

# Citations for Target : **Kr**

Pub. Year	Authors, Title, Journal Citation and Comments	Citation Numb
<b>1924</b>	Bates, L. F. 'On the Range of Alpha-Particles in Rare Gases' <i>Proc. Roy. Soc., A106, 622-632 (1924)</i> <i>Comment : R. 6.1-MeV He -&gt; He, Ne, O2, Ar, Kr, Xe</i>	<b>1924-Bate</b> 0010
<b>1925</b>	Gurney, R. W. 'The Stopping-Power of Gases for Alpha-Particles of Different Velocities' <i>Proc. Roy. Soc., A107, 340-349 (1925)</i> <i>Comment : S. 5.3, 6.1 MeV He -&gt; H2, He, O2, Ne, Ar, Kr, Xe Rel. To Air</i>	<b>1925-Gurn</b> 0061
<b>1934</b>	Naidu, R. 'Sur Les Courbes D'Ionisation Des Rayons Alpha Du Polonium Dans Les Gaz Rares' <i>J. Phys. Radium, 5, 575-77 (1934)</i> <i>Comment : S. 3-7 MeV He -&gt; He, Ne, Ar, Kr, Xe. All Rel. To Air</i>	<b>1934-Naid</b> 0093
<b>1934</b>	Naidu, R. 'Courbes D'Ionisation Dans Les Krypton Et Le Xenon Purs Relatives Aux Rayons Alpha Du Polonium' <i>J. Phys. Radium, 5, 343-46 (1934)</i> <i>Comment : R. 5.3 MeV He -&gt; Kr, Xe</i>	<b>1934-Naid2</b> 0511
<b>1952</b>	Becker, J. Chanson, P. Nageotte, E. Treille, P. Price, B. T. 'The Increase of Ionization with Momentum for Energetic Cosmic-Ray Particles' <i>Proc. Phys. Soc., 65, 437-48 (1952)</i> <i>Comment : S. 0.2-5 GeV/c Mu, Pi -&gt; Kr + CH4.</i>	<b>1952-Beck</b> 0115
<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>1953</b>	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 -&gt; H2, He, O2, Air, N2, Ne, Ar, Kr, Xe, Hydrocarbons.</i>	<b>1953-Reyn</b> 0103
<b>1954</b>	Boicourt, G. P. Brolley, J. E. 'Po Alpha Ranges in Various Counting Mixtures' <i>Rev. Sci. Inst., 25, 95-96 (1954)</i> <i>Comment : R. 5.3 MeV He -&gt; H2, He, N2, Ar, Ar + xx% CO2, CH4, Kr,</i>	<b>1954-Boic</b> 0023
<b>1954</b>	Chilton, A. B. Cooper, J. N. Harris, J. C. 'The Stopping Power of Various Elements for Protons of Energies from 400 to 1050 keV' <i>Phys. Rev., 93, 413-18 (1954)</i> <i>Comment : S. 400-1050 keV H -&gt; N2, Ne, Ar, Kr, Xe, Ni, Cu</i>	<b>1954-Chil</b> 0032

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<b>1955</b>	Brolley, J. E. Ribe, F. L. 'Energy Loss by 8.86 MeV Deuterons and 4.43 MeV Protons.' <i>Phys. Rev.</i> , 98, 1112-14 (1955) <i>Comment</i> : S. 4.43 MeV H -> H2, Air, Kr. 8.86 MeV D -> H2, He, N2, O2, Ne, Ar, Kr, Xe	<b>1955-Brol</b> 0026
<b>1955</b>	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, H2, N2, O2, NH3, CO, CO2, NO, N2O, CH4, C2H6, C3H8, C4H10	<b>1955-Riez</b> 0567
<b>1961</b>	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, H2, N2, O2, CO, CO2, CH4, C2H6, C3H8, C4H10	<b>1961-Riez</b> 0568
<b>1963</b>	Wolke, R. L. Bishop, W. N. Eichler, E. Johnson, N. R. O'Kelley, G. D. 'Ranges and Stopping Cross Sections of Low-Energy Tritons' <i>Phys. Rev.</i> , 129, 2591-96 (1963) <i>Comment</i> : R, S. 0.2-2.73 MeV T -> N2, Al, Ar, Ni, Kr, Xe.	<b>1963-Wolk</b> 0142
<b>1964</b>	Gilat, J. Alexander, J. M. 'Stopping of Dysprosium Ions in Gases and Al' <i>Phys. Rev. B</i> , 136, 1298-1305 (1964) <i>Comment</i> : R. 6-21 MeV Dy -> He, N2, Ne, Ar, Kr, Xe	<b>1964-Gila</b> 0185
<b>1966</b>	Kerr, G. D. Hain, L. M. Underwood, N. Walthers, A. W. 'Molecular Stopping Cross Sections of Air, N2, Kr, CO2 and CH4 for Alpha Particles' <i>Health Phys.</i> , 12, 1475-80 (1966) <i>Comment</i> : S. 0.3-5 MeV He -> N2, Air, Kr, CO2, CH4	<b>1966-Kerr</b> 0793
<b>1968</b>	Hvelplund, P. 'Prisopgave' <i>Aarhus University P. 1-105 (In Danish) (1968)</i> <i>Comment</i> : S, dS. Many Ions (H-Hg) at 50-500 keV -> H, He, Ne, Ar, Kr, Xe, Air	<b>1968-Hvel</b> 0406
<b>1968</b>	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.</i> , 173, 390-405 (1968) <i>Comment</i> : S. 5-90 MeV 32S, 35Cl, 79Br, 127I -> H2, He, N2, Ar, Kr	<b>1968-Pier</b> 0354

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<b>1969</b>	Ramirez, J. J. Prior, R. M. Swint, J. B. Quinton, A. R. Blue, R. A. 'Energy Straggling of Alpha Particles through Gases' <i>Phys. Rev.</i> , 179, 310-14 (1969) <i>Comment</i> : S, dS. 1-3.5 MeV He -> He, Air, Ar, Kr, Xe	<b>1969-Rami</b> 0388
<b>1970</b>	Swint, J. B. Prior, R. M. Ramirez, J. J. 'Energy Loss of Protons in Gases' <i>Nucl. Inst. Methods</i> , 80, 134-40 (1970) <i>Comment</i> : S. 0.4-3.4 MeV H -> N2, Air, O2, Ne, Ar, Kr, CH4, CO2	<b>1970-Swin</b> 0403
<b>1971</b>	Bonderup, E. Hvelplund, P. 'Stopping Power and Energy Straggling of Swift Protons' <i>Phys. Rev. A</i> , 4, 562-69 (1971) <i>Comment</i> : S,dS. 100-500 keV H -> H2, He, Air, Ne, Ar, Kr	<b>1971-Bond</b> 0429
<b>1971</b>	Chu, W. K. Powers, D. 'Energy Loss of Alpha Particles in Noble Gases from 0.3 - 2.0 MeV' <i>Phys. Rev. B</i> , 4, 10-15 (1971) <i>Comment</i> : S. 0.3-2.0 MeV He -> He, Ne, Ar, Kr, Xe	<b>1971-Chu</b> 0675
<b>1971</b>	Dolle, F. Schultz, J. Chevallier, P. Sutter, G. 'Etude De Ralentissement Des Particules Alpha De 6.620 MeV Dans Des Absorbants Gazeux (Ne, Ar, Kr) Dans Les Domaine Des Faibles Pertes D'Energie.' <i>J. Physique</i> , 32, 397-403 (1971) <i>Comment</i> : S, dS. 6.62 MeV He -> Ne, Kr, Ar	<b>1971-Doll</b> 0680
<b>1971</b>	Hakim, M. Schafrir, N. H. ' <sup>252</sup> Cf Fission Fragment Energy Loss Measurements in Elementary Gases and Solids as Compared with Theory' <i>Can. J. Phys.</i> , 49, 3024-35 (1971) <i>Comment</i> : S. Fiss. Fragm. -> H2 D2, He, C, N2 O2, Ne, Al, Ar, Ni, Cu, Kr, Ag, Xe, Au	<b>1971-Haki</b> 0432
<b>1971</b>	Leon, J. Steiger-Shafrir, N. H. 'Range and Range Straggling of 97 keV <sup>224</sup> Ra Particles in Gases' <i>Can. J. Phys.</i> , 49, 1004-17 (1971) <i>Comment</i> : R, dR. 97 keV <sup>224</sup> Ra -> H2, He, N2, O2, Ne, Ar, Kr, Xe	<b>1971-Leon</b> 0446
<b>1973</b>	Al-Bedri, M. B. Harris, S. J. Sykes, D. A. 'The Dependence of Energy Straggling on the Atomic Number of Absorber' <i>Nucl. Inst. Methods</i> , 106, 241-43 (1973) <i>Comment</i> : dS. 5.2 MeV He -> He, Ne, Ar, Kr, CH4, CO2, N2, Air.	<b>1973-Al</b> 0472
<b>1975</b>	Al-Bedri, M. B. Harris, S. J. 'Energy Straggling of Fission Fragments in Gases and Solids' <i>Nucl. Inst. Methods</i> , 124, 125-130 (1975) <i>Comment</i> : dS. Cf Fiss. Frag. -> He, N, CO2, Ar, Kr, Ne, Air, Al, Ag, Cu, Au, CH4, Tissue Eq. Gas	<b>1975-Al</b> 1273

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<b>1977</b>	Andersen, H. H. Besenbacher, F. Knudsen, H. 'Stopping Power and Stragglings of 65 - 500 keV Lithium Ions in H <sub>2</sub> , He, CO <sub>2</sub> , N <sub>2</sub> , O <sub>2</sub> , Ne, Ar, Kr, and Xe' <i>Nucl. Inst. Methods, (1977) -b</i> <i>Comment : S, dS. 65 - 500 keV Li -&gt; H<sub>2</sub>, He, CO<sub>2</sub>, N<sub>2</sub>, O<sub>2</sub>, Ne, Ar, Kr, Xe</i>	<b>1977-Ande4</b> 0930
<b>1977</b>	Besenbacher, F. 'Stopping Power and Stragglings for H and He Ions in Gas Targets' <i>Specialeopgave. Aarhus University (1977)</i> <i>Comment : S. dS. 20-500 keV H, He -&gt; H, He N, O, Ne, Ar, Kr, Xe, CO<sub>2</sub></i>	<b>1977-Bese</b> 0954
<b>1977</b>	Besenbacher, F. Heinmeier, J. Hvelplund, P. Knudsen, H. 'Energy-Loss Stragglings for Protons and Helium Ions' <i>Phys. Letters, 61A, 75-77 (1977)</i> <i>Comment : dS. 50-500 keV/Nucleon H, He -&gt; Kr, N, He</i>	<b>1977-Bese2</b> 1025
<b>1978</b>	Andersen, H. H. Besenbacher, F. Knudsen, H. 'Stopping Power and Stragglings 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) -&gt; H, He, CO<sub>2</sub>, N, O, Ne, Ar, Kr, Xe</i>	<b>1978-Ande</b> 1492
<b>1978</b>	Hanke, C. C. Laursen, J. 'Stopping Cross Sections for Alpha Particles from 1.0 to 8.5 MeV in H <sub>2</sub> , He, N <sub>2</sub> , O <sub>2</sub> , Ne, Kr, and Xe.' <i>Nucl. Inst. Methods, 151, 253-260 (1978)</i> <i>Comment : S. 1.0 - 8.5 MeV He -&gt; H, He, N, O, Ne, Kr, Xe.</i>	<b>1978-Hank</b> 1082
<b>1979</b>	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 -&gt; H<sub>2</sub>, He, N<sub>2</sub>, O<sub>2</sub>, CO<sub>2</sub>, Ne, Ar, Kr, Xe</i>	<b>1979-Bese</b> 1160
<b>1979</b>	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 -&gt; Gases (Review Of Current Data)</i>	<b>1979-Denn</b> 1193
<b>1980</b>	Besenbacher, F. Andersen, J. U. Bonderup, E. 'Stragglings in Energy Loss of Energetic Hydrogen and Helium Ions' <i>Nucl. Inst. Methods, 168, 1 (1980)</i> <i>Comment : R, dR. 0-600 keV H, He -&gt; Ar, Ne, Kr, Xe, Ni, Au, Ag, Al</i>	<b>1980-Bese</b> 1353
<b>1981</b>	Fukuda, A. 'Stopping Powers in Rare Gases for 40-200 keV Rare-Gas Ions' <i>J. Phys. B, Atom. and Molec. Phys.,14, 4533-4544 (1981)</i> <i>Comment : S. He, Ne, Ar, Kr (40-200 keV) -&gt; He, Ne, Ar, Kr, Xe (Note: stopping for ions of zero deflection)</i>	<b>1981-Fuku</b> 1411

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<b>1982</b>	Geissel, H. Laichter, Yl 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 -&gt; 17 Solids and 5 Gases</i>	<b>1982-Geis</b> 1417
<b>1983</b>	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) -&gt; H, He, N, O, Ne, Ar, Kr, Xe</i>	<b>1983-Baum</b> 1614
<b>1983</b>	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) -&gt; H2, He, N2, O2, Ne, Ar, Kr, Xe, CH4 and CO2</i>	<b>1983-Baum3</b> 1450
<b>1983</b>	Laichter, Y. Shafrir, 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) -&gt; H, D, He, N, O, Ne, Ar, Kr, Xe</i>	<b>1983-Laic</b> 1696
<b>1988</b>	Geissel, H. Laichter, Y. Schneider, W. F. W. Armbruster, P. 'Observation of a Gas-Solid Difference in the Stopping Powers of 1-10 MeV/amu Heavy Ions' <i>Phys. Letters, 88A, 26 (1988)</i> <i>Comment : S. Kr, Xe, Pb, U (1-10 MeV/amu) -&gt; Ti, Ar, Zr, Kr. Gas/Solid stopping differences.</i>	<b>1988-Geis</b> 1969
<b>1988</b>	Herault, J. Bimbot, R. Gauvin, H. Anne, R. Bastin, G. 'Interaction of 20-100 MeV/amu Heavy Ions with Cold Matter' <i>J. Physique Coll., 49C, 7-33 (1988)</i> <i>Comment : S. O, Ar, Ca, Kr, Mo, Xe (24-95 MeV/amu) -&gt; Ne, Ar, Kr, Xe, CH4, C4H10, N, CO2, CF4, Be, Al, Si, Ti, Ni, Cu, Ag, Ta, Au</i>	<b>1988-Hera</b> 1972
<b>1989</b>	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) -&gt; H, He, N, O, Ne, Ar, Kr, Xe (11 gases)</i>	<b>1989-Bimb</b> 1934
<b>1989</b>	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) -&gt; H, He, N, O, Ne, Ar, Kr, Xe (12 gases)</i>	<b>1989-Bimb2</b> 1935

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<b>1989</b>	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) -&gt; 10 Gases, 12 Solids</i>	<b>1989-Bimb3</b> 1936
<b>1990</b>	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) -&gt; H, He, N, O, Ne, Ar, Kr, Xe, CH4</i>	<b>1990-Reit</b> 1933
<b>1991</b>	Herault, J. Bimbot, R. Gauvin, H. Kubica, B. Anne, R. 'Stopping Powers of Gases for Heavy Ions (O, Ar, Kr, Xe) at Intermediate Energy (20-100 MeV.amu). Vanishing of the Gas-Solid Effect' <i>Nucl. Inst. Methods, B61, 156-166 (1991)</i> <i>Comment : S. O, Ar, Kr, Xe (20-85 MeV/amu) -&gt; He, O, N, (11 gases)</i>	<b>1991-Hera</b> 1908
<b>1993</b>	Novkovic, D. Subotic, K. Milosevic, Z. Manic, S. Stojanovic, M. 'Alpha Particle Energy Straggling Measurements in Nobel Gases' <i>J. Moscow Phys. Soc. (UK), 3, 215-220 (1993)</i> <i>Comment : dS. He(8.8 MeV) -&gt; He, Ne, Ar, Kr, Xe</i>	<b>1993-Novk</b> 2077
<b>1993</b>	Price, J. L. Simons, D. G. Stern, S. H. Land, D. J. Guardala, N. A. 'Stopping Powers of the Noble Gases for 0.3-10.0 MeV Nitrogen Ions' <i>Phys. Rev. A, 47, 2913-2918 (1993)</i> <i>Comment : S. N (0.3-10.0 MeV) -&gt; He, Ne, Ar, Kr, Xe</i>	<b>1993-Pric</b> 1873
<b>1996</b>	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) -&gt; H, N, O, N, Ar, Kr, Xe</i>	<b>1996-Bimb</b> 1828
<b>1996</b>	Fukuda, A. 'Stopping Powers of the Rare Gases for 50-200 keV N+ Ions' <i>J. Phys. B, 29, 3717-3725 (1996)</i> <i>Comment : S. N (50-200 keV) -&gt; He, Ne, Ar, Kr, Xe,</i>	<b>1996-Fuku</b> 1642
<b>2000</b>	Bimbot, R. Khoumri, A. Fahli, A. Barbey, S. Benfoughal, T. 'Stopping Powers of Gases for 40 MeV/u Tellurium Ions' <i>Nucl. Inst. Methods, B170, 329-335 (2000)</i> <i>Comment : S. Te -&gt; H, He, N, Ne, Kr</i>	<b>2000-Bimb</b> 3112
<b>2002</b>	Geissel, H. Weick, H. Scheidenberger, C. Bimbot, R. Gardes, D. 'Experimental Studies of Heavy-Ion Slowing Down in Matter' <i>Nucl. Inst. Methods, B195, 3-54 (2002)</i> <i>Comment : S. Summary of 18 Heavy Ion Stopping in 26 Targets</i>	<b>2002-Geis</b> 3141