

Citations for Target : **Ne**

Pub. Year	Authors, Title, Journal Citation and Comments	Citation Numb
1924	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 -> He, Ne, O2, Ar, Kr, Xe</i>	1924-Bate 0010
1925	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 -> H2, He, O2, Ne, Ar, Kr, Xe Rel. To Air</i>	1925-Gurn 0061
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> <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>	1927-Gibs 1577
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
1934	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 -> He, Ne, Ar, Kr, Xe. All Rel. To Air</i>	1934-Naid 0093
1944	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) -> He, N, O, Ne, Ar, Air. Early paper on stopping and ionization effects of charged particles.</i>	1944-Gray 1578
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

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Pub. Year	Authors, Title, Journal Citation and Comments	Citation Numb
1954	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.</i> , 93, 413-18 (1954) <i>Comment</i> : S. 400-1050 keV H -> N2, Ne, Ar, Kr, Xe, Ni, Cu	1954-Chil 0032
1954	Reynolds, H. L. Scott, N. F. Zucker, A. 'Range and Charge of Energetic Nitrogen Ions in Nickel' <i>Phys. Rev.</i> , 95, 671-74 (1954) <i>Comment</i> : R. 8-29 MeV N -> Ni. Ranges Derived From Transmission Currents	1954-Reyn 0104
1955	Anianson, G. 'New Method for Measuring the Alpha-Particle Range and Straggling in Liquids' <i>Phys. Rev.</i> , 98, 300-02 (1955) <i>Comment</i> : R. 5.3 MeV He -> H2O, Various Hydrocarbon Liquids	1955-Ania 0003
1955	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	1955-Brol 0026
1955	Eyeions, D. A. Owen, B. G. Price, B. T. Wilson, J. G. 'The Ionization Loss of Relativistic Mu-Mesons in Neon' <i>Proc. Phys. Soc.</i> , 68, 793-800 (1955) <i>Comment</i> : S. 1.5-100 GeV/c Mu -> Ne	1955-Eyei 0069
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, H2, N2, O2, NH3, CO, CO2, NO, N2O, CH4, C2H6, C3H8, C4H10	1955-Riez 0567
1958	Schmitt, R. A. Sharp, R. A. 'Measurement of the Range of Recoil Atoms' <i>Phys. Rev. Letters</i> , 1, 445-47 (1958) <i>Comment</i> : R. (33-130 keV) C, F, Cl, Ti, Fe, Zn, Cu, Mo, Ag, Au -> Polystyvene, Teflon, Saran, Ti, Fe, Zn, Cu, Mo, Ag, Au	1958-Schm 0723
1959	Valyoosik, 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 -> N2, H2, D2, He, Ne, Ar; Po (80 keV) -> 209Bi	1959-Valy 0144
1960	Schambra, P. E. Rauth, A. M. Northcliffe, L. C. 'Energy Loss Measurements for Heavy Ions in Mylar and Polythene' <i>Phys. Rev.</i> , 120, 1758-61 (1960) <i>Comment</i> : S. 12-120 MeV C, 16-160 MeV O, 20-200 MeV Ne -> Mylar, Polyethylene	1960-Scha 0722

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1960	Schambra, P. E. Rauth, A. M. Northcliffe, L. C. 'Energy Loss Measurements for Heavy Ions in Mylar and Polyethylene' <i>Phys. Rev.</i> , 120 , 1758 (1960) <i>Comment</i> : S. He, B, Be, C, N, O, F, Ne (10 MeV/amu) -> Mylar, Polyethylene	1960-Scha2 1931
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, H2, N2, O2, CO, CO2, CH4, C2H6, C3H8, C4H10	1961-Riez 0568
1963	Jones, D. G. West, R. H. Wolfendale, A. W. 'The Rate of Energy Loss of Cosmic Ray Muons in a Neon-Methane Mixture' <i>Proc. Phys. Soc.</i> , 81 , 1137-39 (1963) <i>Comment</i> : S. 0.3-30 GeV/c Mu -> Ne + CH4	1963-Jone 0086
1964	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	1964-Gila 0185
1964	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.</i> , 34 , No. 5, 1-20 (1964) <i>Comment</i> : R. (50 keV) Na, Ga, Au -> H2, D2, Ne, Ar, He, N2	1964-Lass 0311
1965	Galaktionov, Y. U. Yech, F. A. Lyubimov, V. Z. 'Investigations of Fluctuations of Measurements of Particles Ionization Power in a Spark Chamber' <i>Nucl. Inst. Methods</i> , 33 , 353-54, (1965) <i>Comment</i> : dS. 600 MeV/c H, Pi -> Ne	1965-Gala 0514
1965	Schuler, R. H. 'Radiolysis of Benzene by Heavy Ions' <i>Trans. Faraday Soc.</i> , 61 , 100-109 (1965) <i>Comment</i> : S. 100 keV H, 500 keV He -> Benzene	1965-Schu 1161
1966	Nielsen, O 'Specialeopgave' <i>Niels Bohr Institute, University of Copenhagen</i> , Pp. 1-64 (1966) <i>Comment</i> : S, dS. 50 keV C, Na, Cl, K, Mn, Y, Zn, Ag, Hf, Lu, Hg, Bi -> H2, D2, He, N2, Ne, Ar	1966-Niel 0396
1967	Wiechmann, W. Biersack, J. 'Reichweiten von Radium - 224 - Ruckstoss-Atomen in Gasen' <i>Nukleonika</i> , 9 , 399-400 (1967) <i>Comment</i> : R, dR. 96 keV 224Ra -> Ar, Ne, O2, N2, CH4, He, H2	1967-Wiec 0296

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Pub. Year	Authors, Title, Journal Citation and Comments	Citation Numb
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	Cano, G. L. 'Total Ionization and Range of Low-Energy Recoil Particles in Pure and Binary Gases' <i>Phys. Rev., 169, 277-79 (1968)</i> <i>Comment : R. 103 keV 206Pb -> Ne, Ar, Xe, N2, Air, Hydrocarbons</i>	1968-Cano 0331
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
1970	Swint, J. B. Prior, R. M. Ramirez, J. J. 'Energy Loss of Protons in Gases' <i>Nucl. Inst. Methods, 80, 134-40 (1970)</i> <i>Comment : S. 0.4-3.4 MeV H -> N2, Air, O2, Ne, Ar, Kr, CH4, CO2</i>	1970-Swin 0403
1971	Bonderup, E. Hvelplund, P. 'Stopping Power and Energy Straggling 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
1971	Chu, W. K. Powers, D. 'Energy Loss of Alpha Particles in Noble Gases from 0.3 - 2.0 MeV' <i>Phys. Rev. B, 4, 10-15 (1971)</i> <i>Comment : S. 0.3-2.0 MeV He -> He, Ne, Ar, Kr, Xe</i>	1971-Chu 0675
1971	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, 32, 397-403 (1971)</i> <i>Comment : S, dS. 6.62 MeV He -> Ne, Kr, Ar</i>	1971-Doll 0680
1971	Hakim, M. Schafrir, 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

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Pub. Year	Authors, Title, Journal Citation and Comments	Citation Numb
1971	Hvelplund, P. 'Energy Loss and Stragglings of 100-500 keV Atoms with $Z_1 \leq 12$ 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 Stragglings of 97 keV ^{224}Ra Particles in Gases' <i>Can. J. Phys., 49, 1004-17 (1971)</i> <i>Comment : R, dR. 97 keV ^{224}Ra -> H2, He, N2, O2, Ne, Ar, Kr, Xe</i>	1971-Leon 0446
1971	Leon, J. Steiger-Shafir, N. H. 'Investigation of Nuclear Stopping Mechanism by Heavy Particle Range Measurements in Isotopic Media' <i>Can. J. Phys., 49, 2106-17 (1971)</i> <i>Comment : R. 97 keV Ra -> H, D, T, He, N, N, O, Ne</i>	1971-Leon2 0447
1971	Pierson, W. R. Kummer, J. T. Brachuczek, W. 'Ranges of Recoil Atoms from the (n,gamma) Process' <i>Phys. Rev. B, 4, 2846-53 (1971)</i> <i>Comment : R. About 50 eV Au -> D, He, Ne, Ar, Xe</i>	1971-Pier 0458
1973	Al-Bedri, M. B. Harris, S. J. Sykes, D. A. 'The Dependence of Energy Stragglings on the Atomic Number of Absorber' <i>Nucl. Inst. Methods, 106, 241-43 (1973)</i> <i>Comment : dS. 5.2 MeV He -> He, Ne, Ar, Kr, CH4, CO2, N2, Air.</i>	1973-Al 0472
1973	Schimmerling, W. Vosburgh, K. G. Todd, P. W. 'Measurements of Range in Matter for Relativistic Heavy Ions' <i>Phys. Rev. B, 7, 2895-99 (1973)</i> <i>Comment : R.(40-270 MeV) N, Ne, Ar -> Polyethylene, Polymethylacrylat, Al, Cu, Pb</i>	1973-Schi 0448
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., 25, 67-71 (1973)</i> <i>Comment : S. (2.5-6 MeV) He -> H2, Ne, He, C2H6, C3H8, C4H10</i>	1973-Weng 0828
1974	Lagerlund, T. A. Blecher, B. Gotow, K. Keller, R. Lam, W. C. 'Range and Multiple-Scattering Measurements of Low-Energy Muons' <i>Nucl. Inst. Methods, 120, 521-24 (1974)</i> <i>Comment : R. 9-25 MeV Mu^+ -> Al, Steel, Polyethylene</i>	1974-Lage 0635
1975	Al-Bedri, M. B. Harris, S. J. 'Energy Stragglings of Fission Fragments in Gases and Solids' <i>Nucl. Inst. Methods, 124, 125-130 (1975)</i> <i>Comment : dS. Cf Fiss. Frag. -> He, N, CO2, Ar, Kr, Ne, Air, Al, Ag, Cu, Au, CH4, Tissue Eq. Gas</i>	1975-Al 1273

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1976	Helmbold, M. E. 'Energieverlust und Lichtausbeute Bei Axialem Channeling von Alpha-Teilchen in Anthrazen' <i>Z. Physik A, 278, 9-14 (1976)</i> <i>Comment : S, dS. 6.05, 8.78 MeV He -> Anthracene</i>	1976-Helm 0893
1976	Whillock, M. J. Edwards, A. A. 'Measurements of the Stopping Cross Sections of Ethylene and Polyethylene Using Alpha Particles in the Energy Range 1.5-4.2 MeV' <i>EuroAtom Rpt. 5629, 115-120 (1976)</i> <i>Comment : S. He (1.5-4.2 MeV) -> Ethylene, Polyethylene</i>	1976-Whil 1586
1977	Andersen, H. H. Besenbacher, F. Knudsen, H. 'Stopping Power and Stragglng 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	Bednyakov, A. A. Bulgakov, U. V. Nikolaev, V. S. Sobakin, V. P. Chernov, V. L. 'The Energy Stragglng of Hydrogen and Helium Ions in Aluminum and Polystyrene' <i>Phys. Letters, 62A, 183-184 (1977)</i> <i>Comment : dS. 0.1-4.0 MeV H, He -> Al, Polystyrene</i>	1977-Bedn 1024
1977	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 -> H, He N, O, Ne, Ar, Kr, Xe, CO₂</i>	1977-Bese 0954
1978	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) -> H, He, CO₂, N, O, Ne, Ar, Kr, Xe</i>	1978-Ande 1492
1978	Chau, E. K. L. Powers, D. 'Measurement of Molecular Stopping Cross Sections of Aldehydes and Ketones and Calculation of the Atomic Stopping Cross Section of Oxygen in Ring-Structure C-H-O Compounds' <i>J. Appl. Phys., 49, 2611-15 (1978)</i> <i>Comment : S. 0.3 - 2.0 MeV He -> Butyraldehyde, Acetone, 2-Butanone, 3-Pentanone</i>	1978-Chau 1084
1978	Dopheide, D. 'Calculated Measured Scintillation Response of Alpha-Particles in Planar Channeling- and Blocking-Experiments with Anthracene Single Crystals' <i>Z. Physik A, 288, 365-368 (1978)</i> <i>Comment : S, dS. 6-8 MeV 4He -> Anthracene</i>	1978-Doph 1248

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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
1978	Porter, L. E. Naylor, H. Duder, J. C. 'Stopping Power of Polystyrene for 2.2 to 5.9 MeV Protons.' <i>Nucl. Inst. Methods, 155, 25-28 (1978)</i> <i>Comment : S. 2.2-5.9 MeV H -> Polystyrene</i>	1978-Port 1158
1978	Schmidt-Bocking, H. Hornung, H. 'Energy Straggling of Cl Ions in Gases' <i>Z. Physik A, 286, 253-261 (1978)</i> <i>Comment : dS. 9.4, 17.1, 27.1, 39.4 MeV Cl -> Ar-CH₄, Isobutane</i>	1978-Schm 1246
1978	Whillock, M. J. Edwards, A. A. 'Comparison of the Stopping Cross Sections of Ethylene and Polyethylene Using Alpha Particles in the Energy Range 1.5-4.2 MeV' <i>Phys. Med. Biol., 23, 416-425 (1978)</i> <i>Comment : S. He (1.5-4.2 MeV) -> Ethylene, Polyethylene. Gas/solid stopping effects.</i>	1978-Whil 1538
1979	Aframian, A. 'Dependence of the Stopping Power of Charged Particles in the Physical State of Organic Dielectric Compounds' <i>Appl. Phys., 19, 353-358 (1979)</i> <i>Comment : S. He, Ar, Kr (1-40 MeV/amu) -> Cell-Nitrate, Polyethylene, Polystyrene, Mylar, Melinex</i>	1979-Afra 1252
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	Bednyakov, A. A. Bulgakov, Y. V. Nikolaev, V. S. Chernov, V. L. 'Energy Losses and their Stragglings for H and He Ions with Energies of Several Hundreds of keV on Passage through Metal and Polystyrene Films' <i>Sov. Phys., JETP 51, 954 (1980)</i> <i>Comment : S, dS. H, He (120-1300 keV) -> Al, Cu, Ag, Au, polystyrene</i>	1980-Bedn 1615
1980	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 -> Ar, Ne, Kr, Xe, Ni, Au, Ag, Al</i>	1980-Bese 1353
1980	Haque, A. K. M. M. Nikjoo, H. Mohammadi, A. 'The Stopping Power and Stragglings of Energy Loss for Alpha Particles in Liquids and Their Vapours and for Protons in Thin Polymer Films' <i>Proc. 7th Sym. Microdosimetry, EurAtom Rpt. 7147, 179-190 (1980)</i> <i>Comment : S,R. H (340 keV) -> Polyethylene, CH2. Liquid and gas stopping. Difficult paper to understand.</i>	1980-Haqu 1542
1980	Sofield, C. J. Cowern, N. E. B. Freeman, J. M. 'Charge-Exchange Effects in Energy-Loss Stragglings' <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
1981	Bednyakov, A. A. Bulgakov, Y. V. Nikolaev, V. S. Chernov, V. L. 'Energy Stragglings of Hydrogen and Helium Ions in Al, C, and Polystyrene at Energies of Tens and Hundreds keV/amu' <i>Phys. Stat. Sol. A, 68, 187 (1981)</i> <i>Comment : S, dS. H, He (70-1200 keV) -> Al, C, Polystyrene</i>	1981-Bedn 1958
1981	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) -> He, Ne, Ar, Kr, Xe (Note: stopping for ions of zero deflection)</i>	1981-Fuku 1411
1982	Ishiwari, R. Shiomi, N. Sakamoto, N. 'Geometric Effect on the Measurement of Stopping Power: Angular Dependent Energy Loss of 7 MeV Protons in Metallic and Organic Thin Foils' <i>Phys. Rev. A, 25, 2524 (1982)</i> <i>Comment : S. H (7 MeV) -> Be, Al, Ag, Mylar, Cellophane (Angular effects)</i>	1982-Ishi2 1676
1982	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) -> N, Ne, Ar, Cr, Xe</i>	1982-Laic2 2002

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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
1983	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. 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) -> H, D, He, N, O, Ne, Ar, Kr, Xe</i>	1983-Laic 1696
1984	Powers, D. Olson, H. G. Gowda, R. 'Molecular Stopping Powers and Effect of Chemical Bonding in Gaseous Amine Compounds' <i>J. Appl. Phys., 55 (5), 1274-1277 (1984)</i> <i>Comment : S. He (0.3-2.0 MeV) -> Amine compounds (gases)</i>	1984-Powe 1412
1988	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) -> Ne, Ar, Kr, Xe, CH4, C4H10, N, CO2, CF4, Be, Al, Si, Ti, Ni, Cu, Ag, Ta, Au</i>	1988-Hera 1972
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
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

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Pub. Year	Authors, Title, Journal Citation and Comments	Citation Numb		
1989	<p>Haque, A. K. M. M. Mohammadi, A. Nikjoo, H. 'Stopping Power for Low Energy Protons' <i>J. Phys. D, 22, 1196-1204 (1989)</i></p> <p><i>Comment : S, dS. H (20-400 keV) -> Hydrocarbons such as ethylene, propylene, styrene, etc. Solid vs. Gas phase effects + straggling</i></p>	<table border="1"> <tr> <td>1989-Haqu</td> </tr> <tr> <td>2187</td> </tr> </table>	1989-Haqu	2187
1989-Haqu				
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1990	<p>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></p> <p><i>Comment : S, H, He (0.7-3.0 MeV) -> H, He, N, O, Ne, Ar, Kr, Xe, CH₄</i></p>	<table border="1"> <tr> <td>1990-Reit</td> </tr> <tr> <td>1933</td> </tr> </table>	1990-Reit	1933
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1933				
1991	<p>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></p> <p><i>Comment : S, He (0.5-5.5 MeV) -> H₂O, methanol, ethanal, other organic compounds. Stopping in liquid and Vapor states.</i></p>	<table border="1"> <tr> <td>1991-Haqu</td> </tr> <tr> <td>2186</td> </tr> </table>	1991-Haqu	2186
1991-Haqu				
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1991	<p>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></p> <p><i>Comment : S, O, Ar, Kr, Xe (20-85 MeV/amu) -> He, O, N, (11 gases)</i></p>	<table border="1"> <tr> <td>1991-Hera</td> </tr> <tr> <td>1908</td> </tr> </table>	1991-Hera	1908
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1991	<p>Santry, D. C. Werner, R. D. 'Measured Stopping Powers of C-12 and N-14 Ions in Thin Elemental Foils' <i>Nucl. Inst. Methods, B53, 7-14 (1991)</i></p> <p><i>Comment : S, C, N (0.2-2.0 MeV) -> Be, C, Al, Si, Ne, Ag, Au</i></p>	<table border="1"> <tr> <td>1991-Sant</td> </tr> <tr> <td>1916</td> </tr> </table>	1991-Sant	1916
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1993	<p>Balanzat, E. Bouffard, S. Le Moel, A. Betz, N. 'Physico Chemical Modification Induced in Polymers by Swift Heavy Ions' <i>Nucl. Inst. Methods, B91, 140-145 (1994)</i></p> <p><i>Comment : S, C, Ar, Kr (3-6 MeV/amu) -> Polyethylene, PVDF.</i></p>	<table border="1"> <tr> <td>1993-Bala</td> </tr> <tr> <td>2042</td> </tr> </table>	1993-Bala	2042
1993-Bala				
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1993	<p>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></p> <p><i>Comment : dS. He(8.8 MeV) -> He, Ne, Ar, Kr, Xe</i></p>	<table border="1"> <tr> <td>1993-Novk</td> </tr> <tr> <td>2077</td> </tr> </table>	1993-Novk	2077
1993-Novk				
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1993	<p>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></p> <p><i>Comment : S, N (0.3-10.0 MeV) -> He, Ne, Ar, Kr, Xe</i></p>	<table border="1"> <tr> <td>1993-Pric</td> </tr> <tr> <td>1873</td> </tr> </table>	1993-Pric	1873
1993-Pric				
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Citations for Target : **Ne**

Pub. Year	Authors, Title, Journal Citation and Comments	Citation Numb
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	Auth, C. Winter, H. 'Impact Parameter Dependence of the Energy Loss of Fast Protons in Single Collisions with Noble Gas Atoms' <i>Nucl. Inst. Methods, B93, 123-131 (1994)</i> <i>Comment : S. H (50-250 keV) -> He, Ne Ar</i>	1994-Auth 1854
1994	Wallace, W. E. Rathman, J. B. Composto, R. J. 'The Stopping Power of 1-3 MeV H and He in Polystyrene' <i>Nucl. Inst. Methods, B84, 1-4 (1994)</i> <i>Comment : S. H, He (1-3 MeV) -> Polystyrene</i>	1994-Wall2 2050
1995	Abel, F. Quillet, V. Schott, M. 'Degradation of Polystyrene Thin Films under D, He and C Irradiation, Studied by Ion Beam Analysis: Effects of Energy Loss, Sample Thickness and Isotopic Content' <i>Nucl. Inst. Methods, B105, 86-90 (1995)</i> <i>Comment : S. H, D, He, C (150-2500 keV) -> Polystyrene (</i>	1995-Abel 2035
1995	LeBlanc, L. Ross, G. G. Wallace, W. E. 'Measured Stopping Powers of Hydrogen and Helium in Polystyrene near their Maximum Values' <i>Nucl. Inst. Methods, 95, 457-462 (1995)</i> <i>Comment : S. H, He (.04 - 300 keV/amu) -> Polystyrene</i>	1995-LeBl 1849
1996	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) -> He, Ne, Ar, Kr, Xe,</i>	1996-Fuku 1642
1997	Eder, K. Semrad, D. Bauer, P. Golser, R. Echenique, P. M. 'Absence of a "Threshold Effect" in the Energy Loss of Slow Protons Traversing Large Band-Gap Insulators' <i>Phys. Rev. Lett., 79, 4112-4115 (1997)</i> <i>Comment : S. H (2 - 800 keV) -> Al2O3, SiO2, LiF, Ne</i>	1997-Eder 2363
1999	Munnik, F. Vakevainen, K. Raisanen, J. Watjen, U. 'Stopping Power Measurements of 0.5-10.5 MeV Li-7 Ions in Polyimide, Vyns, Formvar and Polysulfone' <i>L. Appl. Phys., 86, 3934-3938 (1999)</i> <i>Comment : S. Li -> polyimide, vyns, formvar, polysulfone</i>	1999-Munn 2334

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Pub. Year	Authors, Title, Journal Citation and Comments	Citation Numb
1999	Porter, L. E. 'Values of modified Bethe-Bloch Stopping Power Parameters for Polysulfone extracted from Stopping Power Measurements with Light Projectile' <i>Nucl. Inst. Methods, B159, 195-200 (1999)</i> <i>Comment : S, H, He (1 - 3.2 MeV) -> Polysulfone</i>	1999-Port 2355
2000	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 -> H, He, N, Ne, Kr</i>	2000-Bimb 3112
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
2004	Ammi, H. Mammer, S. Allab, M. 'Energy loss straggling of energetic 1H and 2H ions crossing polypropylene foils ' <i>Nucl.Instrum.Methods B213, 60 (2004)</i> <i>Comment : S,dS, H (0.9-2.9 MeV/n) -> Polypropylene</i>	2004-Ammi 3200
2004	Damache, S. Ouichaoui, S. Belhout, A. Medouni, A. Toumert, I 'Stopping of 236 keV – 3.019 MeV protons in mylar and polypropylene films' <i>Nucl. Instrum. Methods B225, 449 (2004)</i> <i>Comment : S, H (236-3019 keV) ->Mylar, Polypropylene</i>	2004-Dama 3205
2005	Ammi, H. Zemih, R. Mammer, S. Allab, M. 'Mean excitation energies extracted from stopping power measurements of protons in polymers by using the modified Bethe–Bloch formula' <i>Nucl.Instrum.Methods B230, 68 (2005)</i> <i>Comment : S, H (1-3.5 MeV) ->LR115, Mylar, Polycarbonate, Polyprop.</i>	2005-Ammi 3201
2007	Diwan, P.K. Sharma, V. Kumar, S. Mittal, V.K. Khan, S.A. 'Energy loss and straggling of MeV heavy ions in polypropylene absorber foils' <i>Nucl. Instrum. Methods Phys.Res. B 258, 293 (2007)</i> <i>Comment : S, dS, Li (3-5.25 MeV/u), C (4.25-6.25 MeV/u), O (4.25-5.75 MeV/u) polypropylene</i>	2007-Diwa 3160
2007	Hsu, J.Y. Liang, J.H. Yu, Y.C. Chen, K.M. 'Stopping forces of 3He and 6Li ions with MeV energies in polycarbonate, polyethylene terephthalate, and polypropylene foils' <i>Nucl. Instrum. Methods B 256, 153 (2007)</i> <i>Comment : S, 3He (1.1-4.5 MeV), 6Li (1.2-4.8 MeV) -> polycarbonate, polyethylene terephthalate, polypropylene</i>	2007-Hsu 3165

Citations for Target : **Ne**

Pub. Year	Authors, Title, Journal Citation and Comments	Citation Numb
2007	Yu, Y.C. Hsu, J.Y. Chen, K.M. 'Energy loss in polycarbonate and polyethylene terephthalate by 2.0-6.5 MeV ¹⁴ N, ³¹ P and ⁷⁵ As ions' <i>Nucl. Instrum. Methods B 261 (2007) 1184 (2007)</i> <i>Comment : S. N (2-6 MeV), P (3.0-6.5 MeV), As (3.0-6.5 MeV) -> polycarbonate, polyethylene terephthalate</i>	2007-Yu 3198
2008	Sharma, V. Diwan, P.K. Pratibha, Kumar, S. Khan, S.A. 'Stopping power of polymeric foils for swift heavy ions.' <i>Nucl. Instrum. Methods B 266, 3988 (2008)</i> <i>Comment : S. Si, Cl, Ti (1.0-4.5 MeV/u) -> polypropylene, polyethylene naphthalate (PEN)</i>	2008-Shar 3186
2008	Yu, Y.C. Hsu, J.Y. Chen, K.M. Wang, C.H. 'Energy loss and straggling of ⁷ Li ions in the polymer foils' <i>Nucl. Instrum. Methods B 266, 1166 (2008)</i> <i>Comment : S, dS. Li (0.18-0.78 MeV/u) -> polycarbonate, polyethylene terephthalate, polypropylene</i>	2008-Yu 3199
2009	Sharma, V. Diwan, P.K. Pratibha, T. Sharma, Kumar, S. 'Energy loss of light ions in polypropylene absorber foils' <i>Indian J. Phys. 83, 937 (2009)</i> <i>Comment : S. Li (2-2.75 MeV/n), C (1.25-4 MeV/n), O (0.5-4 MeV/n) -> polypropylene</i>	2009-Shar 3187
2010	Barbui, M. Fabris, D. Lunardon, M. Moretto, S. Nebbia, G. 'Energy loss of energetic ⁴⁰ Ar, ⁸⁴ Kr, ¹⁹⁷ Au and ²³⁸ U ions in mylar, aluminum and isobutane' <i>Nucl.Instrum.Methods Phys.Res. B268, 20 (2010)</i> <i>Comment : S. Ar, Kr, Au, U -> Al, Mylar, Butane at many energies</i>	2010-Barb 3152