Cheikh T Bop

List of Publications by Year
in descending order

18	155	1307594 7	1199594 12
papers	citations	h-index	g-index

18	18	18	179
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Size and Shape Constraints of (486958) Arrokoth from Stellar Occultations. Astronomical Journal, 2020, 159, 130.	4.7	25
2	Rotational excitation of³⁶ArH⁺by He at low temperature. Monthly Notices of the Royal Astronomical Society, 2017, 465, 1137-1143.	4.4	22
3	Isomerism Effects in the Collisional Excitation of Cyanoacetylene by Molecular Hydrogen. ACS Earth and Space Chemistry, 2019, 3, 1151-1157.	2.7	21
4	Collisional rates based on the first potential energy surface of the NeH+ â^'He system. Monthly Notices of the Royal Astronomical Society, 2017, 470, 2911-2917.	4.4	14
5	Rotationally inelastic scattering of O₃â€“Ar: state-to-state rates with the multiconfigurational time dependent Hartree method. Physical Chemistry Chemical Physics, 2020, 22, 1869-1880.	2.8	11
6	Potential energy surface and rate coefficients of protonated cyanogen (HNCCN+) induced by collision with helium (He) at low temperature. Monthly Notices of the Royal Astronomical Society, 2018, 478, 4410-4415.	4.4	10
7	Non-LTE modelling of cyanoacetylene: evidence for isomer-specific excitation. Monthly Notices of the Royal Astronomical Society, 2020, 501, 1911-1919.	4.4	9
8	Cold collisions of SHâ^' with He: Potential energy surface and rate coefficients. Journal of Chemical Physics, 2017, 147, 124301.	3.0	7
9	The excitation of CNCN in the interstellar medium: hyperfine resolved rate coefficients and non-LTE modelling. Monthly Notices of the Royal Astronomical Society, 2021, 503, 5976-5983.	4.4	7
10	Hyperfine excitation of NS+ due to para-H2(jÂ= 0) impact. Monthly Notices of the Royal Astronomical Society, 2019, 487, 5685-5691.	4.4	6
11	State-to-state inelastic rate coefficients of phosphine in collision with He at low to moderate temperature. Monthly Notices of the Royal Astronomical Society, 2020, 499, 1578-1586.	4.4	5
12	Rotational Excitation of the CP(Î§²Î£⁺) Open Shell Molecule Due to Collision with He(¹S). Journal of Physical Chemistry A, 2017, 121, 7854-7860.	2.5	4
13	Cross-sections and rate coefficients for rotational excitation of aluminium hydroxide by helium. Monthly Notices of the Royal Astronomical Society, 2018, 480, 5412-5418.	4.4	4
14	Rotational excitation of NS⁺by H₂ revisited: a new global potential energy surface and rate coefficients. Journal of Chemical Physics, 0, , .	3.0	4
15	Inelastic scattering in isotopologues of O₂â€“Ar: the effects of mass, symmetry, and density of states. Physical Chemistry Chemical Physics, 2021, 23, 5945-5955.	2.8	3
16	Sodium hydride NaH(<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si4.gif") Tj ETQq0 0 0 rgBT /Overlock 10		