Stopping for Ion : H , Target = Zn

Pub. Year	Authors, Title, Journal Citation and Comments	Citation Numb
1941	Wilson, R. R. **'Range and Ionization Measurements on High Speed Protons'** ***Phys. Rev., 60, 749-53 (1941)*** *Comment : S. 4 MeV H -> Al, Cu, Fe, Mo, Ni, Pt, Ta, Zn Rel. To Air.*	**1941-Wils** 0136
1957	Burkig, V. C. Mackenzie, K. R. **'Stopping Power of Some Metallic Elements for 19.8 MeV Protons'** ***Phys. Rev., 106, 848-51 (1957)*** *Comment : 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
1968	Andersen, H. H. Hanke, C. C. Simonsen, H. Sorensen, H. Vajda, P. **'Stopping Power of the Elements Z = 20 through Z = 30 for 5 - 12 MeV Protons and Deuterons'** ***Phys. Rev., 175, 389-95 (1968)*** *Comment : S. 5-12 MeV H, D -> Ca, Sc, Ti, V, Cr, Mn, Fe, Co, Ni, Cu, Zn*	**1968-Ande** 0358
1968	Leminen, E. Fontell, A. Bister, M. **'Stopping Power of Al, Zn, and in for 0.6 - 2.4 MeV Protons'** ***Ann. Acad. Sci. Fenn. Ser. A Vi. Phys. No. 281, 1-12 (1968)*** *Comment : S. 0.6-2.4 MeV H -> Al, In, Zn*	**1968-Lemi** 0398
1977	Ishiwari, R. Shiomi, N. Shirai, S. **'Stopping Powers for Protons in 16 Metallic Elements'** ***Bull. Inst. Chem. Res. Kyoto Univ., 55, 60-61 (1977)*** *Comment : S. (3-9 MeV) H -> Be, Al, Ti, V, Fe, Co, Ni, Cu, Zn, Mo, Rh, Ag, Sn, Ta, Pt, Au*	**1977-Ishi** 1102
1979	Ishiwari, R. Shiomi, N. Sakamoto, N. **'Stopping Powers of Be, Al, Ti, V, Fe, Co, Ni, Cu, Zn, Mo, Rh, Ag, Sn, Ta, Pt and Au for 67.5 MeV Protons.'** ***Phys. Letters, 75A, 112-114 (1979)*** *Comment : S. 6.5- 7 MeV H -> Be, Al, Ti, V, Fe, Co, Ni, Cu, Zn, Mo, Rh, Ag, Sn, Ta, Pt, Au*	**1979-Ishi2** 1349
1979	Luomajarvi, M. **'Stopping Powers of Some Metals for 0.3-1.5 MeV Protons.'** ***Rad. Effects, 40, 173-179 (1979)*** *Comment : S. 0.3-1.5 MeV H -> Al, Ti, Ni, Cu, Zn, Mo, Ag, Ta, W, Au*	**1979-Luom** 1205
1982	Ishiwari, R. Shiomi, N. Sakamoto, N. **'Stopping Powers of Metallic Elements for 6.75 MeV Protons'** ***Nucl. Inst. Methods, 194, 61-65 (1982)*** *Comment : S. 6.5- 7 MeV H -> Be, Al, Ti, V, Fe, Co, Ni, Cu, Zn, Mo, Rh, Ag, Sn, Ta, Pt, Au*	**1982-Ishi** 1675
1982	Mertens, P. Krist, Th. **'Electronic Stopping Cross-sections for 30 - 300 keV Protons in Materials with 23 < Z2 < 30'** ***Nucl. Inst. Methods, 194, 57-60 (1982)*** *Comment : S. H (30-300 keV) -> (23<= Z2 <= 30)*	**1982-Mert2** 1393

Stopping for Ion : H , Target = Zn

Pub. Year	Authors, Title, Journal Citation and Comments	Citation Numb
1982	Mertens, P. Krist, Th. **'Stopping Ratios for 30 - 300 keV Ions with 1 <= Z2 <= 5'** ***J. Appl. Phys., 53 (11), 7343 - 7349 (1982)*** *Comment : S. H, He, Li, Be, B (30-330 keV) -> C, V, Cr, Fe, Ni, Zn*	**1982-Mert3** 1394
1984	Krist, Th. Mertens, P. **'Application of Brandt's Effective Charge Theory to Measurements for 50-350 keV Ions with 1<=Z1<=5'** ***Nucl. Inst. Methods, B2, 119-122 (1984)*** *Comment : S. H, He, Li, Be, B (50-350 keV) -> C, Al, V, Cr, Fe, Ni, Cu, Zn, Ag, Pt, Au, Bi*	**1984-Kris** 1467
1984	Sirotinin, E. I. Tulinov, A. F. Khodyrev, V. A. Mizgulin, V. N. **'Proton Energy Loss in Solids'** ***Nucl. Inst. Methods, B4, 337 (1984) -1*** *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*	**1984-Siro** 1770
1988	Ishiwari, R. Shiomi-Tsuda, N. Sakamoto, N. **'Stopping Powers of Be, Al, Ti, V, Fe, Co, Ni, Cu, Zn, Mo, Rh, Ag, Sn, TA, Pt and Au for 6.5 MeV Protons'** ***Nucl. Inst. Methods, B31, 503 (1988)*** *Comment : S. H (6.5 MeV) -> Be, Al, Ti, V, Fe, Co, Ni, Cu, Zn, Mo, Rh, Ag, Sn, Ta, Pt, Au (mean excitation energies)*	**1988-Ishi2** 1682
1988	Sakamoto, N. Shiomi, N. Ogawa, H. Ishiwari, R. **'Magnitude of the Z1*3 Correction and the Values of Mean Excitation Potential for 21 Metallic Elements'** ***Nucl. Inst. Methods, B33, 158 (1988)*** *Comment : S. H, He (6.5 MeV) -> Be, Ti, Fe, Ni, Zn, Mo, Pd, Cd, Sn, Pt, Pb (mean ionization energies)*	**1988-Saka** 1752
1992	Bauer, P. Kastner, F. Arnau, A. Salin, A. Echenique, P. M. **'Phase Effect in the Energy Loss of H Projectiles in Zn Targets: Experimental Evidence and Theoretical Explanation'** ***Phys. Rev. Letters, 69, 1137-1139 (1992)*** *Comment : S. H (0.02-0.2 keV) -> Zn (solid and gas)*	**1992-Baue** 1884
1992	Bichsel, H. Hiraoka, T. **'Energy Loss of 70 MeV Protons in Elements'** ***Nucl. Inst. Methods, B66, 345-351 (1992)*** *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*	**1992-Bich2** 1624
1994	Arnau, A. Bauer, P. Kastner, F. Salin, A. Echenique, P. M. **'Phase Effect in the Energy Loss of Hydrogen Projectiles in Zinc Targets'** ***Phys. Rev. B, 6470-6480 (1994)*** *Comment : S. H (20-800 keV) -> Zn. Solid/vapor effects on stopping.*	**1994-Arna** 1626

Stopping for Ion : H , Target = Zn

Pub. Year	Authors, Title, Journal Citation and Comments	Citation Numb
1994	Shiomi Tsuda, N. Sakamoto, N. Ishiwari, R. **'Stopping Powers of Be, Al, Ti, V, Fe, Co, Ni, Cu, Zn, Mo, Rh, Ag, Sn, Ta, Pt and Au for 13 MeV Deuterons'** ***Nucl. Inst. Methods, B93, 391-398 (1994)*** *Comment : S. D (13 MeV) -> Be, Al, Ti, V, Fe, Co, Ni, Cu, Zn, Mo, Rh, Ag, Sn, Ta, Pt, Au*	**1994-Shio** 2051
1995	Martinez Tamayo, G. Eckardt, J. C. Lantschner, G. H. Arista, N. R. **'Energy Loss of Protons in Zn: Measurements between 2-200 keV'** ***Phys. Rev. A, 51, 2285-2288 (1995)*** *Comment : S. H (2-200 keV) -> Zn*	**1995-Mart** 2038
1996	Martinez-Tamayo, G. Eckardt, J. C. Lantschner, G. H. Arista, N. R. **'Energy Loss of H and He Ions in Al, Zn, and Au in the Intermediate Energy Range'** ***Phys. Rev. A, 54, 3131-3138 (1996)*** *Comment : S. H, He (1-200 keV) -> Al, Zn and Au*	**1996-Mart** 1267
1997	Vakevainen, K. **'Stopping Cross Sections of ZnSe, Zn and Cu for H, He and Li Ions'** ***Nucl. Inst. Methods, B122, 187-193 (1997)*** *Comment : S. H, He, Li (0.4-8.9 MeV) -> ZnSe, Zn, Cu*	**1997-Vake** 2163