

Stopping for Ion : **Li** , Target = **C**

Pub. Year	Authors, Title, Journal Citation and Comments	Citation Numb
1963	Ormrod, J. H. Duckworth, H. E. 'Stopping Cross Sections in Carbon for Low-Energy Atoms with $Z < 12$ ' <i>Can. J. Phys.</i> , 41, 1424-42 (1963) <i>Comment</i> : S. (10-130 keV) H, He, Li, Be, B, C, N, O, F, Ne, Na, Mg -> C	1963-Ormr 0166
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' <i>Phys. Stat. Sol.</i> , 35, 285-89 (1969) <i>Comment</i> : S. 30-100 keV Li -> C, Al, Ti, Ni, Cu	1969-Bern 0395
1970	Bernstein, W. Cole, A. J. Wax, R. L. 'Penetration of 1-20 keV Ions through Thin Carbon Foils' <i>Nucl. Inst. Methods</i> , 90, 325-28 (1970) <i>Comment</i> : S. 1-20 keV H, O, He, Li, N, Ne, K -> C	1970-Bern 0658
1970	Hogberg, G. Norden, H. Berry, H. G. 'Angular Distributions of ions Scattered in Thin Carbon Foils' <i>Nucl. Inst. Methods</i> , 90, 283-288 (1970) <i>Comment</i> : S. H, D, He, Li, N, Ne, Ar (3-45 keV) -> C Energy loss vs. Angular Effects.	1970-Hogb2 1668
1971	Hogberg, G. 'Electronic and Nuclear Stopping Cross Sections in Carbon' <i>Phys. Stat. Sol. B</i> , 48, 829-41 (1971) <i>Comment</i> : S. (10-46 keV) Li, B, N, C, O, F, Ne, Na, P, Ar -> C	1971-Hogb 0479
1971	Majure, J. C. Hooper, J. W. 'An Experimental Investigation of the Characteristic Energy Losses of 3-10 keV Lithium Particles in Thin Films' <i>Georgia Inst. Tech. Rep. Oro-3027-20, Pp. 1-179</i> (1971) <i>Comment</i> : S,dS. Dep. On Scatt. Angle. 3-10 keV Li -> C	1971-Maju 0420
1972	Hogberg, G. Skoog, R. 'Non-Evidence for Z1, Oscillations of the Nuclear Ion-Atom Interaction in an Amorphous Target' <i>Rad. Effects</i> , 13, 197-202 (1972) <i>Comment</i> : S. 50 keV Li, B, C, N, O, F, Ne, Na, Mg, P, Ar -> C	1972-Hogb 0488
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</i> (1976) <i>Comment</i> : S. 80-840 keV Li -> ($2 \leq Z \leq 87$)	1976-Neuw 1178

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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' <i>Nucl. Inst. Methods, 132, 79-87 (1976)</i> <i>Comment : S. Li (70, 100 keV) -> B, Al, Ti, Cu, Ta, C, Nb, Mo, Ta, Ag, and numerous compounds</i>	1976-Piet 0815
1977	Mertens, P. 'Energy Loss of Light 100 - 300 keV Ions in Thin Metal Foils' <i>Nucl. Inst. Methods, 149, 149-153 (1978)</i> <i>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</i>	1977-Mert 0928
1979	Mertens, P. 'Electronic Stopping Cross Sections of 50-300 keV He and Li Ions' <i>Phys. Rev. A, 19, 1442-1447 (1979)</i> <i>Comment : S. 50-300 keV He, Li -> C, Al, Cu, Ag, Au</i>	1979-Mert 1130
1979	Santry, D. C. Werner, R. D. 'Stopping Powers for Heavy Ions in Carbon over the Energy Region 200 to 2000 keV' <i>IEEE Trans. Nucl. Sci., NS-26, 1335-1337 (1979)</i> <i>Comment : S. 200-2000 keV He, Li, C, N, O -> C</i>	1979-Sant2 1198
1980	Andersen, H. H. Besenbacher, F. Goddixsen, P. 'Stopping Power and Stragglng of 80-500 keV Lithium Ions in C, Al, Ni, Cu, Se, Ag, and Te' <i>Nucl. Inst. Methods, 168, 75-80 (1980)</i> <i>Comment : S, dS. 80-500 keV Li -> C, Al, Ni, Cu, Se, Ag, Te</i>	1980-Ande 1308
1980	Fearick, R. W. Sellschop, J. P. F. 'Energy Loss of Light Ions in Diamonds' <i>Nucl. Inst. Methods, 168, 51-55 (1980)</i> <i>Comment : S, dS. 2-24 MeV H, He, Li -> C</i>	1980-Fear 1311
1980	Mertens, P. Krist, Th. 'Stopping Ratios of 50-300 keV Light Ions in Metals' <i>Nucl. Inst. Methods, 168, 33-39 (1980)</i> <i>Comment : S, dS. 30-300 keV H, He, Li, Be -> C, Al, Cu, Ag, Au</i>	1980-Mert 1313
1982	Mertens, P. Krist, Th. 'Stopping Ratios of 50 - 300 keV Light Ions in Metals' <i>Nucl. Inst. Methods, 194, 57 (1982)</i> <i>Comment : S. 50-300 keV H, He, Li, Be -> C, Al, Cu, Ag, Au</i>	1982-Mert 1133
1982	Mertens, P. Krist, Th. 'Stopping Ratios for 30 - 300 keV Ions with $1 \leq Z \leq 5$ ' <i>J. Appl. Phys., 53 (11), 7343 - 7349 (1982)</i> <i>Comment : S. H, He, Li, Be, B (30-330 keV) -> C, V, Cr, Fe, Ni, Zn</i>	1982-Mert3 1394

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1983	Krist, Th. Mertens, P. 'Stopping Ratios for 30-330 keV Light Ions in Materials with $57 \leq Z \leq 83$ ' <i>Nucl. Inst. Methods</i> , 218, 821-826 (1982) <i>Comment</i> : S. H, He, Li (50-300 keV) -> C, Al, Cu, Ag, Au	1983-Kris 1312
1984	Cowern, N. E. B. Read, P. M. Sofield, C. J. Bridwell, L. B. Lucas, M. W. 'Charge Changing Energy Loss, Higher Order Z1 Dependence, and Pre-Equilibrium Behaviour in the Stopping Power for Energetic Ions in Solids' <i>Phys. Rev. A</i> , 30, 4, 1682-1691 (1984) <i>Comment</i> : S. He, Li, C (3 MeV/amu) -> C (charge state analysis)	1984-Cowe 1469
1984	Cowern, N. E. B. Read, P. M. Sofield, C. J. Bridwell, L. B. Hustable, G. 'Charge State Dependence of dE/dx for Ions in Very Thin Targets' <i>Nucl. Inst. Methods</i> , B2, 112 (1984) <i>Comment</i> : S. He, Li, C (3 MeV/amu) -> C (target thickness effects)	1984-Cowe2 1637
1984	Krist, Th. Mertens, P. 'Application of Brandt's Effective Charge Theory to Measurements for 50-350 keV Ions with $1 \leq Z \leq 5$ ' <i>Nucl. Inst. Methods</i> , B2, 119-122 (1984) <i>Comment</i> : 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' <i>Nucl. Inst. Methods</i> , B5, 449 (1984) <i>Comment</i> : 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' <i>Nucl. Inst. Methods</i> , B17, 91-96 (1986) <i>Comment</i> : 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' <i>Nucl. Inst. Methods</i> , B27, 335-337 (1987) <i>Comment</i> : S. Li (175 keV) -> C, Al, Cu	1987-Neuw 1498
1987	Read, P. M. Sofield, C. J. Cowern, N. E. B. Bridwell, L. B. 'Stopping Powers for Energetic Ions in Carbon Targets' <i>Nucl. Inst. Methods</i> , B29, 583-586 (1987) <i>Comment</i> : S. He, Li, C, O (3-7 MeV/amu) -> C	1987-Read 1401

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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
1994	Rauhala, E. Raisanen, J. 'Stopping Powers of Solid Hydrogen, Carbon and Oxygen for 0.5-2.1 MeV/amu Li-7, B-11, C-12, N-14 and O-16' <i>Nucl. Inst. Methods, B93, 399-403 (1994)</i> <i>Comment : S. Li, B, C, N, O (0.5-2.1 MeV/amu) -> Solid H, C, O</i>	1994-Rauh 1851
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., 19, 492-496 (1996)</i> <i>Comment : S. Li (1-6 MeV) -> C, Al, Cu, Ag, Au, Pb</i>	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, B115, 98-101 (1996)</i> <i>Comment : S. Li (1-6 MeV) -> C, Al, Cu, Ag, Au, Pb</i>	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' <i>Nucl. Inst. Methods, 118, 24-28 (1996)</i> <i>Comment : S. Li (1-7 MeV) -> C, Al, Si</i>	1996-Liu 0592
2001	Zhang, Y. Possnert, G. Whitlow, H. J. 'Measurements of the Mean Energy-Loss of Swift Heavy Ions in Carbon with High Precision' <i>Nucl. Inst. Methods, B183, 34-37 (2001)</i> <i>Comment : S. Li, Be, B, C, N, O, F, Na, Mg, Al, Si, Cr, Mn, Fe (100 - 800 keV/u) -> C</i>	2001-Zhan 2351
2002	Zhang, Y. 'High-Precision Measurement of Electronic Stopping Powers for Heavy Ions using High-Resolution Time-of-Flight Spectrometry' <i>Nucl. Inst. Methods, B196, 1-15 (2002)</i> <i>Comment : S. Stopping of 18 Heavy Ions into C, Al and Au Targets</i>	2002-Zhan 3135