Citations for Ion = **He** *, Target =* **H**

Pub. Year	Authors, Title, Journal Citation and Comments	Citation Numb
1909	Taylor, T. S. **'On the Retardation of Alpha Rays by Metals and Gases'** ***Phil. Mag., 18, 604-619 (1909)*** *Comment : S. 7.7 MeV He -> Au, Sn, Pb, Al, H2, Paper, Collodium, Rel. To Air*	**1909-Tayl** 0117
1913	Taylor, T. S. **'The Range and Ionization of the Alpha Particles in Simple Gases'** ***Phil. Mag., 26, 402-410 (1913)*** *Comment : R. 5.3, 5.5 MeV He -> H2, He, O2, Air*	**1913-Tayl** 0118
1920	VonTraubenberg, H. R. **'Uber Eine Methode Zur Direkten Bestimmung der Reichweite von Alpha-Strahlen in Festen Korpern'** ***Z. Physik, 2, 268-276 (1920)*** *Comment : R. 7.7 MeV He -> H2, He, Li, O2, Mg, Al, Ca, Fe, Ni, Au, Zn, Ag, Cd, Sn, Pt, Cu, Tl, Pb.*	**1920-VonT** 0123
1924	Rutherford, E. **'The Capture and Loss of Electrons by Alpha Particles'** ***Phil. Mag., 47, 277 (1924)*** *Comment : S. He (5-7 MeV) -> Air, H, He, Mica*	**1924-Ruth** 1994
1925	Gurney, R. W. **'The Stopping-Power of Gases for Alpha-Particles of Different Velocities'** ***Proc. Roy. Soc., A107, 340-349 (1925)*** *Comment : S. 5.3, 6.1 MeV He -> H2, He, O2, Ne, Ar, Kr, Xe Rel. To Air*	**1925-Gurn** 0061
1926	Meitner, L. Freitag, K. **'Uber Die Alpha-Strahlen Des Thc+C' und Ihre Verhalten Beim Durchgaug Durch Verschiedene Gase'** ***Z. Physik, 37, 481-517 (1926)*** *Comment : R. 5.3 MeV He -> Air, H2, H2O, CH4, N2, O2, CO, CO2, SO, SO2, CH3Br. Tracks In Cloud-Chamber.*	**1926-Meit** 0090
1927	Gibson, G. E. Eyring, H. **'The Ionization and Stopping Power of Various Gases for Alpha Particles from Polonium'** ***Phys. Rev., 30, 553-561 (1927)*** *Comment : S. He (2-7 MeV) -> H, He, N, O, Ne, Ar, CH2. Early stopping paper- values based on differential of range/ionization measurements.*	**1927-Gibs** 1577
1930	Harper, G. I. Salaman, I. **'Measurements on the Ranges of Alpha-Particles'** ***Proc. Roy. Soc., A127, 175-85 (1930)*** *Comment : R. 5.3-7.7 MeV He -> H2, Ne, O2, Air.*	**1930-Harp** 0064
1934	Mano, G. **'Recherches Sur L'Absorption Des Rayons Alpha'** ***Ann. de Physique, 1, 408-531 (1934)*** *Comment : S. 4.2-7.7 MeV He -> H2, He, Ne, Ar, Air*	**1934-Mano** 0085

Pub. Year	Authors, Title, Journal Citation and Comments	Citation Numb
1936	Forster, M. **'Reichweiten von Alpha-Strahlen und Chemische Bindung'** ***Ann. Physik, 27, 373-388 (1936)*** *Comment : R. 5.3 MeV He -> H2, O2, H2O*	**1936-Fors** 0051
1949	Hatfield, T. N. Lockenwitz, A. E. Colby, M. Y. **'The Relative Stopping Power of Gases for Alpha Particles from Polonium'** ***J. Franklin Inst., 247, 133-36 (1949)*** *Comment : S. 5.3 MeV He -> H2, N2, O2, N2O, CO2, H2S, Hydrocarbons*	**1949-Hatf** 0065
1953	Cook, C. J. Jones, E. Jr. Jorgensen, . **'Range-Energy Relations of 10- to 250-keV Protons and Helium Ions in Various Gases'** ***Phys. Rev., 91, 1417-22 (1953)*** *Comment : R. (4-250 keV) H, He -> H2, Ar, Air, N2, CO, CH4, O2 . Ionization Ranges.*	**1953-Cook** 0762
1953	Cooper, P. N. Crocker, V. S. Walker, J. **'The Relative Stopping-Power of Hydrogen and of Helium for Slow Alpha-Particles'** ***Proc. Phys. Soc. A66, 658-59 (1953)*** *Comment : R. 1.5-4.5 MeV He -> H2 He. Rel. To Air*	**1953-Coop** 0036
1953	Weyl, P. K. **'The Energy Loss of Hydrogen, Helium, Nitrogen and Neon Ions in Gases'** ***Phys. Rev., 91, 289-96 (1953)*** *Comment : S. 150-450 keV H, D, He, N, Ne -> H2, He, Air, Ar*	**1953-Weyl** 0131
1955	Riezler, U. Rudloff, A. **'Ionisation und Energieverlust von Alpha-Teilchen in Verschiedenen Gasen'** ***Ann. Physik, 18, 224-245 (1955)*** *Comment : R. S Rel. To Air. 5.3 MeV He -> He, Ne, Ar, Kr, Xe, H2, N2, O2, NH3, CO, CO2, NO, N2O, CH4, C2H6, C3H8, C4H10*	**1955-Riez** 0567
1961	Riezler, W. Schepers, H. **'Ionisation und Energieverlust von Alpha-Teilchen in Verschiedenen Gasen'** ***Ann. Physik, 8, 270-277 (1961)*** *Comment : R. S Rel. To Air 8.78 MeV He -> Air, He, Ne, Ar, Kr, H2, N2, O2, CO, CO2, CH4, C2H6, C3H8, C4H10*	**1961-Riez** 0568
1962	Martin, F. W. Northcliffe, L. C. **'Energy Loss and Effective Charge of He, C, and Ar Ions'** ***Phys. Rev., 128, 1166-1174 (1962)*** *Comment : S. He, C, Ar (4-400 MeV) -> H, He, N, Ar*	**1962-Mart** 0148

Pub. Year	Authors, Title, Journal Citation and Comments	Citation Numb
1964	Cuevas, J. Garcia-Munoz, M. Torres, P. Allison, S. K. **'Partial Atomic and Ionic Stopping Powers of Gaseous Hydrogen for Helium and Hydrogen Beams'** ***Phys. Rev. A, 135, 335-45 (1964)*** *Comment : S. 40-460 keV He -> H2*	**1964-Cuev** 0177
1967	Vasilievsky, I. M. Prokoshkin, Yu. D. **'Ionization Energy Loss of Protons, Deuterons and Alpha-Particles'** ***Yaderna Fiz. (Russia), 4, 549-55 (1966)[Engl. Trans. Sov. Phys. Nucl. Phys., 4, 390-94 (1967)]*** *Comment : S. (267-650 MeV) H, D, He -> Cu, H, C, Al, Sn, Pb*	**1967-Vasi** 0313
1968	Hvelplund, P. **'Prisopgave'** ***Aarhus University P. 1-105 (In Danish) (1968)*** *Comment : S, dS. Many Ions (H-Hg) at 50-500 keV -> H, He, Ne, Ar, Kr, Xe, Air*	**1968-Hvel** 0406
1971	Bourland, P. D. Chu, W. K. Powers, D. **'Stopping Cross Section of Gases for Alpha Particles from 0.3 - 2.0 MeV'** ***Phys. Rev. B, 3, 3625-35 (1971)*** *Comment : S. 0.3-2.0 MeV He -> H2, O2, N2, NH3, N2O, CO, CO2, Hydrocarbons*	**1971-Bour** 0439
1971	Bourland, P. D. Powers, D. **'Bragg-Rule Applicability to Stopping Cross Sections of Gases for Alpha Particles of Energy 0.3 - 2.0 MeV'** ***Phys. Rev. B, 3, 3635-41 (1971)*** *Comment : S. 0.3-2.0 MeV He -> H2, O2, N2, NH3, N2O, CO, CO2, Hydrocarbons*	**1971-Bour2** 0440
1971	Hoyer, U. Waffler, H. **'Der Atomare Bremsquerschnitt von H2, D2, He, N2 und a Fur Alpha-Teilchen in Umladungsgebiet (0.5 < E < 2 MeV).'** ***Z. Naturforschg. 26A, 592-95 (1971)*** *Comment : S. 0.5-2.0 MeV He -> H2, D2, N2, Ar*	**1971-Hoye** 0431
1971	Hvelplund, P. **'Energy Loss and Straggling of 100-500 keV Atoms with 2 ó Z1 ó 12 in Various Gases'** ***Kgl. Danske Videnskab. Selskab Mat. Fys. Medd., 38, No. 4, P. 1-25 (1971)*** *Comment : S,dS. (100-500 keV) He, Li, Be, B, C, N, O, F, Ne, Na, Mg -> Air, He, Ne, H2, O2*	**1971-Hvel** 0421
1972	Williamson, J. Watt, D. E. **'The Influence of Molecular Binding on the Stopping Power of Alpha Particles in Hydrocarbons'** ***Phys. Med. Biol., 17, 486-92 (1972)*** *Comment : S. 1.5 MeV He -> C, H, Many Hydrocarbons*	**1972-Will** 0233

Pub. Year	Authors, Title, Journal Citation and Comments	Citation Numb
1973	Wenger, E. Gardner, R. P. Verghese, K. **'Molecular Stopping Cross Sections of Alpha Particles in Butane, Propane, Ethane, Neon, Helium, and Hydrogen'** ***Health Phys., 25, 67-71 (1973)*** *Comment : S. (2.5-6 MeV) He -> H2, Ne, He, C2H6, C3H8, C4H10*	**1973-Weng** 0828
1975	Brendle, M. Gugel, F. Steidle, G. **'The Ranges of Alpha Particles in H2, He, CH4 and CO2 at Energies from 0.5 to 5.3 MeV.'** ***Nucl. Inst. Methods, 130, 253-256 (1975)*** *Comment : R. 0.5-5.3 MeV He -> H2, He, CH4, CO2*	**1975-Bren** 0790
1975	Langley, R. A. **'Stopping Cross Sections for Helium and Hydrogen in H2, N2, O2 and H2S (0.3 - 2.5 MeV)'** ***Phys. Rev. B, 12, 3575-83 (1975)*** *Comment : S. 0.3-2.5 MeV H, He -> H2, N2, O2, H2S*	**1975-Lang** 0785
1977	Besenbacher, F. **'Stopping Power and Straggling for H and He Ions in Gas Targets'** ***Specialeopgave. Aarhus University (1977)*** *Comment : S. dS. 20-500 keV H, He -> H, He N, O, Ne, Ar, Kr, Xe, CO2*	**1977-Bese** 0954
1977	DelBianco, W. Richer, J. **'Stopping Power of Alpha Particles in Deuterium Gas'** ***Nucl. Inst. Methods, 140, 215 (1977)*** *Comment : S. 5.5 MeV He -> D*	**1977-DelB** 1045
1978	Hanke, C. C. Laursen, J. **'Stopping Cross Sections for Alpha Particles from 1.0 to 8.5 MeV in H2, He, N2, O2, Ne, Kr, and Xe.'** ***Nucl. Inst. Methods, 151, 253-260 (1978)*** *Comment : S. 1.0 - 8.5 MeV He -> H, He, N, O, Ne, Kr, Xe.*	**1978-Hank** 1082
1979	Besenbacher, F. Andersen, H. H. Hvelplund, P. Knudsen, H. **'Stopping Power of Swift Hydrogen and Helium Ions in Gases'** ***Kgl. Danske Videnskab. Selskab Mat. Fys. Medd. 40, 1-39 (1979)*** *Comment : S. 40 keV-1 MeV H And 100 keV-2.4 MeV He -> H2, He, N2, O2, CO2, Ne, Ar, Kr, Xe*	**1979-Bese** 1160
1979	Dennis, J. A. Powers, D. **'The Dependence of Stopping Power on Physical and Chemical States'** ***Preprint (1979) 8*** *Comment : S. H, He -> Gases (Review Of Current Data)*	**1979-Denn** 1193
1979	Whillock, M. J. Edwards, A. A. **'Determination of the Stopping Cross Sections of N, H, CH4, C4H10 and C3H6 using Alpha Particles in the Range 1.3-4.2 MeV'** ***Phys. Med. Biol., 24, 518-524 (1979)*** *Comment : S. He (1.3-4.2 MeV) -> N, H, CH4, C4H10,C3H6*	**1979-Whil** 1540

Citations for Ion = He , Target = H

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1980	Sofield, C. J. Cowern, N. E. B. Freeman, J. M. **'Charge-Exchange Effects in Energy-Loss Straggling'** ***Nucl. Inst. Methods, 170, 221-225 (1980)*** *Comment : R, dR. 0-50 MeV Atomic Numbers 1-16 -> Al*	**1980-Sofi** 1378
1982	Fukuda, A. **'Stopping Powers of H2, O2, C2H4 for 40-200 keV He and N Ions'** ***Phys. Med. Biol., 27 (1), 73-39 (1982)*** *Comment : S. He, N (40-200 keV) -> H, O, C2H4 (gases)*	**1982-Fuku** 1557
1983	Baumgart, H. Berg, H. Huttel, E. Pfaff, E. Reiter, G. **'He4 Stopping Cross Sections in H2, He, N2, O2, Ne, Ar, Kr, Xe, CH4 and CO2'** ***Nucl. Inst. Methods, 215, 319-328 (1983)*** *Comment : S. He (0.1-1.2 MeV) -> H2, He, N2, O2, Ne, Ar, Kr, Xe, CH4 and CO2*	**1983-Baum3** 1450
1990	Reiter, G. Kniest, N. Pfaff, E. Clausnitzer, G. **'Proton and Helium Stopping Cross Sections in H, He, N, O, Ne, Ar, Kr, Xe, CH4'** ***Nucl. Inst. Methods, B44, 399-411 (1990)*** *Comment : S. H, He (0.7-3.0 MeV) -> H, He, N, O, Ne, Ar, Kr, Xe, CH4*	**1990-Reit** 1933
1992	Golser, R. Semrad. D. **'Energy Loss of Hydrogen and Helium Ions in Hydrogen and Helium Gas: Looking for Exceptions from Velocity Proportionality'** ***Nucl. Inst. Methods, B69, 18-21 (1992)*** *Comment : S. H, D, He (4 keV/amu) -> H, He*	**1992-Gols3** 1893