Citations for Ion : Mg

Pub. Year	Authors, Title, Journal Citation and Comments	Citation Numb
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**
1962	Zimen, K. E. Ertel, D. **'Kernruckstoss in Festkorpern 2. Die Reaktion Al27(n,p)Mg27.'** ***Nukleonika, 4, 231-32 (1962)*** *Comment : R. 328 keV 27Mg -> Al*	**1962-Zime**
1963	Csikai, J. Bornemisza, P. Hunyadi, I. **'Nuclear Recoil in 14.8 MeV Neutron Reactions.'** ***Nucl. Inst. Methods, 24, 227-28 (1963)*** *Comment : R. 1.95 MeV 27Mg, 3.81 MeV 24Na -> Al*	**1963-Csik**
1966	Fastrup, B. Hvelplund, P. Sautter, C. A. **'Stopping Cross Section in Carbon of 0.1-1.0 MeV Atoms with 5<Z<20'** ***Kgl. Danske Videnskab. Selskab. Mat. Fys.Medd., 35, No. 10, 1-28 (1966)*** *Comment : S. (80-900 keV) H, C, N, O, F, Ne, Na, Mg, Al, Si, P, S, Cl, Ar->C*	**1966-Fast**
1968	Biersack, J. P. **'Range of Recoil Atoms in Isotropic Stopping Materials'** ***Z. Physik, 211, 495-501 (1968)*** *Comment : R. (96-1335 keV) Al,Na, Mn, Mg, Co, Cu, Ra -> Al, Fe, Ni, Ar, Ne, O2, N2, CH4, He, H2, CuO, Al2O3*	**1968-Bier**
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.'** ***Phys. Rev., 165, 485-93 (1968)*** *Comment : R, dR. Ion(Z1=12-81, E=0.22-5.2 MeV) -> V, Ni, Zr, Au*	**1968-Bowm**
1968	Eisen, F. H. **'Channeling of Medium-Mass Ions through Silicon'** ***Can. J. Phys., 46, 561-72 (1968)*** *Comment : S. 100-500 keV B, C, N, O, F, Ne, Na, Mg, Al, Si, P, Cl, Ar, K -> Si (Cryst.)*	**1968-Eise**
1968	Fastrup, B. Borup, A. Hvelplund, P. **'Stopping Cross Section in Atmospheric Air of 0.2 - 0.5 MeV Atoms with 6 <= Z1 <= 24.'** ***Can. J. Phys., 46, 489-95 (1968)*** *Comment : S. (100-1000 keV) C, N, O, Ne, N, Mg, P, S, Cl, Sc, Ca, Ti Al, Ar, K, Cr -> Air*	**1968-Fast**
1969	Bottiger, J. Bason, F. **'Energy Loss of Heavy Ions Along Low-Index Directions in Gold Single Crystals'** ***Rad. Effects, 2, 105-10 (1969)*** *Comment : 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**

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1969	Macdonald, J. R. Sidenius, G. **'The Total Ionization in Methane of Ions with 1 <= Z1 <= 20 at Energies from 10 to 120 keV'** ***Phys. Letters A, 28, 543-44 (1969)*** *Comment : 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**
1971	Hvelplund, P. **'Energy Loss and Straggling of 100-500 keV Atoms with 2 ó Z1 ó 12 in Various Gases'** ***Kgl. Danske Videnskab. Selskab Mat. Fys. Medd., 38, No. 4, P. 1-25 (1971)*** *Comment : S,dS. (100-500 keV) He, Li, Be, B, C, N, O, F, Ne, Na, Mg -> Air, He, Ne, H2, O2*	**1971-Hvel**
1972	Hogberg, G. Skoog, R. **'Non-Evidence for Z1, Oscillations of the Nuclear Ion-Atom Interaction in an Amorphous Target'** ***Rad. Effects, 13, 197-202 (1972)*** *Comment : S. 50 keV Li, B, C, N, O, F, Ne, Na, Mg, P, Ar -> C*	**1972-Hogb**
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.'** ***Nucl. Inst. Methods, 136, 349-59 (1976).*** *Comment : S. 2.2 MeV H, 0.2-3.5 MeV/amu F, Mg, Al, S, Cl -> Ti, Fe, Ni, Cu, Ag, Au*	**1976-Fors**
1977	Anttila, A. Bister, M. Fontell, A. Winterbon, K. B. **'Ranges of Some Light Ions Measured by (p,gamma) Resonance Broadening'** ***Rad. Effects, 33, 13-19 (1977)*** *Comment : R. 20-100 keV 13C, 23Na, 26Mg, 27Al, 34S -> Ta; 29Si -> Al*	**1977-Antt**
1978	Alexander, T. K. Forster, J. S. Ball, G. C. Davies, W. G. Winterbon, K. B. **'Z1 and Z2 Variations in the Stopping Powers of Z1=10-18 Ions Deduced from DSAM Lifetime Measurements'** ***Phys. Letters, 74B, 183-186 (1978)*** *Comment : S. Ne, Na, Mg, Al, Si, P, S, Ar (3-4 MeV) -> Cu, Ni, Ta, Au, Mg, Ca, Ti, Ba. Doppler shift lifetime measurements.*	**1978-Alex**
1979	Andrews, H. R. Lennard, W. N. Mitchell, I. V. Ward, D. Phillips, D. **'Low Energy Stopping Powers Determined by Time of Flight Techniques'** ***IEEE Trans. Nucl. Sci., NS-26, 1326-1330 (1979)*** *Comment : 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'** ***IEEE Trans. Nucl. Sci., Ns-26, 1331-1334 (1979)*** *Comment : 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**

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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'** ***Can. J. Phys., 57, 645-656 (1979).*** *Comment : 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**
1979	Williamson, K. R. Theis, W. M. Yun, S. S. Park, Y. S. Ehret, J. E. **'Glow-Discharge Optical Spectroscopy Measurement of B-, Ge-, and Mg- Implanted GaAs'** ***J. Appl. Phys., 50, 8019-8024 (1979)*** *Comment : R, dR. 60-120 keV B, Ge, Mg -> GaAs*	**1979-Will**
1979	Yeo, Y. K. Park, Y. S. Yu, P. W. **'Electrical Measurements and Optical Activation Studies in Mg-Implanted GaAs'** ***J. Appl. Phys., 50, 3274-3281 (1979)*** *Comment : R, dR. 120 keV Mg -> GaAs (Cr-Doped)*	**1979-Yeo**
1981	Muminov, A. I. Akilov, F. S. **'Determination of Stopping Cross Sections for 7Li, 12C, 23Na, 26Mg and 27Al by the Doppler Broadening of Gamma-Rays Emitted by these Nuclei'** ***Sov. J. Nucl. Phys., 34 (1), 7-10 (1981)*** *Comment : S. Li, C, Na, Mg, Al (25 keV/amu) -> 75 elements and compounds*	**1981-Mumi**
1983	Wach, W. Wittmaack, K. **'Ranges of Low Energy Light Ions in Amorphous Silicon'** ***Phys. Rev. B, 27 (6), 3528-3537 (1983)*** *Comment : R, dR. Li, B, N, O, F, Na, Mg, Al ((1-20 keV) -> Si*	**1983-Wach**
1986	Lennard, W. N. Geissel, H. Phillips, D. Jackson, D. P. **'Heavy Ion Straggling: Possible Evidence for Inner-Shell Excitation'** ***Phys. Rev. Letters, 57, 318-320 (1986)*** *Comment : dS.F, Ne, Na, Mg, Al, Si, P, S, Cl, Ar, K, Sc (16 keV/amu) -> C*	**1986-Lenn**
1986	Lennard, W. N. Geissel, H. Jackson, D. P. Phillips, D. **'Electronic Stopping Values for Low Velocity Ions (9 <= Z1 <= 92) in Carbon Targets'** ***Nucl. Inst. Methods, B13, 127 (1986)*** *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*	**1986-Lenn2**
1986	Lennard, W. N. Geissel, H. **'Energy Loss and Energy Loss Straggling for Heavy Ions'** ***Nucl. Inst. Methods, B27, 338 (1986)*** *Comment : S,dS. Ar, Mg (16 keV/amu) -> C, Al (thickness and angular effects)*	**1986-Lenn3**
1989	Tikkanen, P. **'Electronic Stopping Power of Ta for Z=11-18 Atoms at Energies 0-0.8 MeV/amu'** ***Nucl. Inst. Methods, B36, 103 (1989)*** *Comment : S. Na, Mg, Al, Si, P, S, Cl, Ar (0-0.8 MeV/amu) -> Ta*	**1989-Tikk**

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Pub. Year	Authors, Title, Journal Citation and Comments	Citation Numb
1990	Arstila, K. Keinonen, J. Tikkanen, P. **'Stopping Power for Low Velocity Heavy Ions: 0-1.0 MeV Mg Ions in 17 (z2=22-79) Elemental Solids'** ***Phys. Rev. B, 41, 6117-6123 (1990)*** *Comment : S. Mg (0-1.0 MeV/amu) -> Ti, V, Fe, Co, Ni, Cu, Ge, Nb, Mo, Pd, Ag, Hf, Ta, W, Re, Pt, Au*	**1990-Arst**
1991	Arstila, K. Keinonen, J. Tikkanen, P. **'Stopping Power for Low-Velocity Mg Ions in Si, Ge and GaAs'** ***Phys. Rev. B, 43, 13967-13970 (1991)*** *Comment : S. Mg (0-0.8 MeV/amu) -> Si, Ge, GaAs*	**1991-Arst**
1991	Kuronen, A. **'A Study of Stopping Power using Nuclear Methods'** ***Comm. Physico-Math. (Finland), 122, 1-36 (1991)*** *Comment : S. Ion [Z=3-22] at (0-0.4 Vo) -> Solids (Z=14-82)*	**1991-Kuro**
1994	Jakob, G. Cub, J. Speidel, K. H. Kremeyer, S. Busch, H. **'On the Ion Beam Stopping Power Dependence of Transient Magnetic Fields in Fe- and Gd- Hosts'** ***Z. Physik D, 32, 7-11 (1994)*** *Comment : S. Mg, Si, Ti -> Fe and Gd compounds*	**1994-Jako**
1995	Randhawa, G. S. Garg, A. K. Virk, H. S. **'Range Study of Heavy Ions in Plastic Track Detectors'** ***Rad. Meas. (UK), 24, 197-199 (1995)*** *Comment : R. Heavy Ions (10-17 MeV/amu) -> Lexan*	**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'** ***Nucl. Inst. Methods, B115, 315-318 (1996)*** *Comment : S. Channeling of ions He to Kr in Si <110>*	**1996-Gelf**
1996	Hari, K. V. Pathak, A. P. Sharma, S. K. Shyam, K. Nath, N. **'Energy Loss of MeV Heavy Ions in Carbon'** ***Nucl. Inst. Methods, B108, 223-226 (1996)*** *Comment : S. Z1 (O - Cu) at 0.1-1.0 MeV/amu -> C*	**1996-Hari**
2001	Diwan, P. K. Sharma, A. Kumar, S. **'Stopping Power for Heavy Ions (2<Z1<36) in Solids at Energies about 0.5-2.5 MeV/u'** ***Nucl. Inst. Methods, B174, 267-273 (2001)*** *Comment : S. Li, B, N, F, Na, Mg (0.5 - 2.5 MeV/u) -> Pd,Gd,Lu,Ta,Au,Ni,Cr39,CR-39,Mylar,Kapton,LR-115,Havar,Polycarbonate*	**2001-Diwa**
2001	Zhang, Y. Possnert, G. Whitlow, H. J. **'Measurements of the Mean Energy-Loss of Swift Heavy Ions in Carbon with High Precision'** ***Nucl. Inst. Methods, B183, 34-37 (2001)*** *Comment : S. Li,Be, B, C, N, O, F,Na,Mg,Al,Si,Cr,Mn,Fe (100 - 800 keV/u) -> C*	**2001-Zhan**

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2002	Whitlow, H. J. Timmers, H. Elliman, R. G. Weijers, T. D. Zhang, Y. **'Measurement and Uncertianties of Energy Loss in Silicon over a Wide Z1 Range using Time-of-Flight Detector Telescopes'** ***Nucl. Inst. Methods, B195, 133-146 (2002)*** *Comment : S. Li, Be, B, C, N, O, F, Na, Mg, Al, Si, P, Mn, Fe -> Si*	**2002-Whit2**
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**
2004	Greife, U. Bishop, S. Buchmann, L. Chatterjee, M. L. Chen, A. A. **'Energy Loss Around the Stopping Power Maximum of Ne, Mg and Na Ions in Hydrogen Gas'** ***Nucl. Inst. Methods, B217, 1-6 (2004)*** *Comment : S. Ne, Mg and Nna -> H (gas)*	**2004-Grei**
2004	Zhang, Y. Weber, W. Whitlow, H. J. **'Electronic Stopping Powers for Heavy Ions in Silicon'** ***Nucl. Inst. Methods, B215, 48-56 (2004)*** *Comment : S. 14 light ions (Be-Cu) -> Si*	**2004-Zha3**
2005	Zhang, Yanwen Weber, W. J. McCready, D.E. Grove, D.A. Jensen, J. **'Experimental determination of electronic stopping for ions in silicon dioxide'** ***Appl. Phys. Lett. 87, 104103 (2005)*** *Comment : S. Be - Si (0.05 - 1.3 MeV/n) -> SiO2*	**2005-Zha2**
2010	Msimanga, M. Comrie, C.M. Pineda-Vargas, C.A. Murray, S. **'Experimental stopping powers of Al, Mg, F and O ions in ZrO/sub 2/ in the 0.1-0.6MeV/u energy range'** ***Nucl. Instrum. Methods B 268, 1772 (2010)*** *Comment : S. Al (0.13-0.48 MeV/u), F (0.14-0.55 MeV/u, Mg (0.14-0.50 MeV/u), O (0.16-0.63 MeV/u) -> ZrO2*	**2010-Msim**