

Alexey D Kondorskiy

List of Publications by Year in descending order

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35
papers

298
citations

840728

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888047

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g-index

37
all docs

37
docs citations

37
times ranked

202
citing authors

#	ARTICLE	IF	CITATIONS
1	Semiclassical theory of electronically nonadiabatic chemical dynamics: Incorporation of the Zhu-Nakamura theory into the frozen Gaussian propagation method. Journal of Chemical Physics, 2004, 120, 8937-8954.	3.0	38
2	Laser control of electronic transitions of wave packet by using quadratically chirped pulses. Journal of Chemical Physics, 2005, 122, 084112.	3.0	22
3	Controlling the angular distribution of atomic photoelectrons in the region of laser-induced continuum structure in the femtosecond time domain. Journal of Physics B: Atomic, Molecular and Optical Physics, 2006, 39, 4659-4671.	1.5	21
4	Nonadiabatic calculations of ultraviolet absorption cross section of sulfur monoxide: Isotopic effects on the photodissociation reaction. Journal of Chemical Physics, 2014, 140, 044319.	3.0	20
5	Semiclassical guided optimal control of molecular dynamics. Physical Review A, 2005, 72, .	2.5	19
6	Light absorption and plasmon-exciton interaction in three-layer nanorods with a gold core and outer shell composed of molecular J- and H-aggregates of dyes. Quantum Electronics, 2015, 45, 1153-1160.	1.0	18
7	Photodissociation of H ₂ ⁺ and HD ⁺ in an intense laser field. Physical Review A, 2002, 66, .	2.5	17
8	Absorption and Scattering of Light by Silver and Gold Nanodisks and Nanoprisms. Journal of Russian Laser Research, 2018, 39, 56-66.	0.6	14
9	Absorption of Light by Hybrid Metalorganic Nanostructures of Elongated Shape. Journal of Russian Laser Research, 2015, 36, 175-192.	0.6	13
10	Control of Chemical Dynamics by Lasers: Theoretical Considerations. Journal of Physical Chemistry A, 2010, 114, 6171-6187.	2.5	12
11	Photochemical dynamics of indolylmaleimide derivatives. Physical Chemistry Chemical Physics, 2012, 14, 11546.	2.8	11
12	Spectral-band replication phenomenon in a single pair of hybrid metal-organic nanospheres and nanodisks caused by plexcitonic coupling. Optics Express, 2019, 27, 11783.	3.4	11
13	Dynamics of interactions of short laser pulses with atoms: role of close-coupling effects. Journal of Physics B: Atomic, Molecular and Optical Physics, 2001, 34, L663-L668.	1.5	10
14	SEMICLASSICAL FORMULATION OF OPTIMAL CONTROL THEORY. Journal of Theoretical and Computational Chemistry, 2005, 04, 75-87.	1.8	10
15	Semiclassical guided optimal control of molecular processes of many degrees of freedom. Physical Review A, 2008, 77, .	2.5	10
16	Electronically nonadiabatic wave packet propagation using frozen Gaussian scattering. Journal of Chemical Physics, 2015, 143, 114103.	3.0	8
17	Effects of near-field electromagnetic coupling in dimers of nanoparticles with a silver core and a J-aggregate dye shell. Quantum Electronics, 2018, 48, 1035-1042.	1.0	8
18	Extinction Spectra of Bilayer Organometallic Nanoplatelets. Bulletin of the Lebedev Physics Institute, 2019, 46, 390-394.	0.6	8

#	ARTICLE	IF	CITATIONS
19	Theoretical study of electronic properties and isotope effects in the UV absorption spectrum of disulfur. <i>Chemical Physics</i> , 2019, 516, 108-115.	1.9	5
20	SEMICLASSICAL FROZEN GAUSSIAN PROPAGATION METHOD FOR ELECTRONICALLY NONADIABATIC CHEMICAL DYNAMICS: MÄLLER OPERATOR FORMULATION AND INCORPORATION OF THE ZHU-NAKAMURA THEORY. <i>Journal of Theoretical and Computational Chemistry</i> , 2005, 04, 89-102.	1.8	4
21	Comparative Analysis of Optical Spectra of Plasmonic Nanoparticles of Different Geometrical Shapes. <i>Bulletin of the Lebedev Physics Institute</i> , 2020, 47, 276-279.	0.6	4
22	Ionization of atoms by short laser pulses: resonance and interference effects. , 2003, 5228, 394.		3
23	Size and Shape Effects in Optical Spectra of Silver and Gold Nanoparticles. <i>Journal of Russian Laser Research</i> , 2021, 42, 697-712.	0.6	3
24	Spectral features of electromagnetic field propagation along a nanoparticle chain. <i>Bulletin of the Lebedev Physics Institute</i> , 2013, 40, 122-125.	0.6	2
25	Light Absorption and Scattering Spectra of Gold Nanospheres Coated with TDBC J-Aggregates. <i>Bulletin of the Lebedev Physics Institute</i> , 2020, 47, 280-284.	0.6	2
26	Ionization of Atoms and Ions by Strong Electromagnetic Fields: Electron Redistribution in Continuum. <i>Physica Scripta</i> , 1999, T80, 553.	2.5	1
27	Effect of sizes of "bowtie" composite nanoantenna elements on above-threshold photoemission spectra. <i>Bulletin of the Lebedev Physics Institute</i> , 2017, 44, 192-197.	0.6	1
28	Particle Shape Effects in the Extinction Spectra of Gold and Silver Nanoparticles. <i>Bulletin of the Russian Academy of Sciences: Physics</i> , 2018, 82, 435-443.	0.6	1
29	Threshold Effect in the Photoemission of Composite Nanoantennas Irradiated by Intense Femtosecond Laser Pulses. <i>JETP Letters</i> , 2020, 112, 699-704.	1.4	1
30	Influence of quantum transitions in the continuum on ionization of atoms in strong fields. <i>Journal of Experimental and Theoretical Physics</i> , 1999, 88, 658-665.	0.9	0
31	Accurate treatment of photodissociation of H ₂ in strong laser field. , 2003, , .		0
32	Selective excitation of metastable atomic states by femto- and attosecond laser pulses. <i>Physical Review A</i> , 2006, 74, .	2.5	0
33	The Nonadiabatic Trajectory. , 2017, , .		0
34	Effects of Plasmon-Exciton Interaction in the Spectra of Light Absorption by Hybrid Systems Consisting of Two- and Three-Layer Organometallic Nanoparticles. <i>Bulletin of the Russian Academy of Sciences: Physics</i> , 2018, 82, 453-458.	0.6	0
35	SELECTIVE EXCITATION OF METASTABLE ATOMIC STATES BY FEMTO- AND ATTOSECOND LASER PULSES. , 2006, , .		0