

Johan F Triana

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/2179739/publications.pdf>

Version: 2024-02-01

12
papers

240
citations

1307594

7
h-index

1372567

10
g-index

13
all docs

13
docs citations

13
times ranked

179
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|---|------|-----------|
| 1 | Semi-empirical quantum optics for mid-infrared molecular nanophotonics. <i>Journal of Chemical Physics</i> , 2022, 156, 124110. | 3.0 | 8 |
| 2 | Ultrafast CO ₂ photodissociation in the energy region of the lowest Rydberg series. <i>Physical Chemistry Chemical Physics</i> , 2022, 24, 14072-14084. | 2.8 | 3 |
| 3 | Agar Biopolymer Films for Biodegradable Packaging: A Reference Dataset for Exploring the Limits of Mechanical Performance. <i>Materials</i> , 2022, 15, 3954. | 2.9 | 10 |
| 4 | Polar diatomic molecules in optical cavities: Photon scaling, rotational effects, and comparison with classical fields. <i>Journal of Chemical Physics</i> , 2021, 154, 094120. | 3.0 | 10 |
| 5 | Excited-state vibration-polariton transitions and dynamics in nitroprusside. <i>Nature Communications</i> , 2021, 12, 214. | 12.8 | 51 |
| 6 | The shape of the electric dipole function determines the sub-picosecond dynamics of anharmonic vibrational polaritons. <i>Journal of Chemical Physics</i> , 2020, 152, 234111. | 3.0 | 31 |
| 7 | Influence of non-Markovian dynamics in equilibrium uncertainty-relations. <i>Journal of Chemical Physics</i> , 2019, 150, 034105. | 3.0 | 10 |
| 8 | Revealing the Presence of Potential Crossings in Diatomics Induced by Quantum Cavity Radiation. <i>Physical Review Letters</i> , 2019, 122, 063603. | 7.8 | 35 |
| 9 | Entangled Photonic-Nuclear Molecular Dynamics of LiF in Quantum Optical Cavities. <i>Journal of Physical Chemistry A</i> , 2018, 122, 2266-2278. | 2.5 | 42 |
| 10 | Non-Markovian optimal sideband cooling. <i>AIP Conference Proceedings</i> , 2018, , . | 0.4 | 0 |
| 11 | Ultrafast Optimal Sideband Cooling under Non-Markovian Evolution. <i>Physical Review Letters</i> , 2016, 116, 183602. | 7.8 | 33 |
| 12 | Ultrafast modulation of vibrational polaritons for controlling the quantum field statistics at mid-infrared frequencies. <i>New Journal of Physics</i> , 0, , . | 2.9 | 4 |