

# Citations for Target : **H2O**

Pub. Year	Authors, Title, Journal Citation and Comments	Citation Numb
<b>1921</b>	VonTrautenberg, H. R. Phillip, K. 'Uber Zwei Direkte Methoden Zur Bestimmung der Reichweite von Alpha-Strahlen in Flussigkeiten und Gasen' <i>Z. Physik, 5, 404-409 (1921)</i> <i>Comment : R. 5.5 MeV He -&gt; H2O, Co, CO2, CH3Br, CH3I, Cl2, HCl, NH3, Rel. To Air</i>	<b>1921-VonT</b> 0097
<b>1923</b>	Phillip, K. 'Bremsung der Alpha-Strahlen in Flussigkeiten und Dampfen' <i>Z. Physik, 17, 23-41 (1923)</i> <i>Comment : R. 5.5 MeV He -&gt; Air, CO2, H2O, C2H5Oh, C6H6, C5H5N</i>	<b>1923-Phil</b> 0098
<b>1936</b>	Forster, M. 'Reichweiten von Alpha-Strahlen und Chemische Bindung' <i>Ann. Physik, 27, 373-388 (1936)</i> <i>Comment : R. 5.3 MeV He -&gt; H2, O2, H2O</i>	<b>1936-Fors</b> 0051
<b>1942</b>	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 -&gt; H2, D2, He, H2O Rel. To Air</i>	<b>1942-Cree</b> 0040
<b>1949</b>	Appleyard, R. K. 'Stopping Power of Liquid Water for Alpha Particles' <i>Nature, 163, 526 (1949)</i> <i>Comment : S. He (4-5 MeV) -&gt; H2O, Air. Relative measurments.</i>	<b>1949-Appl</b> 1579
<b>1950</b>	DeCarvalho, H. G. 'Range of Alpha-Particles in Water and Ice' <i>Phys. Rev., 78, 330 (1950)</i> <i>Comment : R. 5.3, 7.7 MeV He -&gt; H2O. Liq., Sol.</i>	<b>1950-DeCa</b> 0029
<b>1951</b>	Appleyard, R. K. 'The Stopping Power of Liquid Water' <i>Proc. Camb. Phil. Soc., 47, 443-49 (1951)</i> <i>Comment : S. 4-5 MeV He -&gt; H2O Rel. To Air</i>	<b>1951-Appl</b> 0004
<b>1951</b>	French, A. P. Seidl, F. G. P. " <i>Phil. Mag., 42, 537-554 (1951)</i> <i>Comment : Review of unpublished data</i>	<b>1951-Fren</b> 2399
<b>1952</b>	DeCarvalho, H. G. Yagoda, H. 'The Range of Alpha-Particles in Water' <i>Phys. Rev., 88, 273-78 (1952)</i> <i>Comment : R. 5.3, 7.7 MeV He -&gt; H2O. Liq., Sol.</i>	<b>1952-DeCa</b> 0030

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<b>1952</b>	Mills, R. G. 'A Cloud Chamber Investigation of Low Energy Range-Energy Relations' <i>UCRL Rpt. 1815, 1-89 (1952)</i> <i>Comment : R. 50-250 keV H, 100-360 keV He, 30-110 keV O -&gt; He, O2, H2O</i>	<b>1952-Mill</b> 0092
<b>1952</b>	Wenzel, W. A. Whaling, W. 'The Stopping Cross Section of D2O Ice' <i>Phys. Rev., 87, 499-503 (1952)</i> <i>Comment : S. 18-540 keV H -&gt; D2O (Ice)</i>	<b>1952-Wenz</b> 0130
<b>1953</b>	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 -&gt; H2, He, N2, O2, Ar, Kr, H2O, CO2, CCl4</i>	<b>1953-Phil</b> 0099
<b>1955</b>	Anianson, G. 'New Method for Measuring the Alpha-Particle Range and Stragglings in Liquids' <i>Phys. Rev., 98, 300-02 (1955)</i> <i>Comment : R. 5.3 MeV He -&gt; H2O, Various Hydrocarbon Liquids</i>	<b>1955-Ania</b> 0003
<b>1955</b>	Ellis, R. H. Rossi, H. Failla, G. 'Stopping Power of Water Films' <i>Phys. Rev., 97, 1043-47 (1955)</i> <i>Comment : R. 5.3 MeV He -&gt; H2O</i>	<b>1955-Elli</b> 0047
<b>1956</b>	McInally, M. 'The Differential Stopping Power of Liquid Water for Alpha-Particles' <i>Proc. Roy. Soc., A237, 28-38 (1956)</i> <i>Comment : R. 4-6 MeV He -&gt; H2O Rel. To Air</i>	<b>1956-McIn</b> 0089
<b>1959</b>	Palmer, R. B. J. Simons, H. A. B. 'The Experimental Determination of the Range-Energy Relations for Alpha Particles in Water and Water Vapour and the Stopping Power of Water and Water Vapour for Alpha Energies Below 8.78 MeV' <i>Proc. Phys. Soc., 74, 585-98 (1959)</i> <i>Comment : R. 1-8.78 MeV He -&gt; H2O (Gas. And Liq.)</i>	<b>1959-Palm</b> 0553
<b>1969</b>	Neuwirth, W. Hauser, U. Kuhn, E. 'Energy Loss of Charged Particles in Matter. I. Experimental Method and Velocity Dependence of the Energy Loss of Lithium Ions.' <i>Z. Physik, 220, 241-64 (1969)</i> <i>Comment : S. 100-800 keV Li -&gt; B4C, B, H2O, H3BO3, MoB, WB</i>	<b>1969-Neuw</b> 0605
<b>1971</b>	Dannheim, H. Gaissmair, B. Kroniger, D. Katchera, K. H. Seidler, B. 'Determination of dE/dx for 3-17 MeV Alpha Particles from Energy Loss Measurements in Lanthanum Magnesium Nitrate Single Crystals' <i>Z. Physik, 241, 130-37 (1971)</i> <i>Comment : S. 3-17 MeV He -&gt; La2Mg3(NO3)12O 24H2O</i>	<b>1971-Dann</b> 0661

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Pub. Year	Authors, Title, Journal Citation and Comments	Citation Numb
<b>1974</b>	Kamitsubo, H. 'Heavy Ion Science' <i>Oyo Buturi (Japan), 43, 1019-28 (1974)</i> <i>Comment : S, dS, H, He, C, O, Ar, Xe (1, 10 MeV/amu) -&gt; H2O</i>	<b>1974-Kami</b> 1275
<b>1975</b>	Neuwirth, W. Pietsch, W. Richter, K. Hauser, U. 'On the Invalidity of Bragg's Rule in Stopping Cross Sections of Molecules for Swift Li Ions' <i>Z. Physik A, 275, 215 (1975)</i> <i>Comment : S, 80 - 840 keV Li -&gt; B, Al, Ti, Ta, H2O, D2O, Plus 26 Compounds Of Boron (Doppler-Shift Attenuation Method)</i>	<b>1975-Neuw</b> 0929
<b>1975</b>	Neuwirth, W. Pietsch, W. Richter, K. Hauser, U. 'Electronic Stopping Cross Sections of Elements and Compounds for Swift Lithium Ions' <i>Z. Physik A, 275, 209-14 (1975)</i> <i>Comment : S, 80-840 keV Li -&gt; Be, B, Al, Ti, Cu, Ta, AlB2, AlB12, B4C, B2O3, BPO4, B4Si, CaB6, CeB6, Crb, Crb2, Cr2B3, H2O, D2O, HBO2, H3BO3, HFB2, KBF4, KBH4, LaB6, LiBH</i>	<b>1975-Neuw2</b> 0813
<b>1977</b>	Andrews, D. A. Newton, G. 'The Stopping Power of Heavy Ice for Low-Energy (10-30 keV) Deuterons' <i>J. Phys. D, 10, 845-850 (1977)</i> <i>Comment : S, 10-30 keV D -&gt; H2O</i>	<b>1977-Andr</b> 1073
<b>1977</b>	Matteson, S. Powers, D. Chau, E. K. L. 'Physical-State Effect in the Stopping Cross Section of H2O Ice and Vapor for 0.3 - 2.0 MeV Alpha Particles.' <i>Phys. Rev. A, 15, 856 - 864 (1977)</i> <i>Comment : S, 0.3 - 2 MeV 4He -&gt; H2O (Both Solid And Gas Phase).</i>	<b>1977-Matt</b> 0937
<b>1978</b>	Geary, M. J. Haque, A. K. M. M. 'A Spectrometer for the Study of Stopping power and Stragglng for Alpha Particles in Liquids' <i>J. Phys. E, 11, 795-800 (1978)</i> <i>Comment : S,R, He (0.1-5.4 MeV) -&gt; H2O, Tissue liquid. Preliminary results.</i>	<b>1978-Gear</b> 1589
<b>1978</b>	Palmer, R. B. Akhavan-Rezayat, A. 'Range-Energy Relations and Stopping Power of Water, Water Vapour and Tissue-Equivalent Liquid for Alpha Particles from 0.5-8 MeV' <i>Proc. 6th Sym. Microdosimetry, EurAtom Rpt. 6064, 739-748 (1978)</i> <i>Comment : S,R, He (0-7 MeV) -&gt; H2O, Tissue equivalent liquid.</i>	<b>1978-Palm</b> 1590
<b>1980</b>	Akhavan-Rezayat, A. Palmer, R. B. J. 'A Comparative Study of Two Methods for Measuring the Stopping Power of Liquids for Alpha Particles' <i>J. Phys. E, 13, 877-881 (1980)</i> <i>Comment : S, He (2-7.5 MeV) -&gt; H2O, Alcohols (liquids)</i>	<b>1980-Akha</b> 1541

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<b>1980</b>	Palmer, R. B. J. Akhavan-Rezayat, A. <b>'The Stopping Power of Liquids and Vapours for Alpha Particles'</b> <i>Proc. 7th Sym. Microdosimetry, EurAtom Rpt. 7147, 221-230 (1980)</i> <i>Comment : S. He (1.0-8.0 MeV) -&gt; H2O, Alcohols, Hydrocarbons. Stopping in gases and liquids.</i>	<b>1980-Palm</b> 1543
<b>1980</b>	Thwaites, D. I. Watt, D. E. Yeung, T. K. <b>'Energy Loss Studies for Low Energy Heavy Charged Particles'</b> <i>Proc. 7th Sym. Microdosimetry, EurAtom/Harwood Academic Pub., 1, 243-255 (1980)</i> <i>Comment : S. He (0.3-5.48 MeV) -&gt; H2O (gas and liquid)</i>	<b>1980-Thwa2</b> 1560
<b>1981</b>	Thwaites, D. I. <b>'Stopping Cross Sections of Liquid Water and Water Vapour for Alpha Particles within the Energy Region 0.3-5.5 MeV'</b> <i>Phys. Med. Biol., 26 (1), 71-80 (1981)</i> <i>Comment : S. He (0.3-5.5 MeV) -&gt; H2O (liquid and gas)</i>	<b>1981-Thwa</b> 1494
<b>1982</b>	Porter, L. E. Thwaites, D. I. <b>'Physical State Effects on the Mean Excitation Energy of Water as Determined from Alpha Particle Stopping Power Measurements'</b> <i>Phys. Rev. A, 25 (6), 3407-3410 (1982)</i> <i>Comment : S. He (2.0-5.5 MeV) -&gt; H2O (liquid and gas)</i>	<b>1982-Port</b> 1490
<b>1984</b>	Wilson, W. E. Miller, J. H. Toburen, L. H. Manson, S. T. <b>'Differential Cross Sections for Ionization of Methane, Ammonia and Water Vapor by High Velocity Ions'</b> <i>J. Chem. Phys., 80, 5631 (1984)</i> <i>Comment : S. H (3-4.2 MeV) -&gt; H2O, Ammonia, Methane</i>	<b>1984-Wils2</b> 1786
<b>1985</b>	Both, G. Krotz, R. Neuwirth, W. Schmidt, R. <b>'Energy Loss of 175-840 keV <sup>7</sup>Li Projectiles in Aqueous Solutions and in Organic Liquids'</b> <i>Rad. Prot. Dosimetry, 13, no. 1-4, 75-78 (1995)</i> <i>Comment : S. Li (175-840 keV) -&gt; H2 + 12 aqueous solutions</i>	<b>1985-Both</b> 1473
<b>1985</b>	Haque, A. K. M. M. Mohammadi, A. Nikjoo, H. <b>'Study of the Stopping Power and Straggling for Alpha Particles and Protons in Organic Solids, Liquids and Gases'</b> <i>Rad. Prot. Dosimetry, 13, 71-74 (1985)</i> <i>Comment : S,dS. H, He (.1-5.5 MeV) -&gt; H2O, methanol, ethanol, propanol, styrene, and polymers. Targets measured in Solid/Liquid/Gas phases.</i>	<b>1985-Haqu</b> 1661
<b>1990</b>	Mitterschiffthaler, C. Bauer, P. <b>'Stopping Cross Section of Water Vapor for Hydrogen Ions'</b> <i>Nucl. Inst. Methods, B48, 58 (1990)</i> <i>Comment : S. H (25-350 keV/amu) -&gt; H2O</i>	<b>1990-Mitt</b> 1722

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<b>1991</b>	Haque, A. K. M. M. Nikjoo, H. 'Stopping Power for Alpha Particles in Organic Liquids and Vapours' <i>Nucl. Inst. Methods, B53, 15-23 (1991)</i> <i>Comment : S. He (0.5-5.5 MeV) -&gt; H2O, methanol, ethenal, other organic compounds. Stopping in liquid and Vapor states.</i>	<b>1991-Haqu</b> 2186
<b>1992</b>	Bichsel, H. Hiraoka, T. 'Energy Loss of 70 MeV Protons in Elements' <i>Nucl. Inst. Methods, B66, 345-351 (1992)</i> <i>Comment : S. H (70 MeV) -&gt; C, H2O, SiO2, Al, Si, Ti, Cr, Fe, Co, Ni, Cu, Zn, Zr, Nb, Mo, Ag, Cd, In, Sn, Ta, W, Pb</i>	<b>1992-Bich2</b> 1624
<b>1993</b>	Hiraoka, T. Kawashima, K. Hoshino, K. Fukumura, A. Bichsel, H. 'Energy Loss of 70 MeV Protons in Organic Polymers' <i>Med. Phys., 20, 135-141 (1993)</i> <i>Comment : S. H (70 MeV) -&gt; H2O, A-150 Tissue plastic</i>	<b>1993-Hira</b> 2058
<b>1994</b>	Bauer, P. Kaferbock, W. Necas, V. 'Investigation of the Electronic Energy Loss of Hydrogen Ions in H2O: Influence of the State of Aggregation' <i>Nucl. Inst. Methods, B93, 132-136 (1994)</i> <i>Comment : S. H -&gt; H2O (Gas, Solid)</i>	<b>1994-Baue</b> 1853
<b>1997</b>	Bauer, P. Golser, R. Aumayr, F. Semrad, D. Arnau, A. 'Contribution of Valence Electrons to the Electronic Energy Loss of Hydrogen Ions in Oxides' <i>Nucl. Inst. Methods, B 125 102-105 (1997)</i> <i>Comment : S. H(10 - 1000 keV) -&gt; H2O, SiO2, Al2O3, LiNbO3</i>	<b>1997-Baue</b> 2366