

Di Song

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/6535879/publications.pdf>

Version: 2024-02-01

44
papers

655
citations

623734

14
h-index

580821

25
g-index

44
all docs

44
docs citations

44
times ranked

852
citing authors

#	ARTICLE	IF	CITATIONS
1	Bridge-Length- and Solvent-Dependent Charge Separation and Recombination Processes in Donor-“Bridge”-Acceptor Molecules. <i>Journal of Physical Chemistry B</i> , 2021, 125, 13279-13290.	2.6	5
2	Deprotonation of Guanine Radical Cation $G^{\bullet+}$ Mediated by the Protonated Water Cluster. <i>Journal of Physical Chemistry A</i> , 2020, 124, 6076-6083.	2.5	14
3	Sulfur-centered hemi-bond radicals as active intermediates in S-DNA phosphorothioate oxidation. <i>Nucleic Acids Research</i> , 2019, 47, 11514-11526.	14.5	12
4	Preferential Binding of π -Ligand Porphyrin Targeting 5 ϵ -5 ϵ Stacking Interface of Human Telomeric RNA G-Quadruplex Dimer. <i>Journal of Physical Chemistry Letters</i> , 2019, 10, 2143-2150.	4.6	10
5	Monitoring the Structure-Dependent Reaction Pathways of Guanine Radical Cations in Triplex DNA: Deprotonation Versus Hydration. <i>Journal of Physical Chemistry B</i> , 2019, 123, 2853-2863.	2.6	10
6	Degradation of Cytosine Radical Cations in 2 ϵ -Deoxycytidine and in i-Motif DNA: Hydrogen-Bonding Guided Pathways. <i>Journal of the American Chemical Society</i> , 2019, 141, 1970-1979.	13.7	22
7	Binding Interactions of Zinc Cationic Porphyrin with Duplex DNA: From B-DNA to Z-DNA. <i>International Journal of Molecular Sciences</i> , 2018, 19, 1071.	4.1	10
8	Deprotonation of Guanine Radical Cation in G-Quadruplex: A Combined Experimental and Theoretical Study. <i>Acta Chimica Sinica</i> , 2018, 76, 475.	1.4	8
9	Photochemical reaction dynamics studies of nucleic acids. <i>Scientia Sinica Chimica</i> , 2018, 48, 174-185.	0.4	0
10	Photoinduced C α -I bond homolysis of 5-iodouracil: A singlet predissociation pathway. <i>Journal of Chemical Physics</i> , 2017, 146, 025103.	3.0	5
11	Porphyrin Bound to π -Motifs: Intercalation versus External Groove Binding. <i>Chemistry - an Asian Journal</i> , 2017, 12, 1578-1586.	3.3	19
12	Interaction between G-Quadruplex and Zinc Cationic Porphyrin: The Role of the Axial Water. <i>Scientific Reports</i> , 2017, 7, 10951.	3.3	18
13	Experimental and Theoretical Study of Deprotonation of DNA Adenine Cation Radical. <i>Chinese Journal of Chemical Physics</i> , 2017, 30, 664-670.	1.3	7
14	Capturing the radical ion-pair intermediate in DNA guanine oxidation. <i>Science Advances</i> , 2017, 3, e1700171.	10.3	18
15	Gold Nanoparticles Modify the Photophysical and Photochemical Properties of 6-Thioguanine: Preventing DNA Oxidative Damage. <i>Journal of Physical Chemistry C</i> , 2016, 120, 14410-14415.	3.1	6
16	Fluorescence Products from Terrylenediimide with Singlet Oxygen: Red, Green, and Near-Infrared Emission. <i>Journal of Physical Chemistry A</i> , 2016, 120, 5016-5022.	2.5	0
17	Direct Observation of Guanine Radical Cation Deprotonation in G-Quadruplex DNA. <i>Journal of the American Chemical Society</i> , 2015, 137, 259-266.	13.7	61
18	Communication: Determining the structure of the N ₂ Ar van der Waals complex with laser-based channel-selected Coulomb explosion. <i>Journal of Chemical Physics</i> , 2014, 140, 141101.	3.0	29

#	ARTICLE	IF	CITATIONS
19	Photophysical and Photochemical Properties of 4-Thiouracil: Time-Resolved IR Spectroscopy and DFT Studies. <i>Journal of Physical Chemistry B</i> , 2014, 118, 5864-5872.	2.6	40
20	Physical Quenching in Competition with the Formation of Cyclobutane Pyrimidine Dimers in DNA Photolesion. <i>Journal of Physical Chemistry A</i> , 2014, 118, 9105-9112.	2.5	6
21	Explicit Differentiation of G-Quadruplex/Ligand Interactions: Triplet Excited States as Sensitive Reporters. <i>Journal of Physical Chemistry Letters</i> , 2014, 5, 2259-2266.	4.6	13
22	Nonadiabatic reaction mechanisms of the O(3P) with cyclopentene. <i>Journal of Molecular Graphics and Modelling</i> , 2014, 51, 184-192.	2.4	4
23	Nonsequential and Sequential Fragmentation of CO_2 . <i>Journal of Physical Chemistry A</i> , 2013, 117, 10260-10266.	7.8	91
24	Anharmonic Rice-Ramsperger-Kassel-Marcus (RRKM) and product branching ratio calculations for the partially deuterated protonated water dimers: Dissociation and isomerization. <i>Journal of Chemical Physics</i> , 2013, 138, 104301.	3.0	1
25	Mechanism of the Deamination Reaction of Isoguanine: A Theoretical Investigation. <i>Journal of Physical Chemistry A</i> , 2013, 117, 5715-5725.	2.5	9
26	Aggregation-Induced Enhancement Effect of Gold Nanoparticles on Triplet Excited State. <i>Journal of Physical Chemistry C</i> , 2013, 117, 27088-27095.	3.1	14
27	Consecutive Reaction Mechanism for the Formation of Spore Photoproduct in DNA Photolesion. <i>Journal of Physical Chemistry B</i> , 2012, 116, 11117-11123.	2.6	11
28	Competitive reaction pathways of $\text{C}_2\text{Cl}_3 + \text{NO}$ via four-membered ring and bicyclic ring intermediates. <i>Physical Chemistry Chemical Physics</i> , 2011, 13, 1990-2000.	2.8	1
29	[2 + 2] Photocycloaddition Reaction Dynamics of Triplet Pyrimidines. <i>Journal of Physical Chemistry A</i> , 2011, 115, 5335-5345.	2.5	13
30	Neutral dissociation of hydrogen molecules in a strong laser field through superexcited states. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 2011, 44, 085601.	1.5	5
31	Neutral dissociation of simple molecules in strong laser field. , 2011, , .		0
32	Tunneling ionization of carbon dioxide from lower-lying orbitals. <i>Physical Review A</i> , 2011, 83, .	2.5	34
33	Neutral Dissociation of Superexcited Nitric Oxide Induced by Intense Laser Fields. <i>Chinese Journal of Chemical Physics</i> , 2010, 23, 252-254.	1.3	5
34	Double Ionization of Nitrogen from Multiple Orbitals. <i>Journal of Physical Chemistry A</i> , 2010, 114, 6751-6756.	2.5	30
35	Ion-Pair Dissociation Dynamics of SO_2 in the Photon Energy Range 14.87~15.15 eV. <i>Journal of Physical Chemistry A</i> , 2010, 114, 9999-10004.	2.5	1
36	Neutral Dissociation of Superexcited Oxygen Molecules in Intense Laser Fields. <i>Journal of Physical Chemistry A</i> , 2010, 114, 3087-3095.	2.5	9

#	ARTICLE	IF	CITATIONS
37	Anharmonic RRKM Calculation for the Dissociation of $(\text{H}_2\text{O})_2^+$ and Its Deuterated Species $(\text{D}_2\text{O})_2^+$. Journal of Physical Chemistry A, 2010, 114, 10217-10224.	2.5	9
38	Dissociation of molecules in intense laser beam. Laser Physics, 2009, 19, 1640-1650.	1.2	4
39	Ion-Pair Dissociation Dynamics of HCl: Fast Predissociation. Journal of Physical Chemistry A, 2009, 113, 4919-4922.	2.5	6
40	Highly multiphoton excitation of molecule by intense laser field. , 2009, , .		0
41	Neutral dissociation of methane in the ultra-fast laser pulse. Science Bulletin, 2008, 53, 1946-1950.	9.0	4
42	Direct observation of super-excited states in methane created by a femtosecond intense laser field. Journal of Physics B: Atomic, Molecular and Optical Physics, 2008, 41, 225601.	1.5	25
43	Pulse width effect on the dissociation probability of CH_4^+ in the intense femtosecond laser field. Science Bulletin, 2006, 51, 1269-1272.	1.7	4
44	Explosive photodissociation of methane induced by ultrafast intense laser. Journal of Chemical Physics, 2006, 125, 133320.	3.0	62