

# Citations for Target : **N**

<b>Pub. Year</b>	<b>Authors, Title, Journal Citation and Comments</b>	<b>Citation Numb</b>
<b>1926</b>	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> <i>Comment : R. 5.3 MeV He -&gt; Air, H2, H2O, CH4, N2, O2, CO, CO2, SO, SO2, CH3Br. Tracks In Cloud-Chamber.</i>	<b>1926-Meit</b> 0090
<b>1927</b>	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> <i>Comment : S. He (2-7 MeV) -&gt; H, He, N, O, Ne, Ar, CH2. Early stopping paper- values based on differential of range/ionization measurements.</i>	<b>1927-Gibs</b> 1577
<b>1932</b>	Mader, M. 'Reichweite und Gesamt-Ionisation von Alpha-Strahlen in Gasen' <i>Z. Physik, 77, 601-15 (1932)</i> <i>Comment : R. 5.3 MeV He -&gt; Air, CO2, N2, O2. Ionization Extrapolated Ranges, Not Mean Ranges.</i>	<b>1932-Made</b> 0082
<b>1939</b>	Schmieder, K. 'Bremsvermogen und Tragerbildung der Alpha-Strahlen in Gasen' <i>Ann. Physik, 35, 445-64 (1939)</i> <i>Comment : R. 5.3 MeV He -&gt; Air, N2, O2, NO, N2O, NO2, CO, CO2, CH4, C2H4, Ne, Ar, Kr, N2+O2, N2+2O2, 2N2+O2</i>	<b>1939-Schm</b> 0112
<b>1944</b>	Gray, L. H. 'The Ionization Method of Measuring Neutron Energy' <i>Proc. Comb. Phil. Soc., 40, 72-102 (1944)</i> <i>Comment : S. H, He (.25 -8 MeV) -&gt; He, N, O, Ne, Ar, Air. Early paper on stopping and ionization effects of charged particles.</i>	<b>1944-Gray</b> 1578
<b>1948</b>	Cornog, I. C. Franzen, W. Stephens, W. E. 'Range of Protons from N14(n,p)C14' <i>Phys. Rev., 74, 1-4 (1948)</i> <i>Comment : R. 561 keV H -&gt; N2</i>	<b>1948-Corn</b> 0039
<b>1949</b>	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 -&gt; H2, N2, O2, N2O, CO2, H2S, Hydrocarbons</i>	<b>1949-Hatf</b> 0065
<b>1952</b>	Evans, G. E. Barnett, C. F. Stier, P. M. DeRito, V. L. 'Extrapolated Ionization Ranges of Ions Heavier Than Protons' <i>ORNL-1278, 17-21 (1952)</i> <i>Comment : R. (50-300 keV) H, He, N, Ne, Ar -&gt; He, N2, Ar, Air</i>	<b>1952-Evan</b> 0057

# Citations for Target : **N**

<b>Pub. Year</b>	<b>Authors, Title, Journal Citation and Comments</b>	<b>Citation Numb</b>
<b>1952</b>	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 -&gt; H2, C, N2, O2, Cl2</i>	<b>1952-Thom</b> 0147
<b>1953</b>	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 -&gt; H2, Ar, Air, N2, CO, CH4, O2 . Ionization Ranges.</i>	<b>1953-Cook</b> 0762
<b>1953</b>	Evans, G. E. Stier, P. M. Barnett, C. F. 'The Stopping of Heavy Ions in Gases' <i>Phys. Rev., 90, 825-32 (1953)</i> <i>Comment : R. 20-250 keV He, N, Ne, Ar -&gt; He, N2, Ar, Air</i>	<b>1953-Evan</b> 0048
<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>1955</b>	Riezler, U. Rudloff, A. 'Ionisation und Energieverlust von Alpha-Teilchen in Verschiedenen Gasen' <i>Ann. Physik, 18, 224-245 (1955)</i> <i>Comment : R. S Rel. To Air. 5.3 MeV He -&gt; He, Ne, Ar, Kr, Xe, H2, N2, O2, NH3, CO, CO2, NO, N2O, CH4, C2H6, C3H8, C4H10</i>	<b>1955-Riez</b> 0567
<b>1959</b>	Harvey, B. G. Donovan, P. F. Morton, J. R. 'Range Energy Relation for Heavy Atoms' <i>UCRL Rpt. 8618, 17-20 (1959)</i> <i>Comment : R. 725 keV 226Th -&gt; H2, D2, He, N2, Ar</i>	<b>1959-Harv</b> 0145
<b>1959</b>	Valyocsik, E. W. 'Range and Range Straggling of Heavy Recoil Atoms' <i>UCRL Rpt. 8855 (1959)</i> <i>Comment : R, dR. (90-725 keV) Ra, Th -&gt; N2, H2, D2, He, Ne, Ar; Po (80 keV) -&gt; 209Bi</i>	<b>1959-Valy</b> 0144
<b>1960</b>	Kushnir, Yu. M. Kabanov, A. N. Krumiakova, L. N. 'Measurement of Energy Loss in Gases of 70 keV Lithium Ions by an Electrostatic Analyser' <i>Radioteknika I. Elek. (USSR), 5, (1960). [Engl. Trans. Rad. Eng. Elect. Phys., 5, 197- (1960)</i> <i>Comment : S. 70 keV Li -&gt; He, Ar, N2, O2</i>	<b>1960-Kush</b> 0776

# Citations for Target : **N**

Pub. Year	Authors, Title, Journal Citation and Comments	Citation Numb
<b>1961</b>	Riezler, W. Schepers, H. 'Ionisation und Energieverlust von Alpha-Teilchen in Verschiedenen Gasen' <i>Ann. Physik, 8, 270-277 (1961)</i> <i>Comment : R. S Rel. To Air 8.78 MeV He -&gt; Air, He, Ne, Ar, Kr, H2, N2, O2, CO, CO2, CH4, C2H6, C3H8, C4H10</i>	<b>1961-Riez</b> 0568
<b>1962</b>	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 -&gt; H2, D2, He, Ar, N, Cu; 3.9 MeV F -&gt; N</i>	<b>1962-Bryd</b> 0156
<b>1962</b>	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) -&gt; H, He, N, Ar</i>	<b>1962-Mart</b> 0148
<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., 129, 2591-96 (1963)</i> <i>Comment : R, S. 0.2-2.73 MeV T -&gt; N2, Al, Ar, Ni, Kr, Xe.</i>	<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, 136, 1298-1305 (1964)</i> <i>Comment : R. 6-21 MeV Dy -&gt; He, N2, Ne, Ar, Kr, Xe</i>	<b>1964-Gila</b> 0185
<b>1964</b>	Lassen, N. O. RoyPoulsen, 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 -&gt; H2, D2, Ne, Ar, He, N2</i>	<b>1964-Lass</b> 0311
<b>1965</b>	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 -&gt; H2, He, CH4, N2, CO2</i>	<b>1965-Alli</b> 0370
<b>1965</b>	Axtmann, R. C. Sears, J. T. 'Energy Loss by Fission Fragments in Nitrogen' <i>Nucl. Sci. Eng., 23, 299-305 (1965)</i> <i>Comment : S. Fission fragments (Cf-252) -&gt; N.</i>	<b>1965-Axtm</b> 1601
<b>1965</b>	Boring, J. W. Strohl, G. E. Woods, F. R. 'Total Ionization in Nitrogen by Heavy Ions of Energies 25 to 50 keV' <i>Phys. Rev. A, 140, 1065-69 (1965).</i> <i>Comment : S. 25-50 keV H, He, C, N, O, Ar -&gt; N2</i>	<b>1965-Bori</b> 0229

# Citations for Target : **N**

Pub. Year	Authors, Title, Journal Citation and Comments	Citation Numb
<b>1965</b>	LiuCheng, H. C. 'Range Energy Measurements in Gases' <i>Ph.D. Thesis. University of Southern California (1965)</i> <i>Comment : R. 2-8 MeV He -&gt; N2, O2, Air, Ar</i>	<b>1965-LiuC</b> 0901
<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., 12, 1475-80 (1966)</i> <i>Comment : S. 0.3-5 MeV He -&gt; N2, Air, Kr, CO2, CH4</i>	<b>1966-Kerr</b> 0793
<b>1966</b>	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 -&gt; H, He, N, O, Ar, Xe</i>	<b>1966-Maso</b> 0282
<b>1966</b>	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. -&gt; H2, D2, Mylar, N2</i>	<b>1966-Mula</b> 0259
<b>1966</b>	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 -&gt; H2, D2, He, N2, Ne, Ar</i>	<b>1966-Niel</b> 0396
<b>1966</b>	Rotondi, E. 'Bragg's Additivity Law of Stopping Power for 5 MeV Alpha Particles in O2, N2, CO2, Co, NH3 and Hydrocarbon Gases' <i>NRC Canada Report No. NRC-9076 P. 1-6 (1966)</i> <i>Comment : S. 5 MeV He -&gt; N2, O2, CO, CO2, NH3, Hydrocarbons</i>	<b>1966-Roto</b> 0438
<b>1967</b>	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 -&gt; Ar, Ne, O2, N2, CH4, He, H2</i>	<b>1967-Wiee</b> 0296
<b>1968</b>	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 -&gt; Al, Fe, Ni, Ar, Ne, O2, N2, CH4, He, H2, CuO, Al2O3</i>	<b>1968-Bier</b> 0332
<b>1968</b>	Ormrod, J. H. 'Low-Energy Electronic Stopping Cross Sections in Nitrogen and Argon' <i>Can. J. Phys., 46, 497-502 (1968)</i> <i>Comment : S. (5-200 keV) H, D, He, B, C, N, O, F, Ne -&gt; N, Ar</i>	<b>1968-Ormr</b> 0342

# Citations for Target : **N**

Pub. Year	Authors, Title, Journal Citation and Comments	Citation Numb
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.</i> , 173, 390-405 (1968) <i>Comment</i> : S. 5-90 MeV 32S, 35Cl, 79Br, 127I -> H2, He, N2, Ar, Kr	1968-Pier 0354
	Rotondi, E. 'Energy Loss of Alpha Particles in Tissue' <i>Rad. Res.</i> , 33, 1-9 (1968) <i>Comment</i> : S. 0.L-5.3 MeV He -> N2, O2, CH4, CO2	1968-Roto 0437
1970	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	1970-Swin 0403
	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</i> , 3, 3625-35 (1971) <i>Comment</i> : 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' <i>Phys. Rev. B</i> , 3, 3635-41 (1971) <i>Comment</i> : S. 0.3-2.0 MeV He -> H2, O2, N2, NH3, N2O, CO, CO2, Hydrocarbons	1971-Bour2 0440
	Hakim, M. Schafirir, N. H. '252Cf 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	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.</i> 26A, 592-95 (1971) <i>Comment</i> : S. 0.5-2.0 MeV He -> H2, D2, N2, Ar	1971-Hoye 0431
	Langley, R. A. 'Range-Energy Relations for Helium Ions and Protons in Ar, N2, O2, and Air (0.2 - 2.0 MeV).' <i>Phys. Rev. A</i> , 4, 1868-72 (1971) <i>Comment</i> : R. 0.2-2.0 MeV H, He -> N2, O2, Ar, Air. Ranges Deduced From Ionization.	1971-Lang 0457

# Citations for Target : **N**

Pub. Year	Authors, Title, Journal Citation and Comments	Citation Numb
<b>1971</b>	Leon, J. Steiger-Shafir, N. H. 'Range and Range Straggling of 97 keV 224Ra Particles in Gases' <i>Can. J. Phys.</i> , 49, 1004-17 (1971) <i>Comment</i> : R, dR. 97 keV 224Ra -> H2, He, N2, O2, Ne, Ar, Kr, Xe	1971-Leon 0446
<b>1971</b>	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
<b>1972</b>	Langley, R. A. 'Range-Energy Relations for N, Na, and Ar Ions (0.3 - 2.0 MeV) in Ar, N2, O2, and Air.' <i>Phys. Rev. A</i> , 6, 1863-69 (1972) <i>Comment</i> : R. 0.3-2.0 MeV N, Na -> Air; 0.3-1.0 MeV Ar -> Air, N2, O2, Ar	1972-Lang 0451
<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.	1973-Al 0472
<b>1973</b>	Schimmerling, W. Vosburgh, K. G. Todd, P. W. 'Measurements of Range in Matter for Relativistic Heavy Ions' <i>Phys. Rev. B</i> , 7, 2895-99 (1973) <i>Comment</i> : R.(40-270 MeV) N, Ne, Ar -> Polyethylene, Polymethylacrylat, Al, Cu, Pb	1973-Schi 0448
<b>1974</b>	Langley, R. A. 'Range-Energy Relations for C Ions and O Ions in N2, O2, and Tissue-Equivalent Gas' <i>Phys. Med. Biol.</i> , 19, 495-503 (1974) <i>Comment</i> : R, dR. (0.3-2.5 MeV) C, (0.5-5.0 MeV) O -> N2, O2, Tissue-Equivalent Gas	1974-Lang 1276
<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	1975-Al 1273
<b>1975</b>	Dose, V. Sele, G. 'Die Elektronische Bremsvermögen von Stickstoff und Sauerstoff Fur Niederenergetische Protonen' <i>Z. Physik A</i> , 272, 237-43 (1975) <i>Comment</i> : S. 7-30 keV H -> O2, N2	1975-Dose 0517

# Citations for Target : **N**

Pub. Year	Authors, Title, Journal Citation and Comments	Citation Numb
<b>1975</b>	Efken, B. Hahn, D. Hilscher, D. Wustefeld 'Energy Loss and Energy Loss Stragglng of N, Ne and Ar Ions in Thin Targets' <i>Nucl. Inst. Methods, 129, 219-225 (1975).</i> <i>Comment : S, dS. (10-15 MeV) N, Ne, Ar -&gt; N2, He, SFH, Ar, C, SF6,</i>	<b>1975-Efke</b> 0792
<b>1975</b>	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 -&gt; H2, N2, O2, H2S</i>	<b>1975-Lang</b> 0785
<b>1975</b>	Sidenius, G. Andersen, N. 'Multiple Scattering of keV Ions' Lateral Distributions in Argon and Nitrogen' <i>Nucl. Inst. Methods, 131, 387-389 (1975)</i> <i>Comment : dR (lateral). (50-180 keV) H, He, N, Ne, Ar -&gt; Ar, N, Xe</i>	<b>1975-Side</b> 1261
<b>1977</b>	Andersen, H. H. Besenbacher, F. Knudsen, H. 'Stopping Power and Stragglng of 65 - 500 keV Lithium Ions in H2, He, CO2, N2, O2, Ne, Ar, Kr, and Xe' <i>Nucl. Inst. Methods, (1977) -b</i> <i>Comment : S, dS. 65 - 500 keV Li -&gt; H2, He, CO2, N2, O2, Ne, Ar, Kr, Xe</i>	<b>1977-Ande4</b> 0930
<b>1977</b>	Besenbacher, F. 'Stopping Power and Stragglng 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, CO2</i>	<b>1977-Bese</b> 0954
<b>1977</b>	Besenbacher, F. Heinmeier, J. Hvelplund, P. Knudsen, H. 'Energy-Loss Stragglng 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 Stragglng 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, CO2, 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 H2, He, N2, O2, 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

# Citations for Target : **N**

Pub. Year	Authors, Title, Journal Citation and Comments	Citation Numb
<b>1978</b>	Sidenius, G. 'Systematic Range Measurements with Low Energy Heavy Particles in Gases' <i>Rad. Effects, 38, 3-13 (1978)</i> <i>Comment : R. 0.01 &lt; Epsilon &lt; 0.5 Rb, Cs, Fr -&gt; Ar, N2</i>	1978-Side 1095
<b>1978</b>	Sidenius, G. 'Systematic Range Measurements with Low Energy Heavy Particles in Gases' <i>Rad. Effects, 38, 3-13 (1978)</i> <i>Comment : R, dR. 20-120 keV Rb, Cs, Fr -&gt; Ar, N</i>	1978-Side2 1354
<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; H2, He, N2, O2, CO2, Ne, Ar, Kr, Xe</i>	1979-Bese 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>	1979-Denn 1193
<b>1979</b>	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' <i>Phys. Med. Biol., 24, 518-524 (1979)</i> <i>Comment : S. He (1.3-4.2 MeV) -&gt; N, H, CH4, C4H10, C3H6</i>	1979-Whil 1540
<b>1980</b>	Nguyen, V. D. Chemtob, M. Chary, J. Posny, F. Parmentier, N. 'Recent Experimental Results on W-Values (Average Energy Loss per Ion Pair) for Heavy Particles' <i>Phys. Med. Biol., 25 (3), 509-518 (1980)</i> <i>Comment : S. H, He, C, N, O, Ar (25-375 keV) -&gt; CH4, CO2, N2 (ionization chamber)</i>	1980-Nguy 1487
<b>1980</b>	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 -&gt; Al</i>	1980-Sofi 1378
<b>1980</b>	Thwaites, D. I. 'Stopping Cross Sections of Various Gases for Alpha Partifcles in the Energy Region 0.2-5.5 MeV' <i>Phys. Med. Biol., 25 (5), 865-875 (1980)</i> <i>Comment : S. He (0.2-5.5 MeV) -&gt; He, N, Ar, CH4, Air</i>	1980-Thwa 1489
<b>1982</b>	Borgesen, P. Chen, H. M. Sorensen, H. 'Stopping of 1-2 keV/amu Hydrogen Ions in Solid Nitrogen' <i>Nucl. Inst. Methods, 194, 71-74 (1982)</i> <i>Comment : S. H, D, T, (1-2 keV/amu) -&gt; N</i>	1982-Borg 2003



# Citations for Target : **N**

Pub. Year	Authors, Title, Journal Citation and Comments	Citation Numb
<b>1982</b>	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 -&gt; 17 Solids and 5 Gases</i>	<b>1982-Geis</b> 1417
<b>1982</b>	Laichter, Y. Geissel, H. Shafrir, N. H. 'On the Nuclear Charge and Atomic Mass of Attenuated Mean Fission Fragments' <i>Nucl. Inst. Methods, 194, 45-50 (1982)</i> <i>Comment : S. Fission Frag. (from Cr, U) -&gt; N, Ne, Ar, Cr, Xe</i>	<b>1982-Laic2</b> 2002
<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>1985</b>	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) -&gt; H, D, N, O, CO (solids and gases)</i>	<b>1985-Borg</b> 1500
<b>1987</b>	Reiter, G. Baumgart, H. Kniest, N. Pfaff, E. Clausnitzer, G. 'Proton and Helium Stopping Cross-Sections in N2, O2, NO and N2O' <i>Nucl. Inst. Methods, B27, 287-292 (1987)</i> <i>Comment : S. H, He (50-3000 keV) -&gt; N, O, N2O, NO</i>	<b>1987-Reit</b> 1439
<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

# Citations for Target : **N**

Pub. Year	Authors, Title, Journal Citation and Comments	Citation Numb
<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
	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
<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
	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
	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>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
	Cabrera-Trujillo, R. Ohrn, Y. Deumens, E. Sabin, J. R. 'Stopping Cross Section in the Low to Intermediate Energy Range: Study of Proton and Hydrogen Atom Collisions with Atomic N, O, and F' <i>Phys. Rev. A, 62, 052714-1 (2000)</i> <i>Comment : S. H, D (0 - 25 eV) -&gt; N, O, F</i>	<b>2000-Cabr</b> 2346
<b>2001</b>	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) -&gt; H, He, N, Ar, Ne, Xe, CH4, C4H10, CO2, CF4</i>	<b>2001-Diwa2</b> 2369

# Citations for Target : **N**

---

<i>Pub. Year</i>	<i>Authors, Title, Journal Citation and Comments</i>	<i>Citation Numb</i>		
<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>	<table border="1"><tr><td><b>2002-Geis</b></td></tr><tr><td>3141</td></tr></table>	<b>2002-Geis</b>	3141
<b>2002-Geis</b>				
3141				
<i>Comment : S. Summary of 18 Heavy Ion Stopping in 26 Targets</i>				

---