

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