

Rajagopala Reddy Seelam

List of Publications by Year in descending order

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Version: 2024-02-01

18
papers

548
citations

932766

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h-index

839053

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18
all docs

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docs citations

18
times ranked

669
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|---|------|-----------|
| 1 | Unified model for singlet fission within a non-conjugated covalent pentacene dimer. Nature Communications, 2017, 8, 15171. | 5.8 | 176 |
| 2 | Solution-based intramolecular singlet fission in cross-conjugated pentacene dimers. Nanoscale, 2016, 8, 10113-10123. | 2.8 | 108 |
| 3 | Evidence for Charge-Transfer Mediation in the Primary Events of Singlet Fission in a Weakly Coupled Pentacene Dimer. Chem, 2018, 4, 1092-1111. | 5.8 | 105 |
| 4 | Intramolecular Singlet Fission: Insights from Quantum Dynamical Simulations. Journal of Physical Chemistry Letters, 2018, 9, 5979-5986. | 2.1 | 31 |
| 5 | Photophysics of fluorinated benzene. III. Hexafluorobenzene. Journal of Chemical Physics, 2012, 137, 054311. | 1.2 | 22 |
| 6 | Intermolecular Singlet Fission in Unsymmetrical Derivatives of Pentacene in Solution. Advanced Energy Materials, 2019, 9, 1802221. | 10.2 | 20 |
| 7 | Quantum dynamical simulation of intramolecular singlet fission in covalently coupled pentacene dimers. Journal of Chemical Physics, 2019, 151, 044307. | 1.2 | 14 |
| 8 | Theoretical study of photodetachment processes of anionic boron clusters. II. Dynamics. Journal of Chemical Physics, 2012, 136, 024323. | 1.2 | 13 |
| 9 | Theoretical study of photodetachment processes of anionic boron clusters. I. Structure. Journal of Chemical Physics, 2012, 136, 024322. | 1.2 | 11 |
| 10 | Theoretical study of photodetachment processes of anionic boron cluster. III. $\{m B\}_7^-$. Journal of Chemical Physics, 2014, 140, 084311. | 1.2 | 10 |
| 11 | On the Jahn-Teller effect in the $\{m B\}_7^-$ electronic ground state of CH_3F^- . Chemical Physics, 2017, 482, 39-51. | 0.9 | 9 |
| 12 | Mechanistic Investigations for the Formation of Active Hexafluoroisopropyl Benzoates Involving Azaoxyallyl Cation and Anthranils. Asian Journal of Organic Chemistry, 2020, 9, 2136-2143. | 1.3 | 8 |
| 13 | Parallel versus Twisted Pentacenes: Conformational Impact on Singlet Fission. Journal of Physical Chemistry Letters, 2022, 13, 5094-5100. | 2.1 | 7 |
| 14 | Vibronic Coupling in the $X^1\sigma_g^2$ Band System of Diacetylene Radical Cation. Journal of Physical Chemistry A, 2016, 120, 7881-7889. | 1.1 | 4 |
| 15 | Theoretical study of intramolecular singlet fission in xanthene-bonded pentacene dimers. Chemical Physics, 2018, 515, 628-634. | 0.9 | 3 |
| 16 | Electronic spectroscopy of carbon chains (C_{2n+1} , $n = 7-10$) of astrophysical importance. I. Quantum chemistry. Journal of Chemical Physics, 2019, 151, . | 1.2 | 3 |
| 17 | Localization dynamics in a centrally coupled system. Physical Review B, 2021, 103, . | 1.1 | 3 |
| 18 | Electronic spectroscopy of carbon chains (C_{2n+1} , $n = 7-10$) of astrophysical importance. II. Quantum dynamics. Journal of Chemical Physics, 2019, 151, 054304. | 1.2 | 1 |