Stopping for Ion Li , Target = Al

Pub. Year	Authors, Title, Journal Citation and Comments	Citation Numb
1948	Wilcox, H. W. **'Experimental Determination of Rate of Energy Loss for Slow H1, H2, He4, Li6 Nuclei in Au and Al'** ***Phys. Rev., 74, 1743-54 (1948)*** *Comment : S. 30-400 keV H, 30-650 keV D, 30-1400 keV He, 750-850 keV 6Li -> Al, Au*	**1948-Wilc** 0133
1956	Devons, S. Towle, J. H. **'Range-Velocity Relationship for 7Li-Ions in Solids'** ***Proc. Phys. Soc. A69, 345-47 (1956)*** *Comment : S. 2.74 MeV 7Li -> Al, Cu, Au*	**1956-Devo** 0042
1962	Teplova, Ya. A. Nikolaev, V. S. Dimitriev, I. S. Fateeva, L. N. **'Slowing Down of Multicharged Ions in Solids and Gases'** ***Zh. Eksp. Teor. Fiz., 42, 44-60 (1962)[Engl. Trans. Sov. Phys., Jetp15, 31-41 (1962)]*** *Comment : S, R.(75-1500 keV/amu) He, Li, Be, B, C, N, O, Ne, Na, Mg, Al, P, Cl, K, Br, Kr -> H2, He, CH4, Benzene, Air, Ar, S. Same -> Al, Ni, Ag, Au*	**1962-Tepl** 0362
1965	Ormrod, J. H. Macdonald, J. R. Duckworth, H. E. **'Some Low-Energy Atomic Stopping Cross Sections'** ***Can. J. Phys., 43, 275-84 (1965)*** *Comment : S. (10-150 keV) H, D, He, Li, B, C, N, O, F, Ne, Na -> Al; (20-130 keV) Si, P, S, Cl, Ar, K -> C*	**1965-Ormr** 0203
1969	Bernhard, F. Muller-Jahreis, U. Rockstroh, G. Schwabe, S. **'Stopping Cross Sections of Li+ Ions with Energies from 30 to 100 keV in Various Target Materials'** ***Phys. Stat. Sol., 35, 285-89 (1969)*** *Comment : S. 30-100 keV Li -> C, Al, Ti, Ni, Cu*	**1969-Bern** 0395
1975	Neuwirth, W. Pietsch, W. Richter, K. Hauser, U. **'On the Invalidity of Bragg's Rule in Stopping Cross Sections of Molecules for Swift Li Ions'** ***Z. Physik A, 275, 215 (1975)*** *Comment : S. 80 - 840 keV Li -> B, Al, Ti, Ta, H2O, D2O, Plus 26 Compounds Of Boron (Doppler-Shift Attenuation Method)*	**1975-Neuw** 0929
1975	Neuwirth, W. Pietsch, W. Richter, K. Hauser, U. **'Electronic Stopping Cross Sections of Elements and Compounds for Swift Lithium Ions'** ***Z. Physik A, 275, 209-14 (1975)*** *Comment : S. 80-840 keV Li -> Be, B, Al, Ti, Cu, Ta, AlB2, AlB12, B4C, B2O3, BPO4, B4Si, CaB6, CeB6, Crb, Crb2, Cr2B3, H2O, D2O, HBO2, H3BO3, HFB2, KBF4, KBH4, LaB6, LiBH*	**1975-Neuw2** 0813
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'** ***Physics Data, Erstes Phsikalisches Institut, Univ. Zu Koln, Germany (1976)*** *Comment : S. 80-840 keV Li -> (2 <= Z2 <= 87)*	**1976-Neuw** 1178

Stopping for Ion Li , Target = Al

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1976	Pietsch, W. Hauser, U. Neuwirth, W. **'Stopping Powers from the Inverted Doppler Shift Attenuation Method: Z-Oscillations, Bragg'S Rule Or Chemical Effects, Solid and Liquid State Effects'** ***Nucl. Inst. Methods, 132, 79-87 (1976)*** *Comment : S. Li (70, 100 keV) -> B, Al, Ti, Cu, Ta, C, Nb, Mo, Ta, Ag, and numerous compounds*	**1976-Piet** 0815
1977	Andersen, H. H. Bak, J. F. Knudsen, H. Nielsen, B. R. **'Stopping Powers of Al, Cu, Ag, and Au for MeV Hydrogen, Helium, and Lithium Ions. Z1*3, and Z1*4 Proportional Deviations from the Bethe Formula.'** ***Phys. Rev. A, 16, 1929-1940 (1977)*** *Comment : S. H, He, Li (1-21 MeV) -> Al, Cu, Ag, Au*	**1977-Ande2** 0779
1977	Andersen, H. H. Bak, J. F. Knudsen, H. Moller-Petersen, P. Nielsen, B. R. **'Experimental Investigation of Higher-Order Z1 Corrections to the Bethe Stopping-Power Formula'** ***Nucl. Inst. Methods, 140, 537-540 (1977)*** *Comment : S. H (2-5.2 MeV) -> Al, Cu, Ag, Au*	**1977-Ande3** 0908
1977	Mertens, P. **'Energy Loss of Light 100 - 300 keV Ions in Thin Metal Foils'** ***Nucl. Inst. Methods, 149, 149-153 (1978)*** *Comment : S, dS.H, He, Li, Be, B, C, N, O, F, Ne (300 keV) -> C, Ni, Co, Nb. 300 keV He, Ne, F, O, N -> C, Al, Ti, Mn, Fe, Co, Ni, Cu, Nb, Ag, Au*	**1977-Mert** 0928
1978	Thomas, J. P. Fallavier, M. **'Lithium Ion Production and Use for Backscattering Analysis in Al and Al2O3 Media'** ***Nucl. Inst. Methods, 149, 169-175 (1978)*** *Comment : S,dS. He,Li (0.3-3MeV) -> Al2O3, Al*	**1978-Thom2** 1592
1979	Mertens, P. **'Electronic Stopping Cross Sections of 50-300 keV He and Li Ions'** ***Phys. Rev. A, 19, 1442-1447 (1979)*** *Comment : S. 50-300 keV He, Li -> C, Al, Cu, Ag, Au*	**1979-Mert** 1130
1980	Andersen, H. H. Besenbacher, F. Goddiksen, P. **'Stopping Power and Straggling of 80-500 keV Lithium Ions in C, Al, Ni, Cu, Se, Ag, and Te'** ***Nucl. Inst. Methods, 168, 75-80 (1980)*** *Comment : S, dS. 80-500 keV Li -> C, Al, Ni,Cu, Se, Ag, Te*	**1980-Ande** 1308
1980	Mertens, P. Krist, Th. **'Stopping Ratios of 50-300 keV Light Ions in Metals'** ***Nucl. Inst. Methods, 168, 33-39 (1980)*** *Comment : S, dS. 30-300 keV H, He, Li, Be -> C, Al, Cu, Ag, Au*	**1980-Mert** 1313

Stopping for Ion : Li , Target = Al

Pub. Year	Authors, Title, Journal Citation and Comments	Citation Numb
1982	Mertens, P. Krist, Th. **'Stopping Ratios of 50 - 300 keV Light Ions in Metals'** ***Nucl. Inst. Methods, 194, 57 (1982)*** *Comment : S. 50-300 keV H, He, Li, Be -> C, Al, Cu, Ag, Au*	**1982-Mert** 1133
1983	Krist, Th. Mertens, P. **'Stopping Ratios for 30-330 keV Light Ions in Materials with 57 <=Z2 <=83'** ***Nucl. Inst. Methods, 218, 821-826 (1982)*** *Comment : S. H, He, Li (50-300 keV) -> C, Al, Cu, Ag, Au*	**1983-Kris** 1312
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	Santry, D. C. Werner, R. D. **'Stopping Powers of C, Al, Si, Ti, Ni, Ag and Au for Li-7 Ions'** ***Nucl. Inst. Methods, B5, 449 (1984)*** *Comment : S. Li (0.2-1.8 MeV) -> > C, Al, Si, Ni, Ag, Au*	**1984-Sant2** 1758
1986	Lin, H. H. Li, L. W. Norbeck, E. **'Stopping Powers of C, Al, Ni, Cu, In, Sn, Ag and Au for 7Li Ions of 1.0-4.7 MeV'** ***Nucl. Inst. Methods, B17, 91-96 (1986)*** *Comment : S. Li (1.0-4.7 MeV) -> C, Al, Ni, Cu, In, Sn, Ag, Au*	**1986-Lin** 1428
1987	Neuwirth, W. **'On the Precision of Stopping Power Data for Lithium Projectiles Obtained with the IDSA-Method'** ***Nucl. Inst. Methods, B27, 335-337 (1987)*** *Comment : S. Li (175 keV) -> C, Al, Cu*	**1987-Neuw** 1498
1990	Blank, B. Gaimard, J. J. Geissel, H. Munzenberg, G. Schmidt, K. H. **'Energy Loss Measurements with Heavy Ions at Relativistic Energies'** ***Nucl. Inst. Methods, B51, 85-88 (1990)*** *Comment : S. Ar, P, N, Li (130-401 MeV/amu) -> C, Al, Pb*	**1990-Blan** 1924
1991	Antolak, A. J. Handy, B. N. Morse, D. H. Pantau, A. E. **'Energy Loss and Straggling Measurements of Ions in Solid Absorbers'** ***Nucl. Inst. Methods, B59/60, 13-17 (1991)*** *Comment : S, dS. H, Li, C(7-49 MeV) -> Al, Ti, Ni, Ag, W, Au*	**1991-Anto** 1909
1991	Raisanen, J. Rauhala, E. Bjornberg, M. Kiss, A. Z. Dominguez, J. **'Stopping Powers of Al and Sn for He, Li, B, C, N and O Ions in the Energy Range 0.5-2.6 MeV/amu'** ***Rad. Effects, 118 (2), 97-103 (1991)*** *Comment : S. He, Li, B, C, N, O (0.5-2.6 MeV/amu) -> Al, Sn*	**1991-Rais** 1988

Stopping for Ion Li , Target = Al

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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'** ***Nucl. Tech., 19, 492-496 (1996)*** *Comment : 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'** ***Nucl. Inst. Methods, B115, 98-101 (1996)*** *Comment : S. Li (1-6 MeV) -> C, Al, Cu, Ag, Au, Pb*	**1996-Li 3** 1816
1996	Liu, J. R. Zheng, Z. S. Chu, W. K. **'Stopping Cross Sections of C, Al, Si for Li-7 Ions'** ***Nucl. Inst. Methods, 118, 24-28 (1996)*** *Comment : S. Li (1-7 MeV) -> C, Al, Si*	**1996-Liu** 0592
2002	Zhang, Y. **'High-Precision Measurement of Electronic Stopping Powers for Heavy Ions using High-Resolution Time-of-Flight Spectrometry'** ***Nucl. Inst. Methods, B196, 1-15 (2002)*** *Comment : S. Stopping of 18 Heavy Ions into C, Al and Au Targets*	**2002-Zhan** 3135
2005	Hsu, J. Y. Yu, Y. C. Liang, J. H. Chen, K. M. **'Experimental Stopping Forces in Aluminum and Silver by He3/He4, Li6/Li7 and B10/B11 Ions'** ***Nucl. Inst. Methods, B241, 155-159 (2005)*** *Comment : S. He3, He4, Li6, Li7, B10, B11 -> Al, Ag*	**2005-Hsu** 3104