

Dassia Egorova

List of Publications by Year in descending order

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31
papers

1,357
citations

361413

20
h-index

501196

28
g-index

32
all docs

32
docs citations

32
times ranked

1113
citing authors

#	ARTICLE	IF	CITATIONS
1	Real-time observation of multiexcitonic states in ultrafast singlet fission using coherent 2D electronic spectroscopy. <i>Nature Chemistry</i> , 2016, 8, 16-23.	13.6	308
2	Modeling of ultrafast electron-transfer processes: Validity of multilevel Redfield theory. <i>Journal of Chemical Physics</i> , 2003, 119, 2761-2773.	3.0	151
3	Modeling of ultrafast electron-transfer dynamics: multi-level Redfield theory and validity of approximations. <i>Chemical Physics</i> , 2001, 268, 105-120.	1.9	101
4	Efficient Calculation of Time- and Frequency-Resolved Four-Wave-Mixing Signals. <i>Accounts of Chemical Research</i> , 2009, 42, 1290-1298.	15.6	87
5	Analysis of cross peaks in two-dimensional electronic photon-echo spectroscopy for simple models with vibrations and dissipation. <i>Journal of Chemical Physics</i> , 2007, 126, 074314.	3.0	85
6	Efficient method for the calculation of time- and frequency-resolved four-wave mixing signals and its application to photon-echo spectroscopy. <i>Journal of Chemical Physics</i> , 2005, 123, 164112.	3.0	80
7	Detection of electronic and vibrational coherences in molecular systems by 2D electronic photon echo spectroscopy. <i>Chemical Physics</i> , 2008, 347, 166-176.	1.9	56
8	Effects of intense femtosecond pumping on ultrafast electronic-vibrational dynamics in molecular systems with relaxation. <i>Journal of Chemical Physics</i> , 2008, 129, 214303.	3.0	45
9	Time- and frequency-resolved fluorescence spectra of nonadiabatic dissipative systems: What photons can tell us. <i>Journal of Chemical Physics</i> , 2005, 122, 134504.	3.0	44
10	Efficient and accurate simulations of two-dimensional electronic photon-echo signals: Illustration for a simple model of the Fennaâ€“Matthewsâ€“Olson complex. <i>Journal of Chemical Physics</i> , 2010, 132, 014501.	3.0	41
11	Signatures of conical intersections in two-dimensional electronic spectra. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 2014, 47, 124019.	1.5	32
12	Self-Analysis of Coherent Oscillations in Time-Resolved Optical Signals. <i>Journal of Physical Chemistry A</i> , 2014, 118, 10259-10267.	2.5	30
13	Manipulating electronic couplings and nonadiabatic nuclear dynamics with strong laser pulses. <i>Journal of Chemical Physics</i> , 2009, 131, 124505.	3.0	27
14	Coherent vibrational dynamics during ultrafast photoinduced electron-transfer reactions: quantum dynamical simulations within multilevel Redfield theory. <i>Chemical Physics Letters</i> , 2004, 384, 157-164.	2.6	24
15	Quantum dynamical simulations of ultrafast photoinduced electron-transfer processes. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2004, 166, 19-31.	3.9	22
16	Analysis of vibrational coherences in homodyne and two-dimensional heterodyne photon-echo spectra of Nile Blue. <i>Chemical Physics</i> , 2007, 341, 113-122.	1.9	22
17	Efficient calculation of the polarization induced by N coherent laser pulses. <i>Journal of Chemical Physics</i> , 2009, 131, 194103.	3.0	22
18	Strong and Long Makes Short: Strong-Pump Strong-Probe Spectroscopy. <i>Journal of Physical Chemistry Letters</i> , 2011, 2, 114-119.	4.6	22

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19	Bath-induced correlations and relaxation of vibronic dimers. <i>Journal of Chemical Physics</i> , 2012, 136, 034507.	3.0	22
20	Strong-pump strong-probe spectroscopy: effects of higher excited electronic states. <i>Physical Chemistry Chemical Physics</i> , 2013, 15, 8119.	2.8	22
21	Two-dimensional photon-echo spectroscopy at a conical intersection: A two-mode pyrazine model with dissipation. <i>Chemical Physics</i> , 2016, 481, 206-217.	1.9	22
22	Exact quantum master equation for a molecular aggregate coupled to a harmonic bath. <i>Physical Review E</i> , 2011, 84, 041139.	2.1	20
23	Oscillations in two-dimensional photon-echo signals of excitonic and vibronic systems: Stick-spectrum analysis and its computational verification. <i>Journal of Chemical Physics</i> , 2014, 140, 034314.	3.0	20
24	Optical N -Wave-Mixing Spectroscopy with Strong and Temporally Well-Separated Pulses: The Doorway Window Representation. <i>Journal of Physical Chemistry B</i> , 2011, 115, 5648-5658.	2.6	19
25	Towards microscopic assignment of oscillative signatures in two-dimensional electronic photon-echo signals of vibronic oligomers: A vibronic dimer model. <i>Journal of Chemical Physics</i> , 2013, 139, 144304.	3.0	13
26	Detection of dark states in two-dimensional electronic photon-echo signals via ground-state coherence. <i>Journal of Chemical Physics</i> , 2015, 142, 212452.	3.0	9
27	Quantum dynamics of multi-dimensional rhodopsin photoisomerization models: Approximate versus accurate treatment of the secondary modes. <i>Chemical Physics</i> , 2018, 515, 164-176.	1.9	7
28	Vibrational Coherence Reveals the Role of Dark Multiexciton States in Ultrafast Singlet Exciton Fission. , 2014, , .		2
29	Vibrational Coherence Reveals the Role of Dark Multiexciton States in Ultrafast Singlet Exciton Fission. <i>Springer Proceedings in Physics</i> , 2015, , 226-229.	0.2	1
30	Beyond Third-Order Response: Strong-Pulse and N -Wave-Mixing Optical Spectroscopies. , 2011, , .		0
31	Accurate Simulations of Two-Dimensional Photon-Echo Signals: What Have We Learnt?. , 2011, , .		0