

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

Pub. Year	Authors, Title, Journal Citation and Comments	Citation Numb
1930	Gerthsen, Chr. 'Uber Ionisation und Reichweite von H-Kanalstrahlen in Luft und Wasserstoff' <i>Ann. Physik, 5, 657-669 (1930)</i> <i>Comment : R. 20-64 keV H -> Air, H2</i>	1930-Gert 0053
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
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	Phillips, J. A. 'The Energy Loss of Low Energy Protons in Some Gases' <i>Phys. Rev., 90, 532-37 (1953)</i> <i>Comment : S. 10-80 keV H -> H2, He, N2, O2, Ar, Kr, H2O, CO2, CCl4</i>	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., 92, 742-48 (1953)</i> <i>Comment : S. 30-600 keV H -> H2, He, O2, Air, N2, Ne, Ar, Kr, Xe, Hydrocarbons.</i>	1953-Reyn 0103
1953	Weyl, P. K. 'The Energy Loss of Hydrogen, Helium, Nitrogen and Neon Ions in Gases' <i>Phys. Rev., 91, 289-96 (1953)</i> <i>Comment : S. 150-450 keV H, D, He, N, Ne -> H2, He, Air, Ar</i>	1953-Weyl 0131
1959	Zrelov, V. P. Stoletov, G. D. 'Range-Energy Relation for 660 MeV Protons' <i>Zh. Eksp. Teor. Fiz., 36, 664-72 (1959) [Engl. Trans. Sov. Phys. JETP, 9, 461-67 (1959)]</i> <i>Comment : R. 660 MeV H -> Cu. S Rel. To Cu, 635 MeV H -> H, Be, C, Fe, Cd, W</i>	1959-Zrel 0222

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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>	<table border="1"> <tr><td style="text-align: center;">1962-Hube</td></tr> <tr><td style="text-align: center;">1948</td></tr> </table>	1962-Hube	1948
1962-Hube				
1948				
1965	Hollricher, O. 'Umladnung 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>	<table border="1"> <tr><td style="text-align: center;">1965-Holl</td></tr> <tr><td style="text-align: center;">0236</td></tr> </table>	1965-Holl	0236
1965-Holl				
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1966	Mason, D. L. Prior, R. M. Quinton, A. R. 'The Energy Stragglng 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>	<table border="1"> <tr><td style="text-align: center;">1966-Maso</td></tr> <tr><td style="text-align: center;">0282</td></tr> </table>	1966-Maso	0282
1966-Maso				
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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>	<table border="1"> <tr><td style="text-align: center;">1967-Vasi</td></tr> <tr><td style="text-align: center;">0313</td></tr> </table>	1967-Vasi	0313
1967-Vasi				
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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>	<table border="1"> <tr><td style="text-align: center;">1968-Hvel</td></tr> <tr><td style="text-align: center;">0406</td></tr> </table>	1968-Hvel	0406
1968-Hvel				
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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>	<table border="1"> <tr><td style="text-align: center;">1970-Garb</td></tr> <tr><td style="text-align: center;">0445</td></tr> </table>	1970-Garb	0445
1970-Garb				
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1970	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>	<table border="1"> <tr><td style="text-align: center;">1970-Wals</td></tr> <tr><td style="text-align: center;">1950</td></tr> </table>	1970-Wals	1950
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>	<table border="1"> <tr><td style="text-align: center;">1971-Bond</td></tr> <tr><td style="text-align: center;">0429</td></tr> </table>	1971-Bond	0429
1971-Bond				
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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, 12, 3575-83 (1975)</i> <i>Comment : S. 0.3-2.5 MeV H, He -> H2, N2, O2, H2S</i>	<table border="1"> <tr><td style="text-align: center;">1975-Lang</td></tr> <tr><td style="text-align: center;">0785</td></tr> </table>	1975-Lang	0785
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1976	<p>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 (1976)</i></p> <p><i>Comment : S, dS. 50-150 keV H -> H2, CH4 and many other Hydrocarbons</i></p>	<table border="1"> <tr><td style="text-align: center;">1976-Thor</td></tr> <tr><td style="text-align: center;">0902</td></tr> </table>	1976-Thor	0902
1976-Thor				
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1977	<p>Besenbacher, F. 'Stopping Power and Straggling for H and He Ions in Gas Targets' <i>Specialeopgave. Aarhus University (1977)</i></p> <p><i>Comment : S, dS. 20-500 keV H, He -> H, He N, O, Ne, Ar, Kr, Xe, CO2</i></p>	<table border="1"> <tr><td style="text-align: center;">1977-Bese</td></tr> <tr><td style="text-align: center;">0954</td></tr> </table>	1977-Bese	0954
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1977	<p>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></p> <p><i>Comment : S. 20-200 keV H -> H</i></p>	<table border="1"> <tr><td style="text-align: center;">1977-Park</td></tr> <tr><td style="text-align: center;">1047</td></tr> </table>	1977-Park	1047
1977-Park				
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1979	<p>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></p> <p><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></p>	<table border="1"> <tr><td style="text-align: center;">1979-Bese</td></tr> <tr><td style="text-align: center;">1160</td></tr> </table>	1979-Bese	1160
1979-Bese				
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1979	<p>Dennis, J. A. Powers, D. 'The Dependence of Stopping Power on Physical and Chemical States' <i>Preprint (1979) 8</i></p> <p><i>Comment : S. H, He -> Gases (Review Of Current Data)</i></p>	<table border="1"> <tr><td style="text-align: center;">1979-Denn</td></tr> <tr><td style="text-align: center;">1193</td></tr> </table>	1979-Denn	1193
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1980	<p>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></p> <p><i>Comment : R, dR. 0-50 MeV Atomic Numbers 1-16 -> Al</i></p>	<table border="1"> <tr><td style="text-align: center;">1980-Sofi</td></tr> <tr><td style="text-align: center;">1378</td></tr> </table>	1980-Sofi	1378
1980-Sofi				
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1982	<p>Borgesen, P. Sorensen, H. 'Stopping of keV Light Ions in Solid Hydrogen' <i>Nucl. Inst. Methods, 200, 571-581 (1982)</i></p> <p><i>Comment : S. H, D (2-10 keV) -> H2, D2 (solids)</i></p>	<table border="1"> <tr><td style="text-align: center;">1982-Borg2</td></tr> <tr><td style="text-align: center;">1419</td></tr> </table>	1982-Borg2	1419
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1983	<p>Baumgart, H. Arnold, W. Berg, H. Huttel, E. Clausnitzer, G. 'Proton Stopping Powers in Various Gases' <i>Nucl. Inst. Methods, 204, 597 (1983)</i></p> <p><i>Comment : H (60-800 keV) -> H, He, N, O, Ne, Ar, Kr, Xe</i></p>	<table border="1"> <tr><td style="text-align: center;">1983-Baum</td></tr> <tr><td style="text-align: center;">1614</td></tr> </table>	1983-Baum	1614
1983-Baum				
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1984	<p>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></p> <p><i>Comment : R. H, D (1.3-3.5 keV/amu) -> H2, CO (solids)</i></p>	<table border="1"> <tr><td style="text-align: center;">1984-Scho</td></tr> <tr><td style="text-align: center;">2098</td></tr> </table>	1984-Scho	2098
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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
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
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	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	Schiefermuller, A. Galser, 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
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

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1996	Golser, R. Semrad, D. Aumayr, F. 'Electronic Stopping in a He-H2 Mixture Substantially Exceeds Bragg's Rule Value' <i>Phys. Rev. Lett.</i> , 76, 3104-3107 (1996)	1996-Gols
	<i>Comment : S. D (4 keV/amu) -> He/H mixtures.</i>	2160