

Maxence Lepers

List of Publications by Year in descending order

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Version: 2024-02-01

21
papers

417
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840776

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22
all docs

22
docs citations

22
times ranked

379
citing authors

#	ARTICLE	IF	CITATIONS
1	Optical shielding of destructive chemical reactions between ultracold ground-state NaRb molecules. , 2021, , .		0
2	Observation of a narrow inner-shell orbital transition in atomic erbium at 1299Ånm. Physical Review Research, 2021, 3, .	3.6	8
3	Optical Shielding of Destructive Chemical Reactions between Ultracold Ground-State NaRb Molecules. Physical Review Letters, 2020, 125, 153202.	7.8	25
4	Quantum dynamics of O^{17} in collision with ortho- and para- O_2	2.5	3
5	Spontaneous emission and energy shifts of a Rydberg rubidium atom close to an optical nanofiber. Physical Review A, 2020, 101, .	2.5	23
6	Quantum mechanical study of the high-temperature $\text{H} + \text{HD} \rightarrow \text{D} + \text{H}_2$ reaction for the primordial universe chemistry. Monthly Notices of the Royal Astronomical Society, 2019, 488, 4732-4739.	4.4	5
7	Purely long-range polar molecules composed of identical lanthanide atoms. Physical Review A, 2019, 100, .	2.5	3
8	Spontaneous emission of a sodium Rydberg atom close to an optical nanofibre. Journal of Physics B: Atomic, Molecular and Optical Physics, 2019, 52, 045503.	1.5	10
9	Anisotropic polarizability of erbium atoms. Physical Review A, 2018, 97, .	2.5	29
10	Anisotropic light shift and magic polarization of the intercombination line of dysprosium atoms in a far-detuned dipole trap. Physical Review A, 2018, 98, .	2.5	11
11	Ultracold Rare-Earth Magnetic Atoms with an Electric Dipole Moment. Physical Review Letters, 2018, 121, 063201.	7.8	8
12	Optical trapping of ultracold dysprosium atoms: transition probabilities, dynamic dipole polarizabilities and van der Waals C_6 coefficients. Journal of Physics B: Atomic, Molecular and Optical Physics, 2017, 50, 014005.	1.5	28
13	Dynamic dipole polarizabilities of heteronuclear alkali dimers: optical response, trapping and control of ultracold molecules. International Reviews in Physical Chemistry, 2017, 36, 709-750.	2.3	33
14	Anisotropic optical trapping as a manifestation of the complex electronic structure of ultracold lanthanide atoms: The example of holmium. Physical Review A, 2017, 95, .	2.5	22
15	Proposal for laser cooling of rare-earth ions. Physical Review A, 2016, 93, .	2.5	10
16	Four-body long-range interactions between ultracold weakly-bound diatomic molecules. Journal of Physics B: Atomic, Molecular and Optical Physics, 2016, 49, 014004.	1.5	4
17	Ultracold Dipolar Molecules Composed of Strongly Magnetic Atoms. Physical Review Letters, 2015, 115, 203201.	7.8	76
18	Long-range interactions between polar alkali ground-state molecules in arbitrary vibrational levels. Journal of Chemical Physics, 2015, 142, 214303.	3.0	19

#	ARTICLE	IF	CITATIONS
19	Anisotropic optical trapping of ultracold erbium atoms. <i>Physical Review A</i> , 2014, 89, .	2.5	35
20	Long-range interactions between polar alkali-metal diatoms in external electric fields. <i>Physical Review A</i> , 2013, 88, .	2.5	31
21	Long-range interactions in the ozone molecule: Spectroscopic and dynamical points of view. <i>Journal of Chemical Physics</i> , 2012, 137, 234305.	3.0	31