

Citations for Target : **Pb**

Pub. Year	Authors, Title, Journal Citation and Comments	Citation Numb
1909	Taylor, T. S. 'On the Retardation of Alpha Rays by Metals and Gases' <i>Phil. Mag., 18, 604-619 (1909)</i> <i>Comment : S. 7.7 MeV He -> Au, Sn, Pb, Al, H2, Paper, Collodium, Rel. To Air</i>	1909-Tayl 0117
1920	VonTraubenberg, H. R. 'Uber Eine Methode Zur Direkten Bestimmung der Reichweite von Alpha-Strahlen in Festen Korpern' <i>Z. Physik, 2, 268-276 (1920)</i> <i>Comment : R. 7.7 MeV He -> H2, He, Li, O2, Mg, Al, Ca, Fe, Ni, Au, Zn, Ag, Cd, Sn, Pt, Cu, Tl, Pb.</i>	1920-VonT 0123
1928	Rosenblum, S. 'Recherches Experimentales Sur Le Passage Des Rayons Alpha a Travers La Matiere' <i>Ann. de Physique, 10, 408-471 (1928)</i> <i>Comment : S. 5.3 - 7.7 MeV He -> Li, Al, Fe, Ni, Cu, Zn, Mo, Pd, Ag, Cd, Sn, Pt, Au, Pb, Mica, AuAg Alloys, Ag-Cu Alloys</i>	1928-Rose 0110
1951	Bakker, C. J. Segre, E. 'Stopping Power and Energy Loss for Ion-Pair Production for 340 MeV Protons' <i>Phys. Rev., 84, 489-92 (1951)</i> <i>Comment : S. Rel. To Al And Cu. 340 MeV H -> H2, Li, Be,C, Al, Fe, Cu, Ag, Sn, W, Pb, U</i>	1951-Bakk 0218
1951	Bloembergen, N. VanHerden, P. J. 'The Range and Stragglng of Protons Between 35 and 120 MeV' <i>Phys. Rev., 83, 561-66 (1951)</i> <i>Comment : R, dR. 35-120 MeV H -> Al, Cu, Pb</i>	1951-Bloe 0761
1951	Mather, R. Segre, E. 'Range-Energy Relation for 340 MeV Protons' <i>Phys. Rev., 84, 191-93 (1951)</i> <i>Comment : R. 340 MeV H -> Be, C, Al, Cu, Sn, Pb</i>	1951-Math 0209
1955	Green, D. W. Cooper, J. N. Harris, J. C. 'Stopping Cross Section of Metals for Protons of Energies from 400 to 1000 keV' <i>Phys. Rev., 98, 466-70 (1955)</i> <i>Comment : S. 0.4-1.0 MeV H -> Mn, Cu, Ge, Sn, Se, Ag, Sb, Au, Pb, Bi</i>	1955-Gree 0059
1956	Bader, M. Pixley, R. E. Moser, F. J. Whaling, W. 'Stopping Cross Sections of Solids for Protons, 50-600 keV' <i>Phys. Rev., 103, 32-38 (1956)</i> <i>Comment : S. H (50 keV-2.6 MeV) -> Cu, Au, Pb, LiF, CaF2, Li, Be, Al, Mn, Ta, Ca, V, Cr, Fe, Co, Ni, Cu, Zn</i>	1956-Bade 0008

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1957	Burkig, V. C. Mackenzie, K. R. 'Stopping Power of Some Metallic Elements for 19.8 MeV Protons' <i>Phys. Rev.</i> , 106, 848-51 (1957) <i>Comment</i> : S. Rel. To Al. 19.8 MeV H -> Be, Ca, Ti, V, Fe, Ni, Cu, Zn, Nb, Mo, Rh, Pd, Ag, Cd, In, Sn, Ta, W, Ir, Pt, Au, Pb, Th	1957-Burk 0149
1961	Barkas, W. H. VonFriesen, S. 'High-Velocity Range and Energy-Loss Measurements in Al, Cu, Pb, U and Emulsion' <i>Nuovo Cimento Suppl.</i> , 19, 41-62 (1961) <i>Comment</i> : R, S Rel. To Cu. 750 MeV H -> Al, Cu, Pb, U, Emulsion	1961-Bark2 0221
1965	Buhler, A. Massam, T. Muller, T. Zichichi, A. 'Range Measurements for Muons in the GeV Region' <i>Nuovo Cimento</i> , 35, 759-67 (1965) <i>Comment</i> : R. GeV Mu -> Pb	1965-Buhl 0196
1969	Vasilievskii, I. M. Karpov, I. I. Petrushkin, V. I. Prokoshkin, Yu. D. 'Proton Ranges Amd Ionization Energy Losses in Various Materials' <i>Yaderna Fiz.</i> , 9, 997-1008 (1968) [Eng. Transl. Sov. J. Nucl. Phys., 9, 583-9 (1969)] <i>Comment</i> : R. 660 MeV H -> C, Al, Cu, Sn, Pb	1969-Vasi 0905
1972	Broude, C. Engelstein, P. Popp, M. Tandon, P. N. 'Dependence of the Doppler Shift Lifetime Method on Slowing Environment' <i>Phys. Letters</i> , 39B, 185-187 (1972) <i>Comment</i> : S. Ne (1 MeV) -> C, Mg, Si, + 32 other materials. Doppler shift attenuation measurements (crude).	1972-Brou 1630
1972	Sirotninen, E. I. Tulinov, A. F. Fiderkevich, A. Shyshkin, K. S. 'The Determination of Energy Losses from the Spectrum of Particles Scattered by a Thick Target' <i>Rad. Effects</i> , 15, 149-52 (1972) <i>Comment</i> : S (1-6 MeV) H, He -> W, Pb, Ta, Mo, W, Ag, Yb, Ce.	1972-Siro 0486
1973	Chu, W. K. Ziegler, J. F. Mitchell, I. V. Mackintosh, W. D. 'Energy-Loss Measurements of 4He Ions in Heavy Metals' <i>Appl. Phys. Letters</i> , 22, 437-39 (1973) <i>Comment</i> : S. 2.0 MeV He -> Al, Si, V, Fe, Co, Ni, Cu, In, Ge, Mo, Sb, Te, Gd, Hf, Ta, W, Ir, Pt, Au, Pb	1973-Chu 3 0124
1973	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

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1973	Sorensen, H. Andersen, H. H. 'Stopping Power of Al, Cu, Ag, Au, Pb and U for 5-18-MeV Protons and Deuterons' <i>Phys. Rev. B, 8, 1854-63 (1973)</i> <i>Comment : S. 5-18 MeV H, D -> Al, Cu, Ag, Au, Pb, U</i>	1973-Sore 0499
1974	Borders, J. A. 'Helium Ion Stopping Cross Sections in Bismuth, Lead and Tungsten' <i>Rad. Effects, 21, 165-69 (1974)</i> <i>Comment : S. 0.4-1.9 MeV He -> Bi, Pb, W</i>	1974-Bord 0548
1976	Al-Bedri, M. B. Harris, S. J. Parish, H. G. S. F. 'Energy Loss and Straggling Measurements for Low Energy Protons Transmitted through Thin Solid Films' <i>Rad. Effects, 27, 183-87 (1976)</i> <i>Comment : dS. 0.6-1.6 MeV P-> Melinex, Al, Cu, Au, Pb</i>	1976-Al 2 0818
1976	Neuwirth, W. Pietsch, W. Hauser, U. 'Stopping Cross Sections of Elements with Z=2 to 87 for Li Ions with Energies Between 80 keV and 840 keV' <i>Physics Data, Erstes Physikalisches Institut, Univ. Zu Koln, Germany (1976)</i> <i>Comment : S. 80-840 keV Li -> (2 <= Z2 <= 87)</i>	1976-Neuw 1178
1978	Keinonen, J. Hautala, M. Luomajarvi, M. Anttila, A. Bister, M. 'Ranges of 27Al+ Ions in Nine Metals Measured by (p,gamma) Resonance Broadening' <i>Rad. Effects, 39, 189-193 (1978)</i> <i>Comment : R, dR. 27Al -> Ti, Ni, Cu, Mo, Ag, Ta, W, Au, Pb</i>	1978-Kein 1204
1978	Tarle, G. Solarz, M. 'Evidence for Higher-Order Contributions to the Stopping Power of Relativistic Iron Nuclei' <i>Phys. Rev. Letters, 41, 483-486 (1978)</i> <i>Comment : S. 600 MeV/amu 56Fe -> CH2, C16H14O3, C, Al, Pb</i>	1978-Tarl 1173
1979	Takahashi, T. Awaya, Y. Tonuma, T. Kumagai, H. Izumo, K. 'Energy Straggling of C and He Ions in Metal Foils' <i>Nucl. Inst. Methods, 166, 587-589 (1979)</i> <i>Comment : dS. 5-7 MeV He, C -> Al, Ag, Au, Pb</i>	1979-Taka 1305
1980	Geissel, H. Armbruster, P. Kitahara, T. Kraft, G. Spieler, H. 'Energy Loss of Heavy Particles in Solid Materials' <i>Nucl. Inst. Methods, 170, 217 (1980)</i> <i>Comment : S. 0.5-1.5 MeV/amu Ar, U -> 6 <= Z2 <= 92</i>	1980-Geis 1255

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Pub. Year	Authors, Title, Journal Citation and Comments	Citation Num
1980	Land, D. J. Simons, D. G. Brennan, J. G. Brown, M. D. 'Z2 and Energy Dependence of Range Distributions and Stopping Powers for Nitrogen Ions in Solids' <i>Phys. Rev. A, 22, 1, 68-75 (1980)</i> <i>Comment : S,R, dR. N (800 keV) -> 24 Solids (C-Pb)</i>	1980-Land3 1453
1981	Anthony, J. M. Lanford, W. A. 'Higher Order Z1 Effects in Heavy Ion Stopping Powers and Ranges' <i>Nucl. Inst. Methods, 186, 647-654 (1981)</i> <i>Comment : S, R, Si, Ni, Au (1-2.5 MeV/amu) -> Cu, Ag, Pb</i>	1981-Anth 1461
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	Fink, D. Biersack, J. P. Stadele, M. Tjan, K. Cheng, V. K. 'Nitrogen Depth Profiling using the N(n,p)C Reaction' <i>Nucl. Inst. Methods, 218, 171-175 (1983)</i> <i>Comment : R. N(1.5 MeV) -> Al, Si, Fe, Ni, Cu, Co, Ge,Zr, Nb, Mo, Sn, Pb</i>	1983-Fink2 2117
1983	Takahashi, T. Awaya, Y. Tonuma, T. Kumagai, H. Izumo, K. 'Stopping Power of Ni, Ag, Au and Pb for about 7 MeV/amu Alpha Particles and Carbon Ions: Z1*3 Deviation from the Bethe Formula' <i>Phys. Rev. A, 27 (3), 1360-1364 (1983)</i> <i>Comment : S. He, C (7 MeV) -> Ni, Ag, Au, Pb</i>	1983-Taka 1442
1984	Ishiwari, R. Shiomi, N. Sakamoto, N. 'Stopping Powers of Zr, Pd, Cd, In, and Pb for 6.5 MeV Protons and Mean Excitation Energies' <i>Nucl. Inst. Methods, B2, 195 (1984)</i> <i>Comment : S. H (6.5 MeV) -> Zr, Pd, Cd, In, Pb (mean ionization energies)</i>	1984-Ishi2 1678
1984	Sirotnin, E. I. Tulinov, A. F. Khodyrev, V. A. Mizgulin, V. N. 'Proton Energy Loss in Solids' <i>Nucl. Inst. Methods, B4, 337 (1984) -1</i> <i>Comment : S. H (0.1-6.0 MeV) -> Al, Si, Sc, V, Cu, Zn, Ga, Ge, Y, Zr, Nb, Mo, Ag, Cd, In, Sn, La, Sm, Gd, Yb, Hf, Ta, W, Pt, Au, Pb</i>	1984-Siro 1770
1985	Land, D. J. Simons, D. G. Brennan, J. G. Glass, G. A. 'Range Distributions and Electronic Stopping Power of Nitrogen Ions in Solids' <i>Nucl. Inst. Methods, B10/11, 234-236 (1985)</i> <i>Comment : S,R, dR. N (800 keV) -> 24 Solids (C-Pb)</i>	1985-Land 1454

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Pub. Year	Authors, Title, Journal Citation and Comments	Citation Numb
1986	Sakamoto, N. Shiomi, N. Ogawa, H. Ishiwari, R. 'Stopping Powers of Sn and Pb for 3.0-8.5 MeV Protons' <i>Nucl. Inst. Methods, B13, 115 (1986)</i> <i>Comment : S. H (3.0-8.5 MeV) -> Sn, Pb (mean ionization energies)</i>	1986-Saka2 1751
1988	Sakamoto, N. Shiomi, N. Ogawa, H. Ishiwari, R. 'Magnitude of the Z ^{1/3} Correction and the Values of Mean Excitation Potential for 21 Metallic Elements' <i>Nucl. Inst. Methods, B33, 158 (1988)</i> <i>Comment : S. H, He (6.5 MeV) -> Be, Ti, Fe, Ni, Zn, Mo, Pd, Cd, Sn, Pt, Pb (mean ionization energies)</i>	1988-Saka 1752
1989	Saxena, A. Dwivedi, K. K. Reichwein, E. Fiedler, G. 'Energy Loss Measurements of Xe-132 in Lead by a Nuclear Track Technique' <i>Nucl. Instr. in Phys. Res., B36, 276-281 (1989)</i> <i>Comment : S. Xe (132 MeV/amu) -> Pb</i>	1989-Saxe 1941
1990	Blank, B. Gaimard, J. J. Geissel, H. Munzenberg, G. Schmidt, K. H. 'Energy Loss Measurements with Heavy Ions at Relativistic Energies' <i>Nucl. Inst. Methods, B51, 85-88 (1990)</i> <i>Comment : S. Ar, P, N, Li (130-401 MeV/amu) -> C, Al, Pb</i>	1990-Blan 1924
1991	Kuronen, A. 'A Study of Stopping Power using Nuclear Methods' <i>Comm. Physico-Math. (Finland), 122, 1-36 (1991)</i> <i>Comment : S. Ion [Z=3-22] at (0-0.4 Vo) -> Solids (Z=14-82)</i>	1991-Kuro 1914
1991	Sakamoto, N. Ogawa, H. Mannami, M. Kimura, K. Susuki, Y. 'Stopping Powers of Metallic Elements for High Energy Ions' <i>Rad. Effects, 117, 193-195 (1991)</i> <i>Comment : S. H (55-73MeV), He (13 MeV/amu), C (13 MeV/amu) -> Al, Ti, Mo, Sn, Ta, Au, Pb, Cu, Ag, Pt</i>	1991-Saka 1753
1992	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) -> C, H2O, SiO2, Al, Si, Ti, Cr, Fe, Co, Ni, Cu, Zn, Zr, Nb, Mo, Ag, Cd, In, Sn, Ta, W, Pb</i>	1992-Bich2 1624
1992	Eppacher, C. Semrad, D. 'The Effective Charge of He Ions in Metals' <i>Nucl. Inst. Methods, B67, 138-141 (1992)</i> <i>Comment : S. H, He (1-2.5 Vo) -> Ge, Sn and Pb</i>	1992-Eppa 1898
1992	Eppacher, Ch. Semrad, D. 'Dependence of Proton and Helium Energy Loss in Solids upon Plasma Properties' <i>Nucl. Inst. Methods, B69, 33-38 (1992)</i> <i>Comment : S. H, He (20-250 keV/amu) -> Au, Cr, Ag, Al, Ge, Sn, Pb</i>	1992-Eppa2 2161

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1994	Scheidenberger, C. Geissel, H. Mikkelsen, H. H. Nickel, F. Brohm, T. 'Direct Observation of Systematic Deviations from the Bethe Stopping Theory for Relativistic Heavy Ions' <i>Phys.Rev.Lett.</i> 73 , 50-53, 1994 <i>Comment</i> : S. O, Ar, Kr, Xe (700-1000 MeV/amu) -> Be, C, Al, Cu, Pb	1994-Sche2 2323
1995	Saxena, A. Ghosh, S. Dwivedi, K. K. 'Mean Ranges of Xe in Lead' <i>Nucl. Sci. J. (Taiwan)</i> , 32 , 203-208 (1995) <i>Comment</i> : R. Xe (5-17 MeV/amu) -> Pb	1995-Saxe 1841
1996	Li, Z. Zhao, G. Z. Tang, J. Y. Yang, F. 'Measurement of Stopping Powers of 1-6 MeV Li Ions in C, Al, Cu, Ag, Au and Pb' <i>Nucl. Tech.</i> , 19 , 492-496 (1996) <i>Comment</i> : S. Li (1-6 MeV) -> C, Al, Cu, Ag, Au, Pb	1996-Li 2 1281
1996	Li, Z. Zhou, Z. Y. Zhao, G. Q. Tang, J. Y. Yang, F. 'Measured Stopping Powers for 1-6 MeV Li Ions in C, Al, Cu, Ag, Au and Pb Foils and in a Thin Si Crystal' <i>Nucl. Inst. Methods</i> , B115 , 98-101 (1996) <i>Comment</i> : S. Li (1-6 MeV) -> C, Al, Cu, Ag, Au, Pb	1996-Li 3 1816
2000	Weick, H. Geissel, H. Scheidenberger, C. Attallah, F. Cortina, D. 'Drastic Enhancement of Energy-Loss Straggling of Relativistic Heavy Ions due to Charge-State Fluctuations' <i>Phys. Rev. Lett.</i> , 85 , 2725-2728 (2000) <i>Comment</i> : dS. Au, Pb, Bi (100 - 1000 MeV/u) -> Be, Ag, Au, Ta, Pb, Al, Bi, Cu,	2000-Weic 2347
2000	Weick, H. Geissel, H. Scheidenberger, C. Attallah, F. Baumann, T. 'Slowing Down of Relativistic Few-Electron Heavy Ions' <i>Nucl. Inst. Methods</i> , B164-165 , 168-179 (2000) <i>Comment</i> : S. Au, Pb, Bi (100 - 1000 MeV/u) -> Be, Al, Cu, Ag, Ta, Au, Pb	2000-Weic2 2352
2009	Trzaska, W.H. Knyazheva, G.N. Perkowski, J. Andrzejewski, J. Khlebnikov, S.V. 'Energy loss of /sup 132/Xe-ions in thin foils' <i>Nucl.Instrum.Methods Phys.Res.</i> B267 , 3403 (2009) <i>Comment</i> : S. Xe (0.1-5 MeV/u) -> C, Al, Ni, Ag, Lu, Au, Pb, Th	2009-Trza 3196