

Citations for Ion : **Cl**

Pub. Year	Authors, Title, Journal Citation and Comments	Citation Numb
1958	Schmitt, R. A. Sharp, R. A. 'Measurement of the Range of Recoil Atoms' <i>Phys. Rev. Letters, 1, 445-47 (1958)</i> <i>Comment : R. (33-130 keV) C, F, Cl, Ti, Fe, Zn, Cu, Mo, Ag, Au -> Polystyvene, Teflon, Saran, Ti, Fe, Zn, Cu, Mo, Ag, Au</i>	1958-Schm
1962	Teplova, Ya. A. Nikolaev, V. S. Dimitriev, I. S. Fateeva, L. N. 'Slowing Down of Multicharged Ions in Solids and Gases' <i>Zh. Eksp. Teor. Fiz., 42, 44-60 (1962)[Engl. Trans. Sov. Phys., JETP15, 31-41 (1962)]</i> <i>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</i>	1962-Tepl
1964	Sidenius, G. 'Measurement of dE/dX in Gases with Low Energy Heavy Particles' <i>M. R. C. Mcdowell (Ed.) Atomic Collision Processes, North-Holland, Amsterdam, P. 709-16 (1964)</i> <i>Comment : S. (20-50 keV) Cl, Ga, Zr, Sb, Pb, Fe, Ca, Ge, U -> H2</i>	1964-Side
1965	Booth, W. Grant, I. S. 'The Energy Loss of Oxygen and Chlorine Ions in Solids' <i>Nucl. Phys., 63, 481-95 (1965)</i> <i>Comment : S. 2-24 MeV O, 4-40 MeV Cl -> C, Al, Ni, Ag, Au</i>	1965-Boot
1966	Fastrup, B. Hvelplund, P. Sautter, C. A. 'Stopping Cross Section in Carbon of 0.1-1.0 MeV Atoms with $5 < Z < 20$ ' <i>Kgl. Danske Videnskab. Selskab. Mat. Fys. Medd., 35, No. 10, 1-28 (1966)</i> <i>Comment : S. (80-900 keV) H, C, N, O, F, Ne, Na, Mg, Al, Si, P, S, Cl, Ar -> C</i>	1966-Fast
1966	Nielsen, O 'Specialeopgave' <i>Niels Bohr Institute, University of Copenhagen, Pp. 1-64 (1966)</i> <i>Comment : S, dS. 50 keV C, Na, Cl, K, Mn, Y, Zn, Ag, Hf, Lu, Hg, Bi -> H2, D2, He, N2, Ne, Ar</i>	1966-Niel
1968	Bowman, W. W. Lanzafame, F. M. Cline, C. K. Yu, Yu-Wen Blann, M. 'Recoil Ranges of 0.2 - 5.2 MeV Ions in Vanadium, Nickel, Iron, Zirconium and Gold.' <i>Phys. Rev., 165, 485-93 (1968)</i> <i>Comment : R, dR. Ion(ZI=12-81, E=0.22-5.2 MeV) -> V, Ni, Zr, Au</i>	1968-Bowm
1968	Eisen, F. H. 'Channeling of Medium-Mass Ions through Silicon' <i>Can. J. Phys., 46, 561-72 (1968)</i> <i>Comment : S. 100-500 keV B, C, N, O, F, Ne, Na, Mg, Al, Si, P, Cl, Ar, K -> Si (Cryst.)</i>	1968-Eise
1968	Fastrup, B. Borup, A. Hvelplund, P. 'Stopping Cross Section in Atmospheric Air of 0.2 - 0.5 MeV Atoms with $6 \leq Z1 \leq 24$.' <i>Can. J. Phys., 46, 489-95 (1968)</i> <i>Comment : S. (100-1000 keV) C, N, O, Ne, N, Mg, P, S, Cl, Sc, Ca, Ti Al, Ar, K, Cr -> Air</i>	1968-Fast

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1968	Pierce, T. E. Blann, M. 'Stopping Powers and Ranges of 5-90 MeV S32, Cl35, Br79, and I127 Ions in H2, He, N2, Ar, and Kr: a Semiempirical Stopping Power Theory for Heavy Ions in Gases and Solids' <i>Phys. Rev.</i> , 173, 390-405 (1968) <i>Comment</i> : S. 5-90 MeV 32S, 35Cl, 79Br, 127I -> H2, He, N2, Ar, Kr	1968-Pier
1968	Pierce, T. E. Bowman, W. W. Blann, M. 'Stopping Power of S32, Cl35, Br79 and I127 Ions in Mylar' <i>Phys. Rev.</i> , 172, 287-91 (1968) <i>Comment</i> : S. 15-95 MeV 32S, 35Cl, 30-90 MeV 79Br, 60-105 MeV 127I -> Mylar	1968-Pier2
1969	Bottiger, J. Bason, F. 'Energy Loss of Heavy Ions Along Low-Index Directions in Gold Single Crystals' <i>Rad. Effects</i> , 2, 105-10 (1969) <i>Comment</i> : S. (300-970 keV) N, Ne, Na, Mg, S, Cl, Ar, K, Si, Mn, Fe, Kr, Y, Mo, Ag, Cd, Sb, Xe -> Au	1969-Bott
1969	Macdonald, J. R. Sidenius, G. 'The Total Ionization in Methane of Ions with $1 \leq Z_1 \leq 20$ at Energies from 10 to 120 keV' <i>Phys. Letters A</i> , 28, 543-44 (1969) <i>Comment</i> : S. 10-120 keV H, He, Li, Be, B, C, N, O, F, Ne, Na, Mg, Al, Si, P, S, Cl, Ar, Ca, V, Sc, Ti -> CH4	1969-Macd
1972	Balzer, R. Sigrist, A. 'Disrimination of Heavy Ions by Track Detectors' <i>Helv. Phys. Acta</i> , 45, 921-2 (1972) <i>Comment</i> : S. Cl (8-30 MeV) -> Mica, Quartz, Spinel, Sapphire	1972-Balz
1972	Ward, D. Graham, R. L. Geiger, J. S. 'Measurement of Stopping Power for 4He, 16O and 35Cl Ions at =1 to =3 MeV Per Nucleon in Ni, Ge, Y, Ag, and Au' <i>Can. J. Phys.</i> , 50, 2302-12 (1972) <i>Comment</i> : S. 3-15 MeV He, 8-66 MeV O, 10-90 MeV 35Cl -> Ni, Ge, Y, Ag, Au	1972-Ward
1975	Morin, P. Vicario, E. Davenas, J. Perez, A. Thevenard, P. 'Observation by Scanning Electron Microscopy of Radiation Damage Produced in LiF by Ionic Bombardments' <i>Rad. Effects</i> , 26, 149-154 (1975) <i>Comment</i> : dR. 2 MeV H, 56 MeV Cl -> LiF	1975-Mori
1976	Forster, J. S. Ward, D. Andrews, H. R. Ball, G. C. Costa, G. J. 'Stopping Power Measurements for 19F, 24Mg, 27Al, 32S and 35Cl at Energies 0.2 to 3.5 MeV/Nucleon in Ti, Fe, Ni, Cu, Ag and Au.' <i>Nucl. Inst. Methods</i> , 136, 349-59 (1976). <i>Comment</i> : S. 2.2 MeV H, 0.2-3.5 MeV/amu F, Mg, Al, S, Cl -> Ti, Fe, Ni, Cu, Ag, Au	1976-Fors

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1978	Bottiger, J. 'A Review on Depth Profiling of Hydrogen and Helium Isotopes Within the Near-Surface Region of Solids by Use of Ion Beams' <i>J. Nucl. Mater.</i> , 78, 161-181 (1978) <i>Comment</i> : R, dR. 10 MeV 16O, 30 MeV 35Cl, 40 MeV 79Br -> Ni	1978-Bott
1978	Schmidt-Bocking, H. Hornung, H. 'Energy Straggling of Cl Ions in Gases' <i>Z. Physik A</i> , 286, 253-261 (1978) <i>Comment</i> : dS. 9.4, 17.1, 27.1, 39.4 MeV Cl -> Ar-CH4, Isobutane	1978-Schm
1979	Ahmed, N. A. G. Christodoulides, C. E. Carter, G. 'The Depth Distribution of Disorder Produced by Room Temperature 30 keV Ar+ and Cl+ Ion Irradiation of Silicon' <i>Phys. Letters</i> , 69A, 431-435 (1979) <i>Comment</i> : R, dR. 30 keV Ar, Cl -> Si	1979-Ahme
1979	Andrews, H. R. Lennard, W. N. Mitchell, I. V. Ward, D. Phillips, D. 'Low Energy Stopping Powers Determined by Time of Flight Techniques' <i>IEEE Trans. Nucl. Sci.</i> , NS-26, 1326-1330 (1979) <i>Comment</i> : S. (0.180 <vel.< 0.219 cm/ns) (6 <= Z1 <= 20)-> C, Al, Ni, Ag, Au	1979-Andr
1979	Santry, D. C. Werner, R. D. Westcott, O. M. 'The Range of 120 keV Ions in Solids' <i>IEEE Trans. Nucl. Sci.</i> , NS-26, 1331-1334 (1979) <i>Comment</i> : R, dR. 120 keV Mg, Al, P, S, Cl, K, Ar, Cr, Mn, Cu, Zn, Ga, As, Br, Kr, Rb, Ag, In, Sn, Sb, Te, I, Xe, Cs, Ba, Pr, Au, Hg, Tl, Pb, Bi -> Be, C, Al, Si	1979-Sant
1979	Ward, D. Andrews, H. R. Mitchell, I. V. Lennard, W. N. Walker, R. B. 'Systematics for the Z1-Oscillation in Stopping Powers of Various Solid Materials' <i>Can. J. Phys.</i> , 57, 645-656 (1979). <i>Comment</i> : S. (vel.=0.18-0.22 cm/ns) C, N, O, F, Ne, Na, Mg, Al, Si, P, S, Cl, Ar, K, Ca -> C, Al, Ni, Ag, Au	1979-Ward
1981	Anthony, J. M. Parker, P. D. Lanford, W. A. 'Z1*3, Z1*4 Corrections to Heavy Ion Energy Loss' <i>IEEE Trans. Nucl. Sci.</i> , NS-28, 1227-1229 (1981) <i>Comment</i> : S. Si, Cl, Ti, Fe, Ni, Ge, Br (0.4-2.5 MeV/amu) -> Cu, Ag	1981-Anth2
1982	Anthony, J. M. Lanford, W. A. 'Stopping Power and Effective Charge of Heavy Ions in Solids' <i>Phys. Rev. A</i> , 25 (4), 1868-1879 (1982) <i>Comment</i> : S. C, Si, Cl, Ti, Fe, Ni, Ge, Br, Nb, I (0.1-3.5 MeV/amu) -> C, Al, Cu, Ag, Au	1982-Anth
1985	Iwase, A. Sasaki, S. Iwata, T. Nihira, T. 'Calorimetric Measurements of Stopping Power of Al and Ni for Cl and C Ions' <i>J. Phys. Soc. Jap.</i> , 54 (5), 1750-1756 (1985) <i>Comment</i> : S. C, Cl (2.8-5.1 MeV/amu) -> Al, Ni	1985-Iwas

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1985	Shima, K. 'Charge States of Fast Heavy Ions in Solids- Target Atomic Number Dependence' <i>Nucl. Inst. Methods, B10/11, 45-48 (1985)</i> <i>Comment : S, F, Si, Cl, Cu (29-117 MeV) -> 20 metal foils (charge state analysis)</i>	1985-Shim
1986	Lennard, W. N. Geissel, H. Phillips, D. Jackson, D. P. 'Heavy Ion Stragglings: Possible Evidence for Inner-Shell Excitation' <i>Phys. Rev. Letters, 57, 318-320 (1986)</i> <i>Comment : dS.F, Ne, Na, Mg, Al, Si, P, S, Cl, Ar, K, Sc (16 keV/amu) -> C</i>	1986-Lenn
1986	Lennard, W. N. Geissel, H. Jackson, D. P. Phillips, D. 'Electronic Stopping Values for Low Velocity Ions ($9 \leq Z1 \leq 92$) in Carbon Targets' <i>Nucl. Inst. Methods, B13, 127 (1986)</i> <i>Comment : S. (16 keV/amu) F, Ne, Na, Mg, Al, P, Cl, Ar, K, Sc, Cr, Mn, Cu, Kr, Nb, Ag, In, Xe, Sm, Yb, Au, Bi, U -> C</i>	1986-Lenn2
1989	Tikkanen, P. 'Electronic Stopping Power of Ta for $Z=11-18$ Atoms at Energies 0-0.8 MeV/amu' <i>Nucl. Inst. Methods, B36, 103 (1989)</i> <i>Comment : S, Na, Mg, Al, Si, P, S, Cl, Ar (0-0.8 MeV/amu) -> Ta</i>	1989-Tikk
1990	Raisanen, J. Rauhala, E. 'Stopping Powers and Energy Loss of Mylar, Kapton, Havar and Ni for 10 Ions ($Z= 3-17$) in the Energy Range 0.2-2.1 MeV/amu' <i>Phys. Rev. B, 41, 3951-3958 (1990)</i> <i>Comment : S, B, C, N, O, Al, Si, P, Cl (0.2-2.1 MeV/amu) -> Mylar, Kapton, Havar, Ni</i>	1990-Rais
1991	Lu, X. Xia, Z. Zhou, K. Jin, C. Yang, X. 'A New Method for Measuring Stopping Powers by ERD' <i>Nucl. Inst. Methods, B58, 280-282 (1991)</i> <i>Comment : S, F, Cl (0.29-0.42 MeV/amu) -> Ag</i>	1991-Lu
1995	Randhawa, G. S. Garg, A. K. Virk, H. S. 'Range Study of Heavy Ions in Plastic Track Detectors' <i>Rad. Meas. (UK), 24, 197-199 (1995)</i> <i>Comment : R. Heavy Ions (10-17 MeV/amu) -> Lexan</i>	1995-Rand
1996	Gelfort, S. Kerkow, H. Stolle, R. Petukhov, V. P. Romanowski, E. A. 'Angular Dependence of the Electronic Energy Loss for Low Energy Heavy Ions under Channeling Conditions' <i>Nucl. Inst. Methods, B115, 315-318 (1996)</i> <i>Comment : S. Channeling of ions He to Kr in Si <110></i>	1996-Gelf
1996	Hari, K. V. Pathak, A. P. Sharma, S. K. Shyam, K. Nath, N. 'Energy Loss of MeV Heavy Ions in Carbon' <i>Nucl. Inst. Methods, B108, 223-226 (1996)</i> <i>Comment : S. Z1 (O - Cu) at 0.1-1.0 MeV/amu -> C</i>	1996-Hari

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1999	Jiang, W. Grotzschel, W. Pilz, W. Schmidt, B Moller, W. 'Random and Channeling Stopping Powers and Charge State Distributions in Silicon for 0.2 - 1.2 MeV/u Positive Heavy Ions' <i>Phys. Rev. B, 59, 226-234 (1999)</i> <i>Comment : S. Li, B, C, N, O, P, Cl (0.2 - 1.2 MeV/u) -> Si</i>	1999-Jian
1999	Sharma, A. Kumar, S. Sharma, S. K. Nath, N. Harikumar, V. 'An Experimental Study of Stopping Power for MEV Heavy Ions' <i>J. Phys. G, Nucl. Part. Phys., 25, 135 (1999)</i> <i>Comment : S. Cl, K, Ca, Sc, Ti, V, Mn, Cu (0.1 - 0.6 MeV/u) -> C</i>	1999-Shar
2000	Sharma, A. Kumar, S. Sharma, S. K. Diwan, P. K. Nath, N. 'Stopping Power of Mylar for Heavy Ions up to Copper' <i>Nucl. Inst. Methods, B170, 323-328 (2000)</i> <i>Comment : S. Na, Al, Cl, Sc, Ti, V, Cr, Mn, Ni, Cu (0.3 - 2.3 MeV/u) -> Mylar</i>	2000-Shar
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
2008	Diwan, P.K. Sharma, V. Pratibha, S. Kumar, S. Khan, S.A. 'Stopping force of 0.5-3.5 MeV/u Cl ions in polymers ' <i>Nucl. Instrum. Methods Phys.Res. B 266, 4738 (2008)</i> <i>Comment : S. Cl (0.5-3.5 MeV/u) -> LR-115, Kapton</i>	2008-Diwa
2008	Sharma, V. Diwan, P.K. Pratibha, Kumar, S. Khan, S.A. 'Stopping power of polymeric foils for swift heavy ions.' <i>Nucl. Instrum. Methods B 266, 3988 (2008)</i> <i>Comment : S. Si, Cl, Ti (1.0-4.5 MeV/u) -> polypropylene, polyethylene naphthalate (PEN)</i>	2008-Shar