

Citations for Target :

Pub. Year	Authors, Title, Journal Citation and Comments	Citation Numb
1909	Taylor, T. S. 'On the Retardation of Alpha Rays by Metals and Gases' <i>Phil. Mag., 18, 604-619 (1909)</i>	1909-Tayl 0117
	<i>Comment : S. 7.7 MeV He -> Au, Sn, Pb, Al, H2, Paper, Collodium, Rel. To Air</i>	
1913	Taylor, T. S. 'The Range and Ionization of the Alpha Particles in Simple Gases' <i>Phil. Mag., 26, 402-410 (1913)</i>	1913-Tayl 0118
	<i>Comment : R. 5.3, 5.5 MeV He -> H2, He, O2, Air</i>	
1920	VonTraubenberg, H. R. 'Uber Eine Methode Zur Direkten Bestimmung der Reichweite von Alpha-Strahlen in Festen Korpern' <i>Z. Physik, 2, 268-276 (1920)</i>	1920-VonT 0123
	<i>Comment : R. 7.7 MeV He -> H2, He, Li, O2, Mg, Al, Ca, Fe, Ni, Au, Zn, Ag, Cd, Sn, Pt, Cu, Tl, Pb.</i>	
1924	Rutherford, E. 'The Capture and Loss of Electrons by Alpha Particles' <i>Phil. Mag., 47, 277 (1924)</i>	1924-Ruth 1994
	<i>Comment : S. He (5-7 MeV) -> Air, H, He, Mica</i>	
1925	Gurney, R. W. 'The Stopping-Power of Gases for Alpha-Particles of Different Velocities' <i>Proc. Roy. Soc., A107, 340-349 (1925)</i>	1925-Gurn 0061
	<i>Comment : S. 5.3, 6.1 MeV He -> H2, He, O2, Ne, Ar, Kr, Xe Rel. To Air</i>	
1926	Meitner, L. Freitag, K. 'Uber Die Alpha-Strahlen Des Thc+C' und Ihre Verhalten Beim Durchgaug Durch Verschiedene Gase' <i>Z. Physik, 37, 481-517 (1926)</i>	1926-Meit 0090
	<i>Comment : R. 5.3 MeV He -> Air, H2, H2O, CH4, N2, O2, CO, CO2, SO, SO2, CH3Br. Tracks In Cloud-Chamber.</i>	
1927	Gibson, G. E. Eyring, H. 'The Ionization and Stopping Power of Various Gases for Alpha Particles from Polonium' <i>Phys. Rev., 30, 553-561 (1927)</i>	1927-Gibs 1577
	<i>Comment : S. He (2-7 MeV) -> H, He, N, O, Ne, Ar, CH2. Early stopping paper- values based on differential of range/ionization measurements.</i>	
1930	Gerthsen, Chr. 'Uber Ionisation und Reichweite von H-Kanalstrahlen in Luft und Wasserstoff' <i>Ann. Physik, 5, 657-669 (1930)</i>	1930-Gert 0053
	<i>Comment : R. 20-64 keV H -> Air, H2</i>	

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1930	Harper, G. I. Salaman, I. 'Measurements on the Ranges of Alpha-Particles' <i>Proc. Roy. Soc., A127, 175-85 (1930)</i> <i>Comment : R. 5.3-7.7 MeV He -> H2, Ne, O2, Air.</i>	1930-Harp 0064
1934	Mano, G. 'Recherches Sur L'Absorption Des Rayons Alpha' <i>Ann. de Physique, 1, 408-531 (1934)</i> <i>Comment : S. 4.2-7.7 MeV He -> H2, He, Ne, Ar, Air</i>	1934-Mano 0085
1936	Forster, M. 'Reichweiten von Alpha-Strahlen und Chemische Bindung' <i>Ann. Physik, 27, 373-388 (1936)</i> <i>Comment : R. 5.3 MeV He -> H2, O2, H2O</i>	1936-Fors 0051
1942	Creenshaw, C. M. 'The Loss of Energy of Hydrogen Ions Traversing Various Gases' <i>Phys. Rev., 62, 54-64 (1942)</i> <i>Comment : S. 60-340 keV H, D -> H2, D2, He, H2O Rel. To Air</i>	1942-Cree 0040
1949	Hatfield, T. N. Lockenwitz, A. E. Colby, M. Y. 'The Relative Stopping Power of Gases for Alpha Particles from Polonium' <i>J. Franklin Inst., 247, 133-36 (1949)</i> <i>Comment : S. 5.3 MeV He -> H2, N2, O2, N2O, CO2, H2S, Hydrocarbons</i>	1949-Hatf 0065
1951	Bakker, C. J. Segre, E. 'Stopping Power and Energy Loss for Ion-Pair Production for 340 MeV Protons' <i>Phys. Rev., 84, 489-92 (1951)</i> <i>Comment : S. Rel. To Al And Cu. 340 MeV H -> H2, Li, Be, C, Al, Fe, Cu, Ag, Sn, W, Pb, U</i>	1951-Bakk 0218
1952	Thompson, H. J. 'Effect of Chemical Structure on Stopping Powers for High-Energy Protons' <i>UCRL Rpt. 1910 (1952)</i> <i>Comment : S. Rel. To Cu. 270 MeV H -> H2, C, N2, O2, Cl2</i>	1952-Thom 0147
1953	Cook, C. J. Jones, E. Jr. Jorgensen, . 'Range-Energy Relations of 10- to 250-keV Protons and Helium Ions in Various Gases' <i>Phys. Rev., 91, 1417-22 (1953)</i> <i>Comment : R. (4-250 keV) H, He -> H2, Ar, Air, N2, CO, CH4, O2 . Ionization Ranges.</i>	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' <i>Proc. Phys. Soc. A66, 658-59 (1953)</i> <i>Comment : R. 1.5-4.5 MeV He -> H2 He. Rel. To Air</i>	1953-Coop 0036

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1953	Phillips, J. A. 'The Energy Loss of Low Energy Protons in Some Gases' <i>Phys. Rev.</i> , 90 , 532-37 (1953) <i>Comment</i> : S. 10-80 keV H -> H ₂ , He, N ₂ , O ₂ , Ar, Kr, H ₂ O, CO ₂ , CCl ₄	1953-Phil 0099
1953	Reynolds, H. K. Dunbar, D. N. F. Wenzel, W. A. Whaling, W. 'The Stopping Cross Section of Gases for Protons, 30-600 keV' <i>Phys. Rev.</i> , 92 , 742-48 (1953) <i>Comment</i> : S. 30-600 keV H -> H ₂ , He, O ₂ , Air, N ₂ , Ne, Ar, Kr, Xe, Hydrocarbons.	1953-Reyn 0103
1953	Weyl, P. K. 'The Energy Loss of Hydrogen, Helium, Nitrogen and Neon Ions in Gases' <i>Phys. Rev.</i> , 91 , 289-96 (1953) <i>Comment</i> : S. 150-450 keV H, D, He, N, Ne -> H ₂ , He, Air, Ar	1953-Weyl 0131
1955	Riezler, U. Rudloff, A. 'Ionisation und Energieverlust von Alpha-Teilchen in Verschiedenen Gasen' <i>Ann. Physik</i> , 18 , 224-245 (1955) <i>Comment</i> : R. S Rel. To Air. 5.3 MeV He -> He, Ne, Ar, Kr, Xe, H ₂ , N ₂ , O ₂ , NH ₃ , CO, CO ₂ , NO, N ₂ O, CH ₄ , C ₂ H ₆ , C ₃ H ₈ , C ₄ H ₁₀	1955-Riez 0567
1959	Harvey, B. G. Donovan, P. F. Morton, J. R. 'Range Energy Relation for Heavy Atoms' <i>UCRL Rpt. 8618</i> , 17-20 (1959) <i>Comment</i> : R. 725 keV 226Th -> H ₂ , D ₂ , He, N ₂ , Ar	1959-Harv 0145
1959	Valyocsik, E. W. 'Range and Range Straggling of Heavy Recoil Atoms' <i>UCRL Rpt. 8855</i> (1959) <i>Comment</i> : R, dR. (90-725 keV) Ra, Th -> N ₂ , H ₂ , D ₂ , He, Ne, Ar; Po (80 keV) -> 209Bi	1959-Valy 0144
1959	Zrelov, V. P. Stoletov, G. D. 'Range-Energy Relation for 660 MeV Protons' <i>Zh. Eksp. Teor. Fiz.</i> , 36 , 664-72 (1959) [<i>Engl. Trans. Sov. Phys. JETP</i> , 9 , 461-67 (1959)] <i>Comment</i> : R. 660 MeV H -> Cu. S Rel. To Cu, 635 MeV H -> H, Be, C, Fe, Cd, W	1959-Zrel 0222
1961	Clerc, H. G. Waffler, H. Berthold, F. 'Reichweite von Li ⁸ -Ionen der Energie 40-450 keV in Wasserstoff, Deuterium und Helium' <i>Z. Naturforschg.</i> 16A , 149-54 (1961) <i>Comment</i> : R. 40-450 keV ⁸ Li -> H ₂ , D ₂ , He	1961-Cler 0210
1961	Riezler, W. Schepers, H. 'Ionisation und Energieverlust von Alpha-Teilchen in Verschiedenen Gasen' <i>Ann. Physik</i> , 8 , 270-277 (1961) <i>Comment</i> : R. S Rel. To Air 8.78 MeV He -> Air, He, Ne, Ar, Kr, H ₂ , N ₂ , O ₂ , CO, CO ₂ , CH ₄ , C ₂ H ₆ , C ₃ H ₈ , C ₄ H ₁₀	1961-Riez 0568

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1962	Bryde, L. Lassen, N. O. Roy-Poulsen, N. O. 'Ranges of Recoil Ions from Alpha-Reactions' <i>Kgl. Danske Videnskab. Selskab Mat. Fys. Medd., 33, No. 8, 1-28 (1962)</i> <i>Comment : R, dR. (0.6-1.3 MeV) Ga, K -> H2, D2, He, Ar, N, Cu; 3.9 MeV F -> N</i>	1962-Bryd 0156
1962	Huberman, M. N. 'Partial Ionic Stopping Power and the Energy Expended in Electron Capture and Loss Collisions of Protons in Hydrogen Gas. II' <i>Phys. Rev., 127, 799 (1962)</i> <i>Comment : S. H (42-53 keV) -> H2</i>	1962-Hube 1948
1962	Martin, F. W. Northcliffe, L. C. 'Energy Loss and Effective Charge of He, C, and Ar Ions' <i>Phys. Rev., 128, 1166-1174 (1962)</i> <i>Comment : S. He, C, Ar (4-400 MeV) -> H, He, N, Ar</i>	1962-Mart 0148
1964	Alexander, J. M. Gilat, J. Sisson, D. H. 'Neutron and Photon Emission from Dysprosium and Terbium Compound Nuclei: Range Distributions' <i>Phys. Rev. B, 136, 1289-97 (1964)</i> <i>Comment : R. 6-21 MeV Dy, Tb -> H2, D2, Al</i>	1964-Alex 0204
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' <i>Phys. Rev. A, 135, 335-45 (1964)</i> <i>Comment : S. 40-460 keV He -> H2</i>	1964-Cuev 0177
1964	Lassen, N. O. Roy-Poulsen, N. O. Sidenius, G. Vistisen, L. 'Stopping of 50 keV Ions in Gases' <i>Kgl. Danske Videnskab. Selskab Mat. Fys. Medd., 34, No. 5, 1-20 (1964)</i> <i>Comment : R. (50 keV) Na, Ga, Au -> H2, D2, Ne, Ar, He, N2</i>	1964-Lass 0311
1964	Sidenius, G. 'Measurement of dE/dX in Gases with Low Energy Heavy Particles' <i>M. R. C. McDowell (Ed.) Atomic Collision Processes, North-Holland, Amsterdam, P. 709-16 (1964)</i> <i>Comment : S. (20-50 keV) Cl, Ga, Zr, Sb, Pb, Fe, Ca, Ge, U -> H2</i>	1964-Side 0652
1965	Allison, S. K. Anton, D. Morrison, R. A. 'Stopping Power of Gases for Lithium Ions' <i>Phys. Rev. A, 138, 688-91 (1965)</i> <i>Comment : S. 0.6-3.75 MeV Li -> H2, He, CH4, N2, CO2</i>	1965-Alli 0370
1965	Hollricher, O. 'Umladnng und Ionisation Beim Durchgang von Leichten und Schweren Wasserstoffionen Durch Leichten und Schweren Wasserstoff' <i>Z. Physik, 187, 41 (1965)</i> <i>Comment : S. 1.5 - 30 keV H, D -> H2, D2</i>	1965-Holl 0236

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1966	Mason, D. L. Prior, R. M. Quinton, A. R. 'The Energy Straggling of 1 MeV Protons in Gases' <i>Nucl. Inst. Methods, 45, 41-44 (1966)</i> <i>Comment : dS. 1 MeV H -> H, He, N, O, Ar, Xe</i>	1966-Maso 0282
1966	Mulas, P. M. Axtmann, R. C. 'Energy Loss of Fission Fragments in Light Materials' <i>Phys. Rev., 146, 296-300 (1966)</i> <i>Comment : S. Fiss. Fragm. -> H2, D2, Mylar, N2</i>	1966-Mula 0259
1966	Nielsen, O 'Specialeopgave' <i>Niels Bohr Institute, University of Copenhagen, Pp. 1-64 (1966)</i> <i>Comment : S, dS. 50 keV C, Na, Cl, K, Mn, Y, Zn, Ag, Hf, Lu, Hg, Bi -> H2, D2, He, N2, Ne, Ar</i>	1966-Niel 0396
1966	Palmer, R. B. J. 'The Stopping of Hydrogen and Hydrocarbon Vapours for Alpha Particles over the Energy Range 1-8 MeV' <i>Proc. Phys. Soc., 87, 681-88 (1966)</i> <i>Comment : S. 1-8 MeV He -> H, C, Many Hydrocarbons</i>	1966-Palm 0244
1967	Vasilievsky, I. M. Prokoshkin, Yu. D. 'Ionization Energy Loss of Protons, Deuterons and Alpha-Particles' <i>Yaderna Fiz. (Russia), 4, 549-55 (1966)[Engl. Trans. Sov. Phys. Nucl. Phys., 4, 390-94 (1967)]</i> <i>Comment : S. (267-650 MeV) H, D, He -> Cu, H, C, Al, Sn, Pb</i>	1967-Vasi 0313
1967	Wiechmann, W. Biersack, J. 'Reichweiten von Radium - 224 - Ruckstoss-Atomen in Gasen' <i>Nukleonika, 9, 399-400 (1967)</i> <i>Comment : R, dR. 96 keV 224Ra -> Ar, Ne, O2, N2, CH4, He, H2</i>	1967-Wiec 0296
1968	Biersack, J. P. 'Range of Recoil Atoms in Isotropic Stopping Materials' <i>Z. Physik, 211, 495-501 (1968)</i> <i>Comment : R. (96-1335 keV) Al, Na, Mn, Mg, Co, Cu, Ra -> Al, Fe, Ni, Ar, Ne, O2, N2, CH4, He, H2, CuO, Al2O3</i>	1968-Bier 0332
1968	Hvelplund, P. 'Prisopgave' <i>Aarhus University P. 1-105 (In Danish) (1968)</i> <i>Comment : S, dS. Many Ions (H-Hg) at 50-500 keV -> H, He, Ne, Ar, Kr, Xe, Air</i>	1968-Hvel 0406
1968	Pierce, T. E. Blann, M. 'Stopping Powers and Ranges of 5-90 MeV S32, Cl35, Br79, and I127 Ions in H2, He, N2, Ar, and Kr: a Semiempirical Stopping Power Theory for Heavy Ions in Gases and Solids' <i>Phys. Rev., 173, 390-405 (1968)</i> <i>Comment : S. 5-90 MeV 32S, 35Cl, 79Br, 127I -> H2, He, N2, Ar, Kr</i>	1968-Pier 0354

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1970	Garbincius, P. H. Hyman, L. G. 'Range-Energy Relation in Hydrogen' <i>Phys. Rev. A, 2, 1834-38 (1970)</i> <i>Comment : R. 12-40 MeV H -> H2</i>	1970-Garb 0445
	Walsh, P. J. Underwood, N. 'Energy Loss of Heavy Charged Particles' <i>Health Phys., 18, 561-565 (1970)</i> <i>Comment : S. H (0.3-8 MeV) -> H, He, Li, C. Theory, compared to experiments.</i>	1970-Wals 1950
1971	Bonderup, E. Hvelplund, P. 'Stopping Power and Energy Stragglng of Swift Protons' <i>Phys. Rev. A, 4, 562-69 (1971)</i> <i>Comment : S,dS. 100-500 keV H -> H2, He, Air, Ne, Ar, Kr</i>	1971-Bond 0429
	Bourland, P. D. Chu, W. K. Powers, D. 'Stopping Cross Section of Gases for Alpha Particles from 0.3 - 2.0 MeV' <i>Phys. Rev. B, 3, 3625-35 (1971)</i> <i>Comment : S. 0.3-2.0 MeV He -> H2, O2, N2, NH3, N2O, CO, CO2, Hydrocarbons</i>	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' <i>Phys. Rev. B, 3, 3635-41 (1971)</i> <i>Comment : S. 0.3-2.0 MeV He -> H2, O2, N2, NH3, N2O, CO, CO2, Hydrocarbons</i>	1971-Bour2 0440
	Hakim, M. Shafrir, N. H. ' ²⁵² Cf Fission Fragment Energy Loss Measurements in Elementary Gases and Solids as Compared with Theory' <i>Can. J. Phys., 49, 3024-35 (1971)</i> <i>Comment : S. Fiss. Fragm. -> H2 D2, He, C, N2 O2, Ne, Al, Ar, Ni, Cu, Kr, Ag, Xe, Au</i>	1971-Haki 0432
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).' <i>Z. Naturforschg. 26A, 592-95 (1971)</i> <i>Comment : S. 0.5-2.0 MeV He -> H2, D2, N2, Ar</i>	1971-Hoye 0431
	Hvelplund, P. 'Energy Loss and Stragglng of 100-500 keV Atoms with 2 ó Z1 ó 12 in Various Gases' <i>Kgl. Danske Videnskab. Selskab Mat. Fys. Medd., 38, No. 4, P. 1-25 (1971)</i> <i>Comment : S,dS. (100-500 keV) He, Li, Be, B, C, N, O, F, Ne, Na, Mg -> Air, He, Ne, H2, O2</i>	1971-Hvel 0421
1971	Leon, J. Steiger-Shafir, N. H. 'Range and Range Stragglng of 97 keV ²²⁴ Ra Particles in Gases' <i>Can. J. Phys., 49, 1004-17 (1971)</i> <i>Comment : R, dR. 97 keV ²²⁴Ra -> H2, He, N2, O2, Ne, Ar, Kr, Xe</i>	1971-Leon 0446

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1971	Leon, J. Steiger-Shafir, N. H. 'Investigation of Nuclear Stopping Mechanism by Heavy Particle Range Measurements in Isotopic Media' <i>Can. J. Phys.</i> , 49, 2106-17 (1971) <i>Comment</i> : R. 97 keV Ra -> H, D, T, He, N, N, O, Ne	1971-Leon2 0447
1972	Williamson, J. Watt, D. E. 'The Influence of Molecular Binding on the Stopping Power of Alpha Particles in Hydrocarbons' <i>Phys. Med. Biol.</i> , 17, 486-92 (1972) <i>Comment</i> : S. 1.5 MeV He -> C, H, Many Hydrocarbons	1972-Will 0233
1973	Wenger, E. Gardner, R. P. Verghese, K. 'Molecular Stopping Cross Sections of Alpha Particles in Butane, Propane, Ethane, Neon, Helium, and Hydrogen' <i>Health Phys.</i> , 25, 67-71 (1973) <i>Comment</i> : 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.' <i>Nucl. Inst. Methods</i> , 130, 253-256 (1975) <i>Comment</i> : R. 0.5-5.3 MeV He -> H2, He, CH4, CO2	1975-Bren 0790
1975	Hvelplund, P. 'Energy Loss and Stragglng of 100-500 keV 90Th, 82Pb, 80Hg, and 64Gd in H2' <i>Phys. Rev. A</i> , 11, 1921-27 (1975) <i>Comment</i> : S, dS. 100-500 keV Gd, Hg, Pb, Th -> H2	1975-Hvel 0663
1975	Langley, R. A. 'Stopping Cross Sections for Helium and Hydrogen in H2, N2, O2 and H2S (0.3 - 2.5 MeV)' <i>Phys. Rev. B</i> , 12, 3575-83 (1975) <i>Comment</i> : S. 0.3-2.5 MeV H, He -> H2, N2, O2, H2S	1975-Lang 0785
1976	Martini, V. 'Stopping Cross Section Measurements with Heavy Ions in the keV Range in Gases by Time-Of-Flight Spectroscopy' <i>Nucl. Inst. Methods</i> , 139, 163-167 (1976). <i>Comment</i> : S. 20-156 keV Pb -> H2	1976-Mart 0876
1976	Thorngate, J. H. 'Measurements of Energy Losses, Distribution of Energy Loss and Additivity of Energy Losses for 50 to 150 keV Protons in Hydrogen and Nine Hydrocarbon Gases' <i>ORNL-TM-5165</i> (1976) <i>Comment</i> : S, dS. 50-150 keV H -> H2, CH4 and many other Hydrocarbons	1976-Thor 0902

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1977	Andersen, H. H. Besenbacher, F. Knudsen, H. 'Stopping Power and Straggling of 65 - 500 keV Lithium Ions in H ₂ , He, CO ₂ , N ₂ , O ₂ , Ne, Ar, Kr, and Xe' <i>Nucl. Inst. Methods, (1977) -b</i> <i>Comment : S, dS. 65 - 500 keV Li -> H₂, He, CO₂, N₂, O₂, Ne, Ar, Kr, Xe</i>	1977-Ande4 0930
1977	Besenbacher, F. 'Stopping Power and Straggling for H and He Ions in Gas Targets' <i>Specialeopgave. Aarhus University (1977)</i> <i>Comment : S, dS. 20-500 keV H, He -> H, He N, O, Ne, Ar, Kr, Xe, CO₂</i>	1977-Bese 0954
1977	DelBianco, W. Richer, J. 'Stopping Power of Alpha Particles in Deuterium Gas' <i>Nucl. Inst. Methods, 140, 215 (1977)</i> <i>Comment : S. 5.5 MeV He -> D</i>	1977-DelB 1045
1977	Park, J. T. Aldag, J. E. George, J. M. Peacher, J. L. Mcguire, J. H. 'Differential Energy-Loss Cross Sections for Ionization of Atomic Hydrogen by 25-200-keV Protons' <i>Phys. Rev. A, 1A, 508-516 (1977)</i> <i>Comment : S. 20-200 keV H -> H</i>	1977-Park 1047
1978	Andersen, H. H. Besenbacher, F. Knudsen, H. 'Stopping Power and Straggling of 65-500 keV Lithium Ions in H, He, CO, N, O, Ne, Ar, Kr and Xe' <i>Nucl. Inst. Methods, 149, 121-127 (1978)</i> <i>Comment : S. Li (65-500 keV) -> H, He, CO₂, N, O, Ne, Ar, Kr, Xe</i>	1978-Ande 1492
1978	Hanke, C. C. Laursen, J. 'Stopping Cross Sections for Alpha Particles from 1.0 to 8.5 MeV in H ₂ , He, N ₂ , O ₂ , Ne, Kr, and Xe.' <i>Nucl. Inst. Methods, 151, 253-260 (1978)</i> <i>Comment : S. 1.0 - 8.5 MeV He -> H, He, N, O, Ne, Kr, Xe.</i>	1978-Hank 1082
1979	Besenbacher, F. Andersen, H. H. Hvelplund, P. Knudsen, H. 'Stopping Power of Swift Hydrogen and Helium Ions in Gases' <i>Kgl. Danske Videnskab. Selskab Mat. Fys. Medd. 40, 1-39 (1979)</i> <i>Comment : S. 40 keV-1 MeV H And 100 keV-2.4 MeV He -> H₂, He, N₂, O₂, CO₂, Ne, Ar, Kr, Xe</i>	1979-Bese 1160
1979	Dennis, J. A. Powers, D. 'The Dependence of Stopping Power on Physical and Chemical States' <i>Preprint (1979) 8</i> <i>Comment : S. H, He -> Gases (Review Of Current Data)</i>	1979-Denn 1193
1979	Whillock, M. J. Edwards, A. A. 'Determination of the Stopping Cross Sections of N, H, CH ₄ , C ₄ H ₁₀ and C ₃ H ₆ using Alpha Particles in the Range 1.3-4.2 MeV' <i>Phys. Med. Biol., 24, 518-524 (1979)</i> <i>Comment : S. He (1.3-4.2 MeV) -> N, H, CH₄, C₄H₁₀, C₃H₆</i>	1979-Whil 1540

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1980	Sofield, C. J. Cowern, N. E. B. Freeman, J. M. 'Charge-Exchange Effects in Energy-Loss Straggling' <i>Nucl. Inst. Methods, 170, 221-225 (1980)</i> <i>Comment : R, dR. 0-50 MeV Atomic Numbers 1-16 -> Al</i>	1980-Sofi 1378
	Borgesen, P. Sorensen, H. 'Stopping of keV Light Ions in Solid Hydrogen' <i>Nucl. Inst. Methods, 200, 571-581 (1982)</i> <i>Comment : S, H, D (2-10 keV) -> H2, D2 (solids)</i>	1982-Borg2 1419
1982	Fukuda, A. 'Stopping Powers of H2, O2, C2H4 for 40-200 keV He and N Ions' <i>Phys. Med. Biol., 27 (1), 73-39 (1982)</i> <i>Comment : S, He, N (40-200 keV) -> H, O, C2H4 (gases)</i>	1982-Fuku 1557
	Geissel, H. Laichter, YI Schneider, W. F. W. Armbruster, P. 'Energy Loss and Energy Loss Straggling of Fast Heavy Ions in Matter' <i>Nucl. Inst. Methods, 194, 21-29 (1982)</i> <i>Comment : S, Heavy Ions (18 - 92) at 0.5-10 MeV/amu -> 17 Solids and 5 Gases</i>	1982-Geis 1417
1983	Baumgart, H. Arnold, W. Berg, H. Huttel, E. Clausnitzer, G. 'Proton Stopping Powers in Various Gases' <i>Nucl. Inst. Methods, 204, 597 (1983)</i> <i>Comment : H (60-800 keV) -> H, He, N, O, Ne, Ar, Kr, Xe</i>	1983-Baum 1614
	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' <i>Nucl. Inst. Methods, 215, 319-328 (1983)</i> <i>Comment : S, He (0.1-1.2 MeV) -> H2, He, N2, O2, Ne, Ar, Kr, Xe, CH4 and CO2</i>	1983-Baum3 1450
1983	Laichter, Y. Shafir, N. H. 'Fine Structure in the Stopping Powers and Ranges of Fission Fragments in Matter' <i>Nucl. Phys., A394, 77-86 (1983)</i> <i>Comment : S, Fission fragments (Cf-252) -> H, D, He, N, O, Ne, Ar, Kr, Xe</i>	1983-Laic 1696
	Schou, J. Sorensen, H. Andersen, H. H. Nielsen, M. Rune, J. 'Range Measurements of keV Hydrogen Ions in Solid Oxygen and Carbon Monoxide' <i>Nucl. Inst. Methods, B2, 159-163 (1984)</i> <i>Comment : R, H, D (1.3-3.5 keV/amu) -> H2, CO (solids)</i>	1984-Scho 2098
1984	Xu, Y. J. Khandelwal, G. S. Wilson, J. W. 'Intermediate Energy Proton Stopping Power for Hydrogen Molecules and Monoatomic Helium Gas' <i>Phys. Letters, 100A, 3, 137-140 (1984)</i> <i>Comment : S, H (0.1-1.0 MeV) -> H2, He</i>	1984-Xu 2 1464

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Pub. Year	Authors, Title, Journal Citation and Comments	Citation Numb
1985	Borgesen, P. 'Measurements of the Stopping Power for keV Light Ions in Condensed Molecular Gases' <i>Nucl. Inst. Methods, B12, 73-79 (1985)</i> <i>Comment : S. H, D (1-10 keV) -> H, D, N, O, CO (solids and gases)</i>	1985-Borg 1500
1985	Both, G. Krotz, R. Neuwirth, W. Schmidt, R. 'Energy Loss of 175-840 keV ⁷ Li Projectiles in Aqueous Solutions and in Organic Liquids' <i>Rad. Prot. Dosimetry, 13, no. 1-4, 75-78 (1995)</i> <i>Comment : S. Li (175-840 keV) -> H2) + 12 aqueous solutions</i>	1985-Both 1473
1986	Geyer, E. Reschke, D. Freitag, K. 'Z1 Stopping Power Oscillation in the Nuclear Stopping Regime as Obtained by Time-of-Flight Spectroscopy of Heavy Ions in Hydrogen' <i>Nucl. Inst. Methods, B15, 81-85 (1986)</i> <i>Comment : S. Heavy Ions (49-65) at 26 - 90 keV -> H2 (gas)</i>	1986-Geye 1447
1987	Freitag, K. Reschke, D. Geyer, E. 'Stopping Power Measurements for Low Energy Ions in Gases by Time-of-Flight Spectroscopy' <i>Nucl. Inst. Methods, B27, 344-352 (1987)</i> <i>Comment : S. Heavy Ions (49-65) at 27 - 90 keV -> H2 (gas)</i>	1987-Frei 1448
1988	Gardes, D. Bimbot, R. DellaNegra, S. Dumail, M. Kubica, B. 'Interaction of Heavy Ion Beams with a Hydrogen Plasma: Plasma Lens Effect and Stopping Power Enhancement' <i>Europhys. Lett., 8, 701-705 (1988)</i> <i>Comment : S. C, S (2 MeV/amu) -> H (plasma)</i>	1988-Gard 2233
1988	Hoffmann, D. H. H. H. Weyrich, K. Wahl, H. Peter, Th. Bimbot, R. 'Experimental Observation of Enhanced Stopping of Heavy Ions in a Hydrogen Plasma' <i>Z. Phys. A, 30, 339-340 (1988)</i> <i>Comment : S. U(333 MeV) -> H (plasma)</i>	1988-Hoff 2232
1989	Bimbot, R. Cabot, C. Gardes, H. Orliange, I. 'Stopping Power of Gases for Heavy Ions: Gas-Solid Effect II. 2-6 MeV/amu Cu, Kr and Ag Projectiles' <i>Nucl. Inst. Methods, B44, 19-34 (1989)</i> <i>Comment : S. Cu, Kr, Ag (2-5 MeV/amu) -> H, He, N, O, Ne, Ar, Kr, Xe (11 gases)</i>	1989-Bimb 1934
1989	Bimbot, R. Cabot, C. Gardes, D. Gauvin, H. Hingmann, R. 'Stopping Power of Gases for Heavy Ions: Gas-Solid Effects I. 2-13 MeV/amu Ne and Ar Projectiles' <i>Nucl. Inst. Methods, B44, 1-18 (1989)</i> <i>Comment : S. Ne, Ar (2-13 MeV/amu) -> H, He, N, O, Ne, Ar, Kr, Xe (12 gases)</i>	1989-Bimb2 1935

Citations for Target :

Pub. Year	Authors, Title, Journal Citation and Comments	Citation Numb
1989	Bimbot, R. Gauvin, H. Herault, J. Anne, R. Bastin, G. 'Interaction of 20-100 MeV/amu Heavy Ions with Solids and Gases' <i>Rad. Effects, 110, 15-17 (1989)</i> <i>Comment : S. O, Ar, Ca, Kr, Mo, Xe (20-95 MeV/amu) -> 10 Gases, 12 Solids</i>	1989-Bimb3 1936
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' <i>Nucl. Inst. Methods, B44, 399-411 (1990)</i> <i>Comment : S. H, He (0.7-3.0 MeV) -> H, He, N, O, Ne, Ar, Kr, Xe, CH4</i>	1990-Reit 1933
1992	Deutsch, C. Tahir, N. A. 'Fragmentation and Stopping of Heavy Cluster Ions in a Lithium Target-Application to Target Implosion' <i>Phys. Fluids B, 4, 3735-3745 (1992)</i> <i>Comment : S. N(cluster at 20 keV/amu) -> H, D, T (solids)</i>	1992-Deut 1881
1992	Golser, R. Semrad, D. 'Energy Loss of Hydrogen and Helium Ions in Hydrogen and Helium Gas: Looking for Exceptions from Velocity Proportionality' <i>Nucl. Inst. Methods, B69, 18-21 (1992)</i> <i>Comment : S. H, D, He (4 keV/amu) -> H, He</i>	1992-Gols3 1893
1993	Adamo, A. Agnello, M. Balestra, F. Belli, G. Bendiscioli, G. 'P Stopping Power in Hydrogen below 1 MeV and the P-He4 Metastable State' <i>Nucl. Phys., A558, 665-678 (1993)</i> <i>Comment : S. H- (1-120 keV) -> H Gas pressure effects.</i>	1993-Adam 2052
1993	Adamo, A. Agnello, M. Balestra, F. Belli, G. Bendiscioli, G. 'Anti-Proton Stopping Power in Hydrogen below 120 keV and the Barkas Effect' <i>Phys. Rev. A, 47, 4517-4520 (1993)</i> <i>Comment : S. H- (1-120 keV) -> H (liquid) Anti-proton stopping power</i>	1993-Adam2 2055
1993	Schiefermuller, A. Galsler, R. Stohl, R. Semrad, D. 'Energy Loss of Hydrogen Projectiles in Gases' <i>Phys. Rev. A, 48, 4467-4475 (1993)</i> <i>Comment : S. H (3-20 keV/amu) -> H2, D, He, Ne</i>	1993-Schi 2076
1994	OBELIX Collaboration 'Recent Results from OBELIX in Atomic Physics' <i>Yaderna Fiz. (Russia), 57, 1816-1828 (1994)</i> <i>Comment : S. H (0.5keV-3.3 MeV) -> H, He (gas) Pressure effects on stopping.</i>	1994-OBEL 2041

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Pub. Year	Authors, Title, Journal Citation and Comments	Citation Numb
1994	Rauhala, E. Raisanen, J. 'Stopping Powers of Solid Hydrogen, Carbon and Oxygen for 0.5-2.1 MeV/amu Li-7, B-11, C-12, N-14 and O-16' <i>Nucl. Inst. Methods, B93, 399-403 (1994)</i> <i>Comment : S, Li, B, C, N, O (0.5-2.1 MeV/amu) -> Solid H, C, O</i>	1994-Rauh 1851
1995	Agnello, M. Belli, G. Bertin, A. Botta, E. Zoccoli, A. 'Anti-Proton Slowing Down in H-2 and He and Evidence of Nuclear Stopping Power' <i>Phys. Rev. Letters, 74, 371-374 (1995)</i> <i>Comment : S, Sn, H- (0.5-1.1 MeV) -> H, He</i>	1995-Agne 1744
1996	Bertin, A. Bruschi, M. Capponi, M. d'Antone, I. de Castro, S. 'Experimental Antiproton Nuclear Stopping Power in H2 and D2' <i>Phys. Rev. A, 54, 5441-5446 (1996)</i> <i>Comment : S, H- (0-5 keV) H2, D2 (gases)</i>	1996-Bert 1144
1996	Bimbot, R. Barbey, S. Benfoughal, T. Clapier, F. Mirea, M. 'Stopping Powers of Gases for Very Heavy Ions' <i>Nucl. Inst. Methods, B107, 9-14 (1996)</i> <i>Comment : S, U, Pb (24 MeV/amu, 29 MeV/amu) -> H, N, O, N, Ar, Kr, Xe</i>	1996-Bimb 1828
1996	Golser, R. Semrad, D. Aumayr, F. 'Electronic Stopping in a He-H2 Mixture Substantially Exceeds Bragg's Rule Value' <i>Phys. Rev. Lett., 76, 3104-3107 (1996)</i> <i>Comment : S, D (4 keV/amu) -> He/H mixtures.</i>	1996-Gols 2160
1996	Schiwietz, G. Wille, U. Muino, R. D. Fainstein, P. D. Grande, P. L. 'Comprehensive Analysis of the Stopping Power of Antiprotons and Negative Muons in He and H2 Gas Targets' <i>J. Phys. B, 29, 307-321 (1996)</i> <i>Comment : S, H-, Mu- (0.25 keV - 2.5 MeV) -> H2, He (gas targets)</i>	1996-Schi 2063
1998	Gardes, D. Chabot, M. Nectoux, M. Maynard, G. Deutsch, C. 'Experimental Study of Stopping Power for High Z Ions in Hydrogen' <i>Nucl. Inst. Methods, A415, 698-702 (1998)</i> <i>Comment : S, I (50-160 MeV) -> H</i>	1998-Gard 2326
2001	Diwan, P. K. Kumar, S. Singh, G. Singh, L. 'Energy Loss of Heavy Ions in Gases: A Comparative Study' <i>Rad. Meas., 33, 193-202 (2001)</i> <i>Comment : S, Ne, S, Cl, Ar, Cu, Kr (1 - 80 MeV/u) -> H, He, N, Ar, Ne, Xe, CH4, C4H10, CO2, CF4</i>	2001-Diwa2 2369