

Alejandro Gutiérrez Quintanilla

List of Publications by Year in descending order

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Version: 2024-02-01

17
papers

78
citations

1684188

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h-index

1474206

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g-index

17
all docs

17
docs citations

17
times ranked

108
citing authors

#	ARTICLE	IF	CITATIONS
1	Double deuterated acetylacetone in neon matrices: infrared spectroscopy, photoreactivity and the tunneling process. <i>Physical Chemistry Chemical Physics</i> , 2016, 18, 20713-20725.	2.8	13
2	iCOM formation from radical chemistry: a mechanistic study from cryogenic matrix coupled with IR and EPR spectroscopies. <i>Monthly Notices of the Royal Astronomical Society</i> , 2021, 506, 3734-3750.	4.4	13
3	2-Chloromalonaldehyde, a model system of resonance-assisted hydrogen bonding: vibrational investigation. <i>Physical Chemistry Chemical Physics</i> , 2018, 20, 12888-12897.	2.8	10
4	Large amplitude motions within molecules trapped in solid parahydrogen. <i>Faraday Discussions</i> , 2018, 212, 499-515.	3.2	8
5	Detection of glyceraldehyde and glycerol in VUV processed interstellar ice analogues containing formaldehyde: a general formation route for sugars and polyols. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020, 496, 5292-5307.	4.4	8
6	A Helium NanoDroplet Isolation (HENDI) investigation of the weak hydrogen bonding in the propyne dimer (CH ₃ CCH) ₂ . <i>Physical Chemistry Chemical Physics</i> , 2018, 20, 28658-28666.	2.8	4
7	Matrix Isolation Spectroscopy and Nuclear Spin Conversion of Propyne Suspended in Solid Parahydrogen. <i>Journal of Physical Chemistry A</i> , 2020, 124, 4471-4483.	2.5	4
8	Intramolecular hydrogen tunneling in 2-chloromalonaldehyde trapped in solid para-hydrogen. <i>Physical Chemistry Chemical Physics</i> , 2020, 22, 6115-6121.	2.8	4
9	FTIR study of acetylacetone, D2-acetylacetone and hexafluoroacetylacetone "water complexes in argon and nitrogen matrices. <i>Chemija</i> , 2018, 29, .	0.2	4
10	Selective photoisomerisation of 2-chloromalonaldehyde. <i>Journal of Chemical Physics</i> , 2019, 150, 034305.	3.0	3
11	W(CO) ₆ in cryogenic solids: A comparative study of vibrational properties. <i>Journal of Luminescence</i> , 2017, 191, 78-86.	3.1	2
12	Hidden Isomer of Trifluoroacetylacetone Revealed by Matrix Isolation Infrared and Raman Spectroscopy. <i>Journal of Physical Chemistry A</i> , 2021, 125, 2249-2266.	2.5	2
13	Dynamics of NO(A ² Σ ⁺ + ² Π) photoexcitation in rare gas and H ₂ solid matrices. <i>European Physical Journal D</i> , 2018, 72, 1.	1.3	1
14	Influence of environment and association with water, to internal structure of trifluoroacetylacetone. Matrix isolation FTIR study. <i>Low Temperature Physics</i> , 2019, 45, 615-626.	0.6	1
15	Spectroscopy of methylcyanodiacetylene revisited. Solid parahydrogen and solid neon matrix studies. <i>Journal of Molecular Structure</i> , 2020, 1218, 128437.	3.6	1
16	Propyne-water complexes hosted in helium droplets. <i>Low Temperature Physics</i> , 2019, 45, 634-638.	0.6	0
17	Theoretical study of "trapping sites" in cryogenic rare gas solids doped with ¹² C-dicarbonyl molecules. <i>Low Temperature Physics</i> , 2019, 45, 317-324.	0.6	0