

Citations for Target : **CO₂**

Pub. Year	Authors, Title, Journal Citation and Comments	Citation Numb
1954	Boicourt, G. P. Brolley, J. E. 'Po Alpha Ranges in Various Counting Mixtures' <i>Rev. Sci. Inst.</i> , 25, 95-96 (1954) <i>Comment</i> : R. 5.3 MeV He -> H ₂ , He, N ₂ , Ar, Ar + xx% CO ₂ , CH ₄ , Kr,	1954-Boic 0023
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, H ₂ , N ₂ , O ₂ , NH ₃ , CO, CO ₂ , NO, N ₂ O, CH ₄ , C ₂ H ₆ , C ₃ H ₈ , C ₄ H ₁₀	1955-Riez 0567
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, H ₂ , N ₂ , O ₂ , CO, CO ₂ , CH ₄ , C ₂ H ₆ , C ₃ H ₈ , C ₄ H ₁₀	1961-Riez 0568
1965	Allison, S. K. Anton, D. Morrison, R. A. 'Stopping Power of Gases for Lithium Ions' <i>Phys. Rev. A</i> , 138, 688-91 (1965) <i>Comment</i> : S. 0.6-3.75 MeV Li -> H ₂ , He, CH ₄ , N ₂ , CO ₂	1965-Alli 0370
1966	Kerr, G. D. Hain, L. M. Underwood, N. Walthers, A. W. 'Molecular Stopping Cross Sections of Air, N ₂ , Kr, CO ₂ and CH ₄ for Alpha Particles' <i>Health Phys.</i> , 12, 1475-80 (1966) <i>Comment</i> : S. 0.3-5 MeV He -> N ₂ , Air, Kr, CO ₂ , CH ₄	1966-Kerr 0793
1966	Rotondi, E. 'Bragg's Additivity Law of Stopping Power for 5 MeV Alpha Particles in O ₂ , N ₂ , CO ₂ , Co, NH ₃ and Hydrocarbon Gases' <i>NRC Canada Report No. NRC-9076 P. 1-6</i> (1966) <i>Comment</i> : S. 5 MeV He -> N ₂ , O ₂ , CO, CO ₂ , NH ₃ , Hydrocarbons	1966-Roto 0438
1967	Hughes, S. 'The Range of 5-50 keV Heavy Ions in Various Gases' <i>Phys. Med. Biol.</i> , 12, 565-71 (1967) <i>Comment</i> : R. 5-50 keV H ⁺ -> Ar, CO ₂ , N ₂ , CH ₄ , C ₂ H ₅ , C ₂ H ₄ , C ₃ H ₈ , C ₄ H ₁₀ . 5-30 keV N ⁺ -> CH ₄	1967-Hugh 0642
1968	Hilbert, J. W. Baily, N. A. Lane, R. G. 'Statistical Fluctuations of Energy Deposited in Low-Atomic-Number Materials by 43 MeV Protons' <i>Phys. Rev.</i> , 168, 290-93 (1968) <i>Comment</i> : dS. 43.7 MeV H -> He-CO ₂ Mixture	1968-Hilb 0401

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1968	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 -> N ₂ , O ₂ , CH ₄ , CO ₂	1968-Roto 0437
1969	Baily, N. A. Steigerwalt, J. E. 'Frequency Distribution for Very Small Energy Losses by 46 MeV Protons' <i>Bull. Am. Phys. Soc.</i> , 14, 846 (1969) <i>Comment</i> : dS. 46 MeV H -> He-CO ₂ Mixture	1969-Bail 0392
1970	Baily, N. A. Steigerwalt, J. E. Hilbert, J. W. 'Frequency Distribution of Energy Deposition by Fast Charged Particles in Very Small Pathlengths' <i>Phys. Rev. B</i> , 2, 577-582 (1970) <i>Comment</i> : dS. 46.4 MeV H -> He-CO ₂ Mixture	1970-Bail 0425
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 -> N ₂ , Air, O ₂ , Ne, Ar, Kr, CH ₄ , CO ₂	1970-Swin 0403
1971	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 -> H ₂ , O ₂ , N ₂ , NH ₃ , N ₂ O, CO, CO ₂ , 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 -> H ₂ , O ₂ , N ₂ , NH ₃ , N ₂ O, CO, CO ₂ , Hydrocarbons	1971-Bour2 0440
1972	Hakim, M. Shafir, N. H. 'Energy Loss of Fission Fragments in Composite Systems' <i>Nucl. Sci. Eng.</i> , 48, 72-77 (1972) <i>Comment</i> : S. Fission fragments (Cf-252) -> NH ₃ , CO ₂ , SO ₂ , ZrO ₂ , UO ₂ .	1972-Haki 1580
1972	Huebner, J. S. Skolil, L. L. 'The Residual Energy and Stopping Power of 210Po Alpha Particles in Air, CO ₂ , and He' <i>Am. J. Phys.</i> , 40, 1177-78 (1972) <i>Comment</i> : S. 3-5.3 MeV He -> Air, CO ₂ , He	1972-Hueb 0666
1973	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, CH ₄ , CO ₂ , N ₂ , Air.	1973-AI 0472

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1973	Nakhutin, I. E. Demidovich, N. N. 'Range and Energy Loss of U-238 Alpha Particles in Certain Gases' <i>Yaderna Fiz.</i> , 17, 1245 (1973), English transl.: <i>Sov. J. Nucl. Phys.</i> , 17, 649-653 (1973) <i>Comment</i> : R. He (0.6-5.5 MeV) -> CF ₄ , CF ₂ Cl ₂ , SF ₆ , CH ₄ , CO ₂	1973-Nakh 1727
	Powers, D. Lodhi, A. S. Lin, W. K. Cox, H. L. 'Molecular Effects in the Energy Loss of Alpha Particles in Gaseous Media' <i>Thin Solid Films</i> , 19, 205-215 (1973) <i>Comment</i> : S. 0.3-2.0 MeV He -> CO, CO ₂ , C ₂ H ₃ Br, C ₂ H ₅ Br, CbrF ₃ , C ₂ Br ₂ F ₄ , (CH ₃) ₂ O, C ₂ H ₂ F ₂ , Hydrocarbons.	1973-Powe 0504
1974	Demidovich, N. N. Nakhutin, I. E. Shatunov, V. G. 'Energy-Loss and Range Straggling of Alpha Particles from Pu238 in Some Gases' <i>Yaderna Fiz. (Russia)</i> , 18, 133-41 (1973). [Engl. Trans. <i>Sov. J. Nucl. Phys.</i> , 18, 70-73 (1974). <i>Comment</i> : S, dS. 3-5.5 MeV He -> CH ₄ , CO ₂ , CF ₄ , CF ₂ Cl ₂ , SF ₆	1974-Demi 0687
	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, CO ₂ , Ar, Kr, Ne, Air, Al, Ag, Cu, Au, CH ₄ , Tissue Eq. Gas	1975-Al 1273
1975	Brendle, M. Gugel, F. Steidle, G. 'The Ranges of Alpha Particles in H ₂ , He, CH ₄ and CO ₂ at Energies from 0.5 to 5.3 MeV.' <i>Nucl. Inst. Methods</i> , 130, 253-256 (1975) <i>Comment</i> : R. 0.5-5.3 MeV He -> H ₂ , He, CH ₄ , CO ₂	1975-Bren 0790
	Andersen, H. H. Besenbacher, F. Knudsen, H. 'Stopping Power and Straggling 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</i> , (1977) -b <i>Comment</i> : S, dS. 65 - 500 keV Li -> H ₂ , He, CO ₂ , N ₂ , O ₂ , Ne, Ar, Kr, Xe	1977-Ande4 0930
1978	Andersen, H. H. Besenbacher, F. Knudsen, H. 'Stopping Power and Straggling of 65-500 keV Lithium Ions in H, He, CO, N, O, Ne, Ar, Kr and Xe' <i>Nucl. Inst. Methods</i> , 149, 121-127 (1978) <i>Comment</i> : S. Li (65-500 keV) -> H, He, CO ₂ , N, O, Ne, Ar, Kr, Xe	1978-Ande 1492
	Chu, W. K. Braun, M. Davies, J. A. Matsunami, N. Thompson, D. A. 'Energy Loss of He Ions in Solidified Gases' <i>Nucl. Inst. Methods</i> , 149, 115-120 (1978) <i>Comment</i> : S. 0.5-2.0 MeV He -> Solid Ar, O, CO ₂	1978-Chu 0963
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.</i> 40, 1-39 (1979) <i>Comment</i> : S. 40 keV-1 MeV H And 100 keV-2.4 MeV He -> H ₂ , He, N ₂ , O ₂ , CO ₂ , Ne, Ar, Kr, Xe	1979-Bese 1160

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1980	Demidovich, N. N. Nakhutin, I. E. Shatunov, V. G. Shapovalov, M. P. 'Stopping Powers and Energy Distributions of Fission Fragments in Gases' <i>Nucl. Inst. Methods, 171, 551-559 (1980)</i> <i>Comment : S. Fission Fragments (0.01-1.0 MeV/amu) -> CO, CO₂, O, CF₄, CF₂Cl₂, SF₆</i>	1980-Demi 1483
1980	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) -> CH₄, CO₂, N₂ (ionization chamber)</i>	1980-Nguy 1487
1981	Salamon, M. H. Ahlen, S. P. Tarle, G. Creggin, K. C. 'Measurement of Higher Order Corrections to Stopping Power for Relativistic Ne, Ar and Fe Beams' <i>Phys. Rev. A, 23, 1, 73-76 (1981)</i> <i>Comment : R. Ne, Ar, Fe (600 MeV/amu) -> Al, Ar, Pb, Air, Kapton, CO₂, Lexan</i>	1981-Sala 1463
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
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
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