multiple Davydov D1,D1.5,D2 Ansatz. <i>Chemical Physics</i> , <b>2018</b> , 515, 108-118	2.3	11
152	Transient Dynamics of Super Bloch Oscillations of a 1D Holstein Polaron under the Influence of an External AC Electric Field. <i>Annalen Der Physik</i> , <b>2018</b> , 531, 1800303	2.6	4
151	Flexible double-cross-linked cellulose-based hydrogel and aerogel membrane for supercapacitor separator. <i>Journal of Materials Chemistry A</i> , <b>2018</b> , 6, 24468-24478	13	61
150	Engineering Photon Delocalization in a Rabi Dimer with a Dissipative Bath. <i>Annalen Der Physik</i> , <b>2018</b> , 530, 1800351	2.6	4
149	Variational Study of the Two-Impurity SpinBoson Model with a Common Ohmic Bath: Ground-State Phase Transitions. <i>Annalen Der Physik</i> , <b>2018</b> , 530, 1800120	2.6	4
148	Composition and Interface Engineering for Efficient and Thermally Stable PbSn Mixed Low-Bandgap Perovskite Solar Cells. <i>Advanced Functional Materials</i> , <b>2018</b> , 28, 1804603	15.6	62
147	Applications of neural networks to the simulation of dynamics of open quantum systems. <i>Chemical Physics</i> , <b>2018</b> , 515, 272-278	2.3	10
146	Thin Cellulose Nanofiber from Corncob Cellulose and Its Performance in Transparent Nanopaper. <i>ACS Sustainable Chemistry and Engineering</i> , <b>2017</b> , 5, 2529-2534	8.3	51
145	Tetra-EDOT substituted 3D electrochromic polymers with lower band gaps. <i>Science China Chemistry</i> , <b>2017</b> , 60, 90-98	7.9	6
144	Transient dynamics of a one-dimensional Holstein polaron under the influence of an external electric field. <i>Annalen Der Physik</i> , <b>2017</b> , 529, 1600367	2.6	22
143	Effect of high-frequency modes on singlet fission dynamics. <i>Journal of Chemical Physics</i> , <b>2017</b> , 146, 044101	10.1	52
142	Finite-temperature time-dependent variation with multiple Davydov states. <i>Journal of Chemical Physics</i> , <b>2017</b> , 146, 124127	3.9	40
141	Photoinduced Intra- and Intermolecular Energy Transfer in Chlorophyll a Dimer. <i>Journal of Physical Chemistry B</i> , <b>2017</b> , 121, 5331-5339	3.4	18
140	Polaron dynamics with off-diagonal coupling: beyond the Ehrenfest approximation. <i>Physical Chemistry Chemical Physics</i> , <b>2017</b> , 19, 1655-1668	3.6	36

139	A Unique Blend of 2-Fluorenyl-2-anthracene and 2-Anthryl-2-anthracene Showing White Emission and High Charge Mobility. <i>Angewandte Chemie - International Edition</i> , <b>2017</b> , 56, 722-727	16.4	66
138	A Unique Blend of 2-Fluorenyl-2-anthracene and 2-Anthryl-2-anthracene Showing White Emission and High Charge Mobility. <i>Angewandte Chemie</i> , <b>2017</b> , 129, 740-745	3.6	11
137	Dynamics of Coupled Electron-Boson Systems with the Multiple Davydov D Ansatz and the Generalized Coherent State. <i>Journal of Physical Chemistry A</i> , <b>2017</b> , 121, 8757-8770	2.8	24
136	Effect of Off-Diagonal Exciton-Phonon Coupling on Intramolecular Singlet Fission. <i>Journal of Physical Chemistry Letters</i> , <b>2017</b> , 8, 3306-3312	6.4	29
135	Direct evaluation of boson dynamics via finite-temperature time-dependent variation with multiple Davydov states. <i>Journal of Chemical Physics</i> , <b>2017</b> , 147, 234107	3.9	7
134	Finite temperature dynamics of a Holstein polaron: The thermo-field dynamics approach. <i>Journal of Chemical Physics</i> , <b>2017</b> , 147, 214102	3.9	29
133	Dynamics of coherence, localization and excitation transfer in disordered nanorings. <i>Physical Chemistry Chemical Physics</i> , <b>2017</b> , 19, 25996-26013	3.6	7
132	Study of Electronic Structures and Pigment-Protein Interactions in the Reaction Center of <i>Thermochromatium tepidum</i> with a Dynamic Environment. <i>Journal of Physical Chemistry B</i> , <b>2016</b> , 120, 10046-10058	3.4	9
131	Exotic fluorescence spectrum of a superconducting qubit driven simultaneously by longitudinal and transversal fields. <i>Physical Review A</i> , <b>2016</b> , 93,	2.6	10
130	Superradiance at the localization-delocalization crossover in tubular chlorosomes. <i>Physical Review E</i> , <b>2016</b> , 93, 022414	2.4	9
129	Activated carbon from nitrogen rich watermelon rind for high-performance supercapacitors. <i>RSC Advances</i> , <b>2016</b> , 6, 59333-59342	3.7	57
128	Generalization of the Davydov Ansatz by squeezing. <i>Chemical Physics</i> , <b>2016</b> , 481, 99-107	2.3	9
127	A versatile method for producing functionalized cellulose nanofibers and their application. <i>Nanoscale</i> , <b>2016</b> , 8, 3753-9	7.7	73
126	Influence of heteroatoms on the charge mobility of anthracene derivatives. <i>Journal of Materials Chemistry C</i> , <b>2016</b> , 4, 3517-3522	7.1	29
125	Probing ultrafast excitation energy transfer of the chlorosome with exciton-phonon variational dynamics. <i>Physical Chemistry Chemical Physics</i> , <b>2016</b> , 18, 20298-311	3.6	21
124	Fast, Accurate Simulation of Polaron Dynamics and Multidimensional Spectroscopy by Multiple Davydov Trial States. <i>Journal of Physical Chemistry A</i> , <b>2016</b> , 120, 1562-76	2.8	45
123	Internal Conversion and Vibrational Energy Redistribution in Chlorophyll A. <i>Journal of Physical Chemistry B</i> , <b>2016</b> , 120, 49-58	3.4	25
122	"Doping" pentacene with sp <sup>2</sup> -phosphorus atoms: towards high performance ambipolar semiconductors. <i>Physical Chemistry Chemical Physics</i> , <b>2016</b> , 18, 3173-8	3.6	12

121	Synergistic Effect of Mesoporous Co <sub>3</sub> O <sub>4</sub> Nanowires Confined by N-Doped Graphene Aerogel for Enhanced Lithium Storage. <i>Small</i> , <b>2016</b> , 12, 3849-60	11	70
120	Dynamics of the two-spin spin-boson model with a common bath. <i>Journal of Chemical Physics</i> , <b>2016</b> , 144, 144102	3.9	18
119	Variational dynamics of the sub-Ohmic spin-boson model on the basis of multiple Davydov D1 states. <i>Journal of Chemical Physics</i> , <b>2016</b> , 144, 024101	3.9	44
118	A variational master equation approach to quantum dynamics with off-diagonal coupling in a sub-Ohmic environment. <i>Journal of Chemical Physics</i> , <b>2016</b> , 144, 204106	3.9	13
117	Optical and transport properties of single crystal rubrene: A theoretical study. <i>Chemical Physics</i> , <b>2016</b> , 481, 198-205	2.3	6
116	Dissipative dynamics at conical intersections: simulations with the hierarchy equations of motion method. <i>Faraday Discussions</i> , <b>2016</b> , 194, 61-80	3.6	31
115	A ring-closure method for preparing cyclic polymers from unconjugated vinyl monomers. <i>Polymer Chemistry</i> , <b>2015</b> , 6, 6659-6663	4.9	24
114	Dynamics of a One-Dimensional Holstein Polaron with the Hierarchical Equations of Motion Approach. <i>Journal of Physical Chemistry Letters</i> , <b>2015</b> , 6, 3110-5	6.4	53
113	Quantifying non-Markovianity for a chromophore-qubit pair in a super-Ohmic bath. <i>Physical Chemistry Chemical Physics</i> , <b>2015</b> , 17, 8087-96	3.6	10
112	Dye-sensitized polyoxometalate for visible-light-driven photoelectrochemical cells. <i>Dalton Transactions</i> , <b>2015</b> , 44, 14354-8	4.3	37
111	Elucidating the enhancement in optical properties of low band gap polymers by tuning the structure of alkyl side chains. <i>Physical Chemistry Chemical Physics</i> , <b>2015</b> , 17, 9541-51	3.6	2
110	Synthesis, Structure, and Air-stable N-type Field-Effect Transistor Behaviors of Functionalized Octaazanonacene-8,19-dione. <i>Angewandte Chemie - International Edition</i> , <b>2015</b> , 54, 6292-6	16.4	134
109	Synthesis, Structure, and Air-stable N-type Field-Effect Transistor Behaviors of Functionalized Octaazanonacene-8,19-dione. <i>Angewandte Chemie</i> , <b>2015</b> , 127, 6390-6394	3.6	28
108	Davydov Ansatz as an efficient tool for the simulation of nonlinear optical response of molecular aggregates. <i>Journal of Chemical Physics</i> , <b>2015</b> , 142, 212448	3.9	31
107	N-Heteroheptacenequinone and N-heterononacenequinone: synthesis, physical properties, crystal structures and photoelectrochemical behaviors. <i>Journal of Materials Chemistry C</i> , <b>2015</b> , 3, 9877-9884	7.1	21
106	Modulation of Electronic Structure of Armchair MoS Nanoribbon. <i>Journal of Physical Chemistry C</i> , <b>2015</b> , 119, 22164-22171	3.8	29
105	A novel D <sub>3h</sub> small molecule with N-heteroacene as acceptor moiety for photovoltaic application. <i>Dyes and Pigments</i> , <b>2015</b> , 122, 231-237	4.6	15
104	Modulation of Electronic Structure of Armchair MoS <sub>2</sub> Nanoribbon. <i>Journal of Physical Chemistry A</i> , <b>2015</b> , 150902124434000	2.8	

103	In Situ Integration of Anisotropic SnO <sub>2</sub> Heterostructures inside Three-Dimensional Graphene Aerogel for Enhanced Lithium Storage. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2015</b> , 7, 26085-93	9.5	23
102	Double [4 + 2] cycloaddition reaction to approach a large acene with even-number linearly fused benzene rings: 6,9,16,19-tetraphenyl-1,20,4,5,10,11,14,15-tetrabenzooctatwistacene. <i>Journal of Organic Chemistry</i> , <b>2015</b> , 80, 109-13	4.2	79
101	A preloaded amorphous calcium carbonate/doxorubicin@silica nanoreactor for pH-responsive delivery of an anticancer drug. <i>Angewandte Chemie - International Edition</i> , <b>2015</b> , 54, 919-22	16.4	185
100	Symmetry and the critical phase of the two-bath spin-boson model: Ground-state properties. <i>Physical Review B</i> , <b>2015</b> , 91,	3.3	21
99	Ansatz for the quantum phase transition in a dissipative two-qubit system. <i>Physical Review E</i> , <b>2015</b> , 91, 062115	2.4	5
98	Competition between diagonal and off-diagonal coupling gives rise to charge-transfer states in polymeric solar cells. <i>Scientific Reports</i> , <b>2015</b> , 5, 14555	4.9	12
97	Non-radiative relaxation of photoexcited chlorophylls: theoretical and experimental study. <i>Scientific Reports</i> , <b>2015</b> , 5, 13625	4.9	39
96	Polaron dynamics with a multitude of Davydov D2 trial states. <i>Journal of Chemical Physics</i> , <b>2015</b> , 143, 014113	3.9	52
95	A Preloaded Amorphous Calcium Carbonate/Doxorubicin@Silica Nanoreactor for pH-Responsive Delivery of an Anticancer Drug. <i>Angewandte Chemie</i> , <b>2015</b> , 127, 933-936	3.6	11
94	Optimal Energy Transfer in Light-Harvesting Systems. <i>Molecules</i> , <b>2015</b> , 20, 15224-72	4.8	25
93	Theory of femtosecond coherent double-pump single-molecule spectroscopy: Application to light harvesting complexes. <i>Journal of Chemical Physics</i> , <b>2015</b> , 142, 164106	3.9	18
92	Dynamics of bipartite and tripartite entanglement in a dissipative system of continuous variables. <i>Physica A: Statistical Mechanics and Its Applications</i> , <b>2015</b> , 423, 80-96	3.3	4
91	Compressed hydrogen gas-induced synthesis of AuPt core-shell nanoparticle chains towards high-performance catalysts for LiD <sub>2</sub> batteries. <i>Journal of Materials Chemistry A</i> , <b>2014</b> , 2, 10676-10681	13	32
90	Dissipative dynamics of two-level systems in low temperature glasses. <i>Journal of Physical Chemistry A</i> , <b>2014</b> , 118, 2220-7	2.8	2
89	Dephasing and dissipation in a source-drain model of light-harvesting systems. <i>ChemPhysChem</i> , <b>2014</b> , 15, 2859-70	3.2	5
88	Ground-state properties of sub-Ohmic spin-boson model with simultaneous diagonal and off-diagonal coupling. <i>Physical Review B</i> , <b>2014</b> , 90,	3.3	21
87	Absence of collapse in quantum Rabi oscillations. <i>Physical Review A</i> , <b>2014</b> , 90,	2.6	15
86	Exciton dissociation in the presence of phonons: a reduced hierarchy equations of motion approach. <i>Journal of Chemical Physics</i> , <b>2014</b> , 140, 104113	3.9	10

85	Communication: spin-boson model with diagonal and off-diagonal coupling to two independent baths: ground-state phase transition in the deep sub-Ohmic regime. <i>Journal of Chemical Physics</i> , <b>2014</b> , 140, 161105	3.9	12
84	Path induced coherent energy transfer in light-harvesting complexes in purple bacteria. <i>Journal of Chemical Physics</i> , <b>2014</b> , 141, 124103	3.9	17
83	Dynamics of a two-level system under the simultaneous influence of a spin bath and a boson bath. <i>Journal of Chemical Physics</i> , <b>2013</b> , 139, 054118	3.9	9
82	Disorder influenced absorption line shapes of a chromophore coupled to two-level systems. <i>Journal of Physical Chemistry A</i> , <b>2013</b> , 117, 12320-31	2.8	2
81	Polaron dynamics in two-dimensional photon-echo spectroscopy of molecular rings. <i>Journal of Chemical Physics</i> , <b>2013</b> , 139, 104103	3.9	40
80	Sub-Ohmic spin-boson model with off-diagonal coupling: ground state properties. <i>Journal of Chemical Physics</i> , <b>2013</b> , 139, 164103	3.9	11
79	Entanglement dynamics of two qubits coupled individually to Ohmic baths. <i>Journal of Chemical Physics</i> , <b>2013</b> , 139, 044115	3.9	22
78	Role of formation of statistical aggregates in chlorophyll fluorescence concentration quenching. <i>Journal of Physical Chemistry B</i> , <b>2013</b> , 117, 3976-82	3.4	15
77	Disorder and spectral line shapes in two-level systems. <i>Chemical Physics Letters</i> , <b>2013</b> , 582, 66-70	2.5	1
76	Generalized rotating-wave approximation to biased qubit-oscillator systems. <i>Physical Review A</i> , <b>2013</b> , 87,	2.6	21
75	Synthesis, physical properties, and anion recognition of two novel larger azaacenes: benzannelated hexazaheptacene and benzannelated N,NQdihydrohexazaheptacene. <i>Chemistry - an Asian Journal</i> , <b>2013</b> , 8, 1574-8	4.5	102
74	Atomically flat, large-sized, two-dimensional organic nanocrystals. <i>Small</i> , <b>2013</b> , 9, 990-5	11	45
73	Molecule-based water-oxidation catalysts (WOCs): cluster-size-dependent dye-sensitized polyoxometalates for visible-light-driven O <sub>2</sub> evolution. <i>Scientific Reports</i> , <b>2013</b> , 3, 1853	4.9	64
72	QM/MM modeling of environmental effects on electronic transitions of the FMO complex. <i>Journal of Physical Chemistry B</i> , <b>2013</b> , 117, 3488-95	3.4	46
71	Dynamics of the sub-Ohmic spin-boson model: a comparison of three numerical approaches. <i>Physical Review E</i> , <b>2013</b> , 88, 023303	2.4	31
70	Dynamics of the sub-Ohmic spin-boson model: a time-dependent variational study. <i>Journal of Chemical Physics</i> , <b>2013</b> , 138, 084111	3.9	30
69	Delocalized Davydov D1 Ansatz for the Holstein polaron. <i>Journal of Chemical Physics</i> , <b>2013</b> , 138, 174116	3.9	16
68	A variational surface hopping algorithm for the sub-Ohmic spin-boson model. <i>Journal of Chemical Physics</i> , <b>2013</b> , 139, 014102	3.9	8



67	Optimization of exciton currents in photosynthetic systems. <i>Journal of Chemical Physics</i> , <b>2013</b> , 138, 115103	10	7
66	Organic Nanocrystals: Atomically Flat, Large-Sized, Two-Dimensional Organic Nanocrystals (Small 7/2013). <i>Small</i> , <b>2013</b> , 9, 962-962	11	3
65	High-speed nano-bearings constructed from double-walled carbon nanotubes: Effect of flexile deformation. <i>Journal of Applied Physics</i> , <b>2013</b> , 114, 174501	2.5	3
64	Sign changes of seebeck coefficients due to extrinsic-to-intrinsic transition for PbTe nanocrystals. <i>World Journal of Engineering</i> , <b>2012</b> , 9, 391-398	1.8	2
63	Synthesis and physical properties of four hexazapentacene derivatives. <i>Journal of the American Chemical Society</i> , <b>2012</b> , 134, 20298-301	16.4	113
62	Synthesis and Properties of a Diazopentacene Analogue. <i>Asian Journal of Organic Chemistry</i> , <b>2012</b> , 1, 346-351	3	28
61	Theoretical Examination of Long-Range Energy Propagation in Nano-Engineered Light-Harvesting Antenna Arrays. <i>Journal of Physical Chemistry C</i> , <b>2012</b> , 116, 3747-3756	3.8	14
60	Experimental and theoretical studies on pyrene-grafted polyoxometalate hybrid. <i>Dalton Transactions</i> , <b>2012</b> , 41, 12185-91	4.3	30
59	Equilibrium-reduced density matrix formulation: Influence of noise, disorder, and temperature on localization in excitonic systems. <i>Physical Review B</i> , <b>2012</b> , 85,	3.3	72
58	Excitonic energy transfer in light-harvesting complexes in purple bacteria. <i>Journal of Chemical Physics</i> , <b>2012</b> , 136, 245104	3.9	50
57	Resonant energy transfer assisted by off-diagonal coupling. <i>Journal of Chemical Physics</i> , <b>2012</b> , 136, 124513	3.3	11
56	Dynamics of a Holstein polaron with off-diagonal coupling. <i>Journal of Chemical Physics</i> , <b>2012</b> , 137, 084113	3.9	23
55	Density functional theory analysis of dopants in cupric oxide. <i>Journal of Applied Physics</i> , <b>2012</b> , 111, 103708	3.5	44
54	Investigation of the effects of commensurability on friction between concentric carbon nanotubes. <i>Nanotechnology</i> , <b>2012</b> , 23, 015702	3.4	2
53	Polaronic discontinuities induced by off-diagonal coupling. <i>Journal of Chemical Physics</i> , <b>2012</b> , 137, 034103	3.9	7
52	Enhancement of coherent energy transport by disorder and temperature in light harvesting processes. <i>Journal of Chemical Physics</i> , <b>2012</b> , 137, 094107	3.9	4
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