

Di Song

List of Publications by Year in descending order

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44
papers

655
citations

623734

14
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580821

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44
all docs

44
docs citations

44
times ranked

852
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|--|------|-----------|
| 1 | Concurrent and Sequential Fragmentation of CO_2 in Intense Laser Fields. <i>Physical Review Letters</i> , 2013, 110, 103601. | 7.8 | 91 |
| 2 | Explosive photodissociation of methane induced by ultrafast intense laser. <i>Journal of Chemical Physics</i> , 2006, 125, 133320. | 3.0 | 62 |
| 3 | 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 |
| 4 | 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 |
| 5 | Tunneling ionization of carbon dioxide from lower-lying orbitals. <i>Physical Review A</i> , 2011, 83, . | 2.5 | 34 |
| 6 | Double Ionization of Nitrogen from Multiple Orbitals. <i>Journal of Physical Chemistry A</i> , 2010, 114, 6751-6756. | 2.5 | 30 |
| 7 | Communication: Determining the structure of the N_2Ar van der Waals complex with laser-based channel-selected Coulomb explosion. <i>Journal of Chemical Physics</i> , 2014, 140, 141101. | 3.0 | 29 |
| 8 | Direct observation of super-excited states in methane created by a femtosecond intense laser field. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 2008, 41, 225601. | 1.5 | 25 |
| 9 | Degradation of Cytosine Radical Cations in $2\text{-}\alpha\text{-Deoxy}$ cytidine and in i-Motif DNA: Hydrogen-Bonding Guided Pathways. <i>Journal of the American Chemical Society</i> , 2019, 141, 1970-1979. | 13.7 | 22 |
| 10 | Porphyrim Bound to i-Motif : Intercalation versus External Groove Binding. <i>Chemistry - an Asian Journal</i> , 2017, 12, 1578-1586. | 3.3 | 19 |
| 11 | Interaction between G-Quadruplex and Zinc Cationic Porphyrin: The Role of the Axial Water. <i>Scientific Reports</i> , 2017, 7, 10951. | 3.3 | 18 |
| 12 | Capturing the radical ion-pair intermediate in DNA guanine oxidation. <i>Science Advances</i> , 2017, 3, e1700171. | 10.3 | 18 |
| 13 | 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 |
| 14 | Deprotonation of Guanine Radical Cation $\text{G}^{\cdot+}$ Mediated by the Protonated Water Cluster. <i>Journal of Physical Chemistry A</i> , 2020, 124, 6076-6083. | 2.5 | 14 |
| 15 | [2 + 2] Photocycloaddition Reaction Dynamics of Triplet Pyrimidines. <i>Journal of Physical Chemistry A</i> , 2011, 115, 5335-5345. | 2.5 | 13 |
| 16 | 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 |
| 17 | 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 |
| 18 | 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 |

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|----|---|-----|-----------|
| 19 | 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 |
| 20 | Preferential Binding of π -Ligand Porphyrin Targeting π - π Stacking Interface of Human Telomeric RNA G-Quadruplex Dimer. <i>Journal of Physical Chemistry Letters</i> , 2019, 10, 2143-2150. | 4.6 | 10 |
| 21 | 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 |
| 22 | Neutral Dissociation of Superexcited Oxygen Molecules in Intense Laser Fields. <i>Journal of Physical Chemistry A</i> , 2010, 114, 3087-3095. | 2.5 | 9 |
| 23 | Anharmonic RRKM Calculation for the Dissociation of $(\text{H}_2\text{O})_2^+$ and Its Deuterated Species $(\text{D}_2\text{O})_2^+$. <i>Journal of Physical Chemistry A</i> , 2010, 114, 10217-10224. | 2.5 | 9 |
| 24 | Mechanism of the Deamination Reaction of Isoguanine: A Theoretical Investigation. <i>Journal of Physical Chemistry A</i> , 2013, 117, 5715-5725. | 2.5 | 9 |
| 25 | 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 |
| 26 | 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 |
| 27 | Ion-Pair Dissociation Dynamics of HCl: Fast Predissociation. <i>Journal of Physical Chemistry A</i> , 2009, 113, 4919-4922. | 2.5 | 6 |
| 28 | 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 |
| 29 | 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 |
| 30 | 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 |
| 31 | 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 |
| 32 | Photoinduced C-I bond homolysis of 5-iodouracil: A singlet predissociation pathway. <i>Journal of Chemical Physics</i> , 2017, 146, 025103. | 3.0 | 5 |
| 33 | 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 |
| 34 | Pulse width effect on the dissociation probability of CH_4^+ in the intense femtosecond laser field. <i>Science Bulletin</i> , 2006, 51, 1269-1272. | 1.7 | 4 |
| 35 | Neutral dissociation of methane in the ultra-fast laser pulse. <i>Science Bulletin</i> , 2008, 53, 1946-1950. | 9.0 | 4 |
| 36 | Dissociation of molecules in intense laser beam. <i>Laser Physics</i> , 2009, 19, 1640-1650. | 1.2 | 4 |

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 37 | Nonadiabatic reaction mechanisms of the O(3P) with cyclopentene. Journal of Molecular Graphics and Modelling, 2014, 51, 184-192. | 2.4 | 4 |
| 38 | Ion-Pair Dissociation Dynamics of SO ₂ in the Photon Energy Range 14.87~15.15 eV. Journal of Physical Chemistry A, 2010, 114, 9999-10004. | 2.5 | 1 |
| 39 | Competitive reaction pathways of C ₂ Cl ₃ + NO via four-membered ring and bicyclic ring intermediates. Physical Chemistry Chemical Physics, 2011, 13, 1990-2000. | 2.8 | 1 |
| 40 | Anharmonic Rice-Ramsperger-Kassel-Marcus (RRKM) and product branching ratio calculations for the partially deuterated protonated water dimers: Dissociation and isomerization. Journal of Chemical Physics, 2013, 138, 104301. | 3.0 | 1 |
| 41 | Highly multiphoton excitation of molecule by intense laser field. , 2009, , . | | 0 |
| 42 | Neutral dissociation of simple molecules in strong laser field. , 2011, , . | | 0 |
| 43 | Fluorescence Products from Terrylenediimide with Singlet Oxygen: Red, Green, and Near-Infrared Emission. Journal of Physical Chemistry A, 2016, 120, 5016-5022. | 2.5 | 0 |
| 44 | Photochemical reaction dynamics studies of nucleic acids. Scientia Sinica Chimica, 2018, 48, 174-185. | 0.4 | 0 |