Citations for Ion : Ar

Pub. Year	Authors, Title, Journal Citation and Comments	Citation Numb
1953	Evans, G. E. Stier, P. M. Barnett, C. F. **'The Stopping of Heavy Ions in Gases'** ***Phys. Rev., 90, 825-32 (1953)*** *Comment : R. 20-250 keV He, N, Ne, Ar -> He, N2, Ar, Air*	**1953-Evan**
1961	Burtt, R. B. Colligon, J. S. Lech, J. H. **'Sorption and Replacement of Ionized Noble Gases at a Tungsten Surface'** ***Brit. J. Appl. Phys., 12, 396-400 (1961)*** *Comment : R. 2.7 keV Ar, Kr -> W*	**1961-Burt**
1962	Martin, F. W. Northcliffe, L. C. **'Energy Loss and Effective Charge of He, C, and Ar Ions'** ***Phys. Rev., 128, 1166-1174 (1962)*** *Comment : S. He, C, Ar (4-400 MeV) -> H, He, N, Ar*	**1962-Mart**
1962	Powers, D. Whaling, W. **'Range of Heavy Ions in Solids'** ***Phys. Rev., 126, 61-69 (1962)*** *Comment : R. 50-500 keV N, Ne, Ar, Kr, Xe -> Be, B, C, Al*	**1962-Powe**
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**
1963	Brown, F. Davies, J. A. **'The Effect of Energy and Integrated Flux on the Retention of Inert Gas Ions Injected at keV Energies in Metals'** ***Can. J. Phys., 41, 844-57 (1963)*** *Comment : R, dR. 40 keV Ar, 30, 40, keV Ar, Xe -> Al*	**1963-Brow**
1963	Davies, J. A. Brown, F. Mccargo, M. **'Range of Xe133 and Ar41 Ions of Kiloelectron, Volt Energies in Aluminum'** ***Can. J. Phys., 41, 829-43 (1963)*** *Comment : R, dR. 0.7 keV - 2.25 MeV Ar, 0.5 - 240 keV Xe -> Al*	**1963-Davi**
1963	McCargo, M. Davies, J. A. Brown, F. **'Range of Xe133 and Ar41 Ions of keV Energies in Tungsten'** ***Can. J. Phys., 41, 1231-44 (1963)*** *Comment : R, dR. 2-200 keV 133Xe, 41Ar -> W, 40 keV 85Kr -> WO3*	**1963-McCa2**
1964	Domeij, B. Brown, F. Davies, J. A. Mccargo, M. **'Ranges of Heavy Ions in Amorphous Oxides'** ***Can. J. Phys., 42, 1624-34 (1964)*** *Comment : R, dR. 0.5-160 keV 24 Na, 41Ar, 85Kr, 125Xe -> Al2O3, WO3*	**1964-Dome2**

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Pub. Year	Authors, Title, Journal Citation and Comments	Citation Numb
1964	Kornelsen, E. V. Brown, F. Davies, J. A. Domeij, B. Piercy, G. R. **'Penetration of Heavy Ions of keV Energies into Monocrystalline Tungsten'** ***Phys. Rev. A, 136, 849-58 (1964)*** *Comment : R, dR. 0.3-160 keV 24Na, 41Ar, 85Kr, 125Xe, 138Xe -> W*	**1964-Korn**
1964	Morbitzer, L. Scharmann, A. **'Messung der Eindringtiefe von Elektronen und Ionen in Dunnen Aufdampfschichten'** ***Z. Physik, 181, 67-86 (1964)*** *Comment : R. 1-10 keV H, 1-12 keV He, 1-30 keV Ne, Ar -> LiF, NaF, MgF2, CaF2, ZnS.*	**1964-Morb**
1964	Pavlov, P. V. Zorin, E. I. Tetelbaum, D. I. Popov, Ya. S. **'The Depth of Penetration and the Distribution of Radiation Defects in Germanium Bombarded by Argon and Nitrogen Ions'** ***Fiz. Tverd. Tela, 6, 3222-26 (1964). [Engl. Trans. Sov. Phys. Solid State, 6, 2577-80 (1964).*** *Comment : R. 46-82 keV Ar, N -> Ge*	**1964-Pavl**
1965	Boring, J. W. Strohl, G. E. Woods, F. R. **'Total Ionization in Nitrogen by Heavy Ions of Energies 25 to 50 keV'** ***Phys. Rev. A, 140, 1065-69 (1965).*** *Comment : S. 25-50 keV H, He, C, N, O, Ar -> N2*	**1965-Bori**
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**
1966	Hayden, H. C. Amme, R. C. **'Low Energy Ionization of Argon Atoms by Argon Atoms'** ***Phys. Rev., 141, 30-31 (1966)*** *Comment : S. 30 - 2900 eV Ar -> Ar*	**1966-Hayd**
1967	Hastings, L. Ryall, P. R. VanWijngaarden, A. **'The Energy Loss of Heavy Ions in ZnS: Ag in the keV Range'** ***Can. J. Phys., 45, 2334-42 (1967)*** *Comment : S. (5-100 keV) H, He, N, Ar, Kr -> ZnS:Ag*	**1967-Hast**
1967	Hastings, L. VanWijngarden, A. **'The Energy Loss, the Detoriation Depth and the Light Output for Heavy Ions in Zno:Zn'** ***Can. J. Phys., 45, 4039-51 (1967)*** *Comment : S Rel. To P. 10-100 keV He, N, Ar, Kr -> ZnO:Zn*	**1967-Hast2**
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**

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Pub. Year	Authors, Title, Journal Citation and Comments	Citation Numb
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**
1968	Powers, D. Chu, W. K. Bourland, P. D. **'Range of Ar, Kr, and Xe Ions in Solids in the 500 keV to 2 MeV Energy Region'** ***Phys. Rev., 165, 376-87 (1968)*** *Comment : R, dR. (0.5 - 2.0 MeV) C,Ar, Kr, Xe -> Be, Al, V, Ni, Cu; S.(0.6 - 2.0 MeV) H -> V*	**1968-Powe**
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**
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**
1970	Bach, H. **'Zur Bestimmung der Reichweiten von Beschleunigten Ionen in Dunner Oxidschichten'** ***Z. Angew. Phys., 28, 239-44 (1970)*** *Comment : R. 4.2-5.6 keV Ar -> SiO2, TiO2*	**1970-Bach**
1970	Hogberg, G. Norden, H. Berry, H. G. **'Angular Distributions of ions Scattered in Thin Carbon Foils'** ***Nucl. Inst. Methods, 90, 283-288 (1970)*** *Comment : S. H, D, He, Li, N, Ne, Ar (3-45 keV) -> C Energy loss vs. Angular Effects.*	**1970-Hogb2**
1970	Schalch, D. Scharmann, A. **'Eindringtiefen von Ionen in CaF2-Und Rb-Aufdampfschichten'** ***Z. Angew. Phys, 29, 111-13 (1970)*** *Comment : R. 10-80 keV H, He, Ne, Ar, Kr, Xe -> CaF2, Rb*	**1970-Scha**
1971	Hogberg, G. **'Electronic and Nuclear Stopping Cross Sections in Carbon'** ***Phys. Stat. Sol. B, 48, 829-41 (1971)*** *Comment : S. (10-46 keV) Li, B, N, C, O, F, Ne, Na, P, Ar -> C*	**1971-Hogb**

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Pub. Year	Authors, Title, Journal Citation and Comments	Citation Numb
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**
1972	Langley, R. A. **'Range-Energy Relations for N, Na, and Ar Ions (0.3 - 2.0 MeV) in Ar, N2, O2, and Air.'** ***Phys. Rev. A, 6, 1863-69 (1972)*** *Comment : R. 0.3-2.0 MeV N, Na -> Air; 0.3-1.0 MeV Ar -> Air, N2, O2, Ar*	**1972-Lang**
1973	Carriveau, G. W. Beauchemin, G. Knystautas, E. J. Pinnington, E. H. Drouin, R. **'Energy Loss Measurements of Low Energy Ions in Thin Carbon Foils'** ***Phys. Letters A, 46, 29-30 (1973)*** *Comment : S. Rel. To 60 keV P. 100, 200 keV N, Ne, Ar, Mn, Kr, Xe -> C*	**1973-Carr**
1973	Furukawa, S. Matsumura, H. **'Theoretical and Experimental Studies of Lateral Spread of Implanted Ions'** ***B.L. Crowder (Ed): Ion Implantation in Semiconductors and Other Materials. Plenum. N. Y. 193-202 (1973)*** *Comment : R,dR,dR(Lateral). 50 keV Ar; 100, 180 keV Kr -> Si*	**1973-Furu3**
1973	Lewis, R. K. Morabito, J. M. Tsai, J. C. C. **'Primary Oxygen Ion Implantation Effects on Depth Profiles by Secondary Ion Emmision Mass Spectrometry'** ***Appl. Phys. Letters, 23, 260-261 (1973)*** *Comment : R. 4.5 keV O, Ar -> Si*	**1973-Lewi**
1973	Schimmerling, W. Vosburgh, K. G. Todd, P. W. **'Measurements of Range in Matter for Relativistic Heavy Ions'** ***Phys. Rev. B, 7, 2895-99 (1973)*** *Comment : R.(40-270 MeV) N, Ne, Ar -> Polyethylene, Polymethylacrylat, Al, Cu, Pb*	**1973-Schi**
1974	Avdeichikov, V. V. Ganza, E. A. Lozhkin, O. V. **'Energy-Loss Fluctuation of Heavy Charged Particles in Silicon Absorbers'** ***Nucl. Inst. Methods, 118, 247-52 (1974)*** *Comment : dS. 7.7 MeV He, 255 MeV Ar -> Si*	**1974-Avde**
1974	Bach, H. **'Partial Disintegration and Charge of Concentration Profiles at Ion Bombarded Na Silicate Glass Surfaces'** ***Rad. Effects, 22, 73-78 (1974)*** *Comment : R. 5.6 keV Ar -> Na Silicate Glass*	**1974-Bach**

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Pub. Year	Authors, Title, Journal Citation and Comments	Citation Numb
1974	Bach, H. Kitzmann, I. Schroder, H. **'Sputtering Yields and Specific Energy Losses of Ar+ Ions with Energies from 5 to 30 keV at SiO2'** ***Rad. Effects, 21, 31-36 (1974)*** *Comment : S. 5-30 keV Ar -> SiO2*	**1974-Bach2**
1974	Blok, H. Kiely, F. M. Pate, B. D. Hanappe, F. Pelier, J. **'Further Measurement of the Track Length of Heavy Ions in Mica'** ***Nucl. Inst. Methods, 119, 307-12 (1974)*** *Comment : R. (2.7-160 MeV) Al, Ar, Ca, Cr, Ni, Se, Kr, Ag -> Mica*	**1974-Blok**
1974	Bontemps, A. Ligeon, E. Danielou, R. **'Channelling Studies of Ion Implantation Induced Lattice Defects in Zinc Telluride'** ***Rad. Effects, 22, 195-204 (1974)*** *Comment : R, dR. 120 keV Ar -> Zinc Telluride*	**1974-Bont**
1974	EerNisse, E. P. **'Compaction of Ion Implanted Fused Silica'** ***J. Appl. Phys., 45, 167-174 (1974)*** *Comment : R. H, He, O, Ne, Ar (150-300 keV) -> SiO2 One of the earliest SiO2 compaction studies.*	**1974-EerN**
1974	Grant, W. A. Williams, J. S. Dodds, D. **'Measurement of Projected and Lateral Range Parameters for Low Energy Heavy Ions in Silicon by Rutherford Backscattering'** ***Meyer, G. Linker and F. Kappeler (Ed.):Ion Beam Surface Layer Analysis, Plenum, N. Y., P. 235-44 (1974)*** *Comment : R, dR, dR(Lateral). 10-80 keV Pb, 50-400 keV Bi, 40 keV Ar, Cu, Kr, Cd, Al, Dy, W -> Si*	**1974-Gran**
1974	Kamitsubo, H. **'Heavy Ion Science'** ***Oyo Buturi (Japan), 43, 1019-28 (1974)*** *Comment : S, dS. H, He, C, O, Ar, Xe (1, 10 MeV/amu) -> H2O*	**1974-Kami**
1974	Pavlov, P. V. Popov, Y. S. Belich, T. V. **'Distribution of Recombination Centers Produced by Bombardment of Silicon with Moderate-Energy Ions'** ***Sov. Phys. Semicond., 8, 602-603 (1974)*** *Comment : R. 50 keV N, Ar -> Si*	**1974-Pavl**
1975	Beauchemin, G. Drouin, R. **'Angular Behaviour of Stopping Powers in Carbon for Heavy Ions Below 250 keV'** ***J. L. Duggan, I. L. Morgan (Ed.): Proc. 3rd Int. Conf. Appl. of Small Accelerators. Erda Tech. Info.Cntr.741040-P1, P.336-46 (1975)*** *Comment : S. Dep. On Scatt. Angle 50-250 keV Ar -> C*	**1975-Beau**
1975	Efken, B. Hahn, D. Hilscher, D. Wustefeld **'Energy Loss and Energy Loss Straggling of N, Ne and Ar Ions in Thin Targets'** ***Nucl. Inst. Methods, 129, 219-225 (1975).*** *Comment : S, dS. (10-15 MeV) N, Ne, Ar -> N2, He, SFH, Ar, C, SF6,*	**1975-Efke**

Citations for Ion : Ar

Pub. Year	Authors, Title, Journal Citation and Comments	Citation Numb
1975	Gashtol'D, V. N. Gerasimenko, N. N. Dvurechenskii, A. V. Smirnov, L. S. **'Profiles of Defects Produced by the Implantation of Ions in Silicon'** ***Sov. Phys. Semicond., 9, 551-553 (1975)*** *Comment : R. Profiles Of Defects (40-250 keV) Ar, B, P -> Si*	**1975-Gash**
1976	Avdeichikov, V. V. Ganza, E. A. Lozhkin, O. V. **'Energy Resolution of Thin Semiconductor Delta-E Detectors for Alpha Particles and Heavy Ions'** ***Nucl. Inst. Methods, 131, 61-68 (1976)*** *Comment : dS. (1-200 MeV) He, C, N, O, Ne, Ar -> Si*	**1976-Avde**
1976	Benmalek, M. Thomas, J. P. Mackowski, J. M. **'Ion-Bombardment of Amorphous Semiconductors and Related Evolution of Structural and Electrical Properties'** ***Ion Implantation in Semiconductors, Ed. by F. Chernow, J. A. Borders, D. K. Brice, 637-647 (1976)*** *Comment : R. 20-300 keV Ne, Ar, Ge, Cd, Te, Xe, Au -> Ge*	**1976-Benm**
1976	Emmoth, B. Braun, M. Palenius, H. P. **'Implantation Profiles and Sputtering Studied by Detecting the Optical Radiation from Sputtered Particles Buring Bombardment'** ***J. Nucl. Mater., 63, 482-486 (1976)*** *Comment : R, dR. 10 keV Li -> Ag, V, 20 keV Li -> Si, 20-40 keV Li -> Al, 40 keV Ar -> Ag*	**1976-Emmo**
1976	Grob, A. Grob, J. J. Siffert, P. **'Energy Loss and Straggling of Heavy Ions by Nuclear Interactions in Silicon'** ***Nucl. Inst. Methods, 132, 273-79 (1976)*** *Comment : S, dS, Eta(Epsilon). 300-2000 keV C, N, O, Ne, Si, S, Ar -> Si*	**1976-Grob**
1976	Pringle, J. P. S. **'A Comparison of Sectioning Methods used to Measure Concentration Profiles in Anodic Oxides'** ***Can. J. Phys., 54, 56-65 (1976)*** *Comment : R. dR. (10-160 keV) Na, Ar, K, Kr, Xe -> Al2O3, Ta2O5, WO3, Ta2O5*	**1976-Prin**
1976	Skoog, R. Augenlicht-Jakobson, K. **'Elastic and Electronic Stopping Cross Sections for Sodium and Argon Projectiles in Carbon'** ***Rad. Effects, 27, 143-149 (1976)*** *Comment : S. Dep. On Scatt. Angle. 50-150 keV Na, 50-300 keV Ar -> C*	**1976-Skoo**
1977	Ndocko-Ndongue, V. B. Pape, A. J. Armbruster, R. **'Low Energy Stopping Powers of Some Heavy Ions in Gold'** ***Rad. Effects, 33, 91-93 (1977)*** *Comment : S. 50-500 keV 4He, 12C, 14N, 16O, 20Ne, 28Si, 40Ar -> Au*	**1977-Ndoc**

Pub. Year	Authors, Title, Journal Citation and Comments	Citation Numb
1978	Anderson, W. J. Park, Y. S. **'Flux and Fluence Dependence of Implantation Disorder in GaAs Substrates'** ***J. Appl. Phys., 49, 4568-4570 (1978)*** *Comment : R, dR. 100 keV Ne, Ar, Kr -> GaAs*	**1978-Ande3**
1978	Beauchemin, G. Drouin, R. **'The Energy-Angle Distribution of Heavy Particles Penetrating Solids: Experimental Test of the Meyer-Klein-Wedell Theory for Ne and Ar Ions in Carbon Below 250 keV'** ***Nucl. Inst. Methods, (1978)*** *Comment : S, dS. 40-120 keV Ne, 40-240 keV Ar -> C*	**1978-Beau**
1978	Beauchemin, G. Drouin, R. **'Study of Energy Loss Delta E vs. Theta as a Function of Emergence Angle for Neon and Argon Ions on Carbon'** ***Nucl. Inst. Methods, 149, 199-205 (1978)*** *Comment : S, dS. 40-120 keV Ne, 40-240 keV Ar -> C*	**1978-Beau2**
1978	Bimbot, R. DellaNegra, S. Gardes, D. Gauvin, H. Fleury, A. **'Stopping Power Measurements for 4-5 MeV/Nucleon 16O, 40Ar, 63Cu, and 84Kr in C, Al, Ni, Ag, and Au'** ***Nucl. Inst. Methods, 153, 161-169 (1978)*** *Comment : S. 4-5 MeV/amu 16O, 40Ar, 63Cu, 84Kr -> C, Al, Ni, Ag, Au*	**1978-Bimb**
1978	Cullis, A. G. Seidel, T. E. Meek, R. L. **'Comparative Study of Annealed Neon-, Argon-, and Krypton- Ion Implantation Damage in Silicon'** ***J. Appl. Phys., 49, 5188-5198 (1978)*** *Comment : R, dR. 80 keV 20Ne, 150 keV 40Ar, 300 keV 84Kr -> Si*	**1978-Cull**
1978	Nickel, F. Marx, D. Guttner, K. Hofmann, S. Munzenberg, G. **'Multiple Scattering and Energy Loss of Fast Heavy Ions in Thin Solid Targets'** ***Z. Physik A, 288, 125-131 (1978)*** *Comment : S, dS. 1.2 MeV/amu Ar, Kr, Xe, U -> C, Al, Ag, Au*	**1978-Nick**
1978	Pape, H. Clere, H. G. Schmidt, K. H. **'Energy Loss of Heavy Ions in Carbon Foils'** ***Z. Physik A, 286, 159-162 (1978).*** *Comment : S. 0.2-1.4 MeV Ar, Ti, Kr, Xe, Pb, U -> C*	**1978-Pape**
1978	Stephens, K. G. Wilson, I. H. **'Properties and Applications of Ion-Implanted Films'** ***Thin Solid Films, 50, 325-347 (1978)*** *Comment : R. 30 keV O -> Ta205, 60-80 keV Ar -> Ta*	**1978-Step**

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Pub. Year	Authors, Title, Journal Citation and Comments	Citation Numb
1979	Aframian, A. **'Dependence of the Stopping Power of Charged Particles in the Physical State of Organic Dielectric Compounds'** ***Appl. Phys., 19, 353-358 (1979)*** *Comment : S. He, Ar, Kr (1-40 MeV/amu) -> Cell-Nitrate, Polyethylene, Polystyrene, Mylar, Melinex*	**1979-Afra**
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'** ***Phys. Letters, 69A, 431-435 (1979)*** *Comment : 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'** ***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	Beauchemin, G. Drouin, R. **'The Energy-Angle Distribution of Heavy Particles Penetrating Solids: Experimental Test of the Meyer-Klein-Wedell Theory for Ne and Ar Ions in Carbon Below 250 keV'** ***Nucl. Inst. Methods, 160, 519-527 (1979)*** *Comment : S, dS. 40-120 keV Ne, 40-240 keV Ar -> C*	**1979-Beau**
1979	Gloeckler, G. Hsieh, K. C. **'Time-of-Flight Technique for Particle Identification at Energies 2-400 keV/amu'** ***Nucl. Inst. Methods, 165, 537-544 (1979)*** *Comment : S. H, He, C, N, Ne, Ar (3-100 keV/amu) -> C*	**1979-Gloe**
1979	Hirao, T. Inoue, K. Takayanagi, S. Yaegashi, Y. **'The Concentration Profiles of Projectiles and Recoiled Nitrogen in Si after Ion Implantation through Si3N4 Films'** ***J. Appl. Phys., 50, 193-201 (1979)*** *Comment : R, dR. 160 keV P -> Si, 355 keV As -> Si, 50 keV B -> Si, 200 keV Ar -> Si*	**1979-Hira2**
1979	Kappert, H. F. Sixt, G. Schwuttke, G. H. **'Minority Carrier Lifetime in Silicon afterAr+ and Si+ Implantation'** ***Phys. Stat. Sol. A, 52, 463-474 (1979)*** *Comment : R, dR. 200 keV Ar, 80 keV Si -> Si*	**1979-Kapp**
1979	Kiriakidis, G. Christodoulides, C. E. Carter, G. Colligon, J. S. **'A RBS Technique for Measurement of the Erosion Rate of Ion Implanted Films'** ***Appl. Phys., 19, 191-194 (1979)*** *Comment : R, dR. 10 keV Ar -> Al*	**1979-Kiri**
1979	Mertens, P. **'Influence of the Foil Structure on Energy Loss Spectra'** ***Preprint (1979) 9*** *Comment : dS. 300 keV He, Ne, Ar -> Cu*	**1979-Mert2**

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Pub. Year	Authors, Title, Journal Citation and Comments	Citation Numb
1979	Pham, M. T. **'A Very Simple Method for Profiling the Ion-Implanted Si-Surface'** ***Phys. Stat. Sol. A, 49, 261-265 (1979)*** *Comment : R. 30 keV Si, P, B, Ar, As; 12.2 keV In -> Si*	**1979-Pham**
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**
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**
1980	Besenbacher, F. Bottiger, J. Laursen, T. Loftager, P. Moller, W. **'Z1-Oscillations in Low-Energy Heavy-Ion Ranges'** ***Nucl. Inst. Methods, 170, 183-188 (1980)*** *Comment : R, dR. Atomic Numbers 18-92 (epsilon=.015) -> Si*	**1980-Bese2**
1980	Geissel, H. Armbruster, P. Kitahara, T. Kraft, G. Spieler, H. **'Energy Loss of Heavy Particles in Solid Materials'** ***Nucl. Inst. Methods, 170, 217 (1980)*** *Comment : S. 0.5-1.5 MeV/amu Ar, U -> 6 <= Z2 <= 92*	**1980-Geis**
1980	Heibei, J. Voges, E. **'Refractive Index of Ion-Implanted Fused Silica'** ***Phys. Stat. Sol. B, 57, 609-618 (1980)*** *Comment : R, dR. 100 keV He, Ar -> Si*	**1980-Heib**
1980	Hirao, T. Inoue, K. Fuse, G. Takayanagi, S. T. Yaegashi, Y. **'The Concentration Profiles of the Recoil Implanted Oxygen in Si afterIon Implantations into SiO2-Si Substrates'** ***Rad. Effects, 47, 95-98 (1980)*** *Comment : R, dR. 100-220 keV P, Ar, As -> Si*	**1980-Hira2**
1980	Nguyen, V. D. Chemtob, M. Chary, J. Posny, F. Parmentier, N. **'Recent Experimental Results on W-Values (Average Energy Loss per Ion Pair) for Heavy Particles'** ***Phys. Med. Biol., 25 (3), 509-518 (1980)*** *Comment : S. H, He, C, N, O, Ar (25-375 keV) -> CH4, CO2, N2 (ionization chamber)*	**1980-Nguy**
1981	Fukuda, A. **'Stopping Powers in Rare Gases for 40-200 keV Rare-Gas Ions'** ***J. Phys. B, Atom. and Molec. Phys.,14, 4533-4544 (1981)*** *Comment : S. He, Ne, Ar, Kr (40-200 keV) -> He, Ne, Ar, Kr, Xe (Note: stopping for ions of zero deflection)*	**1981-Fuku**

Citations for Ion : Ar

Pub. Year	Authors, Title, Journal Citation and Comments	Citation Numb
1981	Nagata, K. Kikuchi, J. Doke, T. Gruhn, C. R. **'Deposited Energy Losses of High Energy Heavy Ions in Thin Gas Layers'** ***Nucl. Inst. Methods, 188, 217 (1981)*** *Comment : S. C, Ne, Ar, Fe (450-1870 MeV/amu) -> Ar (P-5) mixture*	**1981-Naga**
1981	Salamon, M. H. Ahlen, S. P. Tarle, G. Creggin, K. C. **'Measurement of Higher Order Corrections to Stopping Power for Relativistic Ne, Ar and Fe Beams'** ***Phys. Rev. A, 23, 1, 73-76 (1981)*** *Comment : R. Ne, Ar, Fe (600 MeV/amu) -> Al, Ar, Pb, Air, Kapton, CO2, Lexan*	**1981-Sala**
1982	Geissel, H. Laichter, Yl Schneider, W. F. W. Armbruster, P. **'Energy Loss and Energy Loss Straggling of Fast Heavy Ions in Matter'** ***Nucl. Inst. Methods, 194, 21-29 (1982)*** *Comment : S. Heavy Ions (18 - 92) at 0.5-10 MeV/amu -> 17 Solids and 5 Gases*	**1982-Geis**
1982	Schultz, F. Brandt, W. **'Effective Charge of Low Velocity Ions in Matter: A Comparison of Theoretical Predictions with Data Derived from Energy Loss Measurements'** ***Phys. Rev. B, 26, 4864 (1982)*** *Comment : S. He, N, Ne, Ar (0.5-1.3 Vo) -> C, Al, Au*	**1982-Schu**
1983	Mannsperger, H. Kalbitzer, S. Demond, F. J. Damjantschitsch, H. **'Projection Factors of Low Energy Ion Ranges'** ***Nucl. Inst. Methods, 209/210, 49-55 (1983)*** *Comment : R. H, C, Na, Al, Si, Ar, Cr (.04<epsilon<1) -> Si, Ge*	**1983-Mann**
1983	Shchuchinsky, J Peterson. C. Brandt, W. **'Charge Depencence of Slow Ion Energy Losses in Transmission Experiments'** ***IEEE Trans. Nucl. Sci., NS-30, 1063 (1983)*** *Comment : S. Ar (250 keV) -> C, Al Au. Charge state effects.*	**1983-Shch**
1986	Bimbot, R. Gauvin, H. Orliange, I. **'Stopping Powers of Solids for Ar and Ca Ions at Intermediate Energies (20-80 MeV/amu)'** ***Nucl. Inst. Methods, B17, 1-10 (1986)*** *Comment : S. Ar, Ca (20-80 MeV/amu) -> Be, C, Al, Si, Ti, Ni, Cu, Ag, Ta, Au, Mylar*	**1986-Bimb**
1986	Guillemaud-Mueller, D. Lampert, M. O. Pons, D. Langevin, M. **'Atomic Number Determination of Energetic Heavy Ions by Energy Loss Measurements using Planar Si Detectors'** ***IEEE Trans. Nucl. Sci., NS-33, 343 (1986)*** *Comment : S,dS. Ar (33 MeV/amu) -> Si. (Si detector response)*	**1986-Guil**
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**

Citations for Ion : Ar

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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**
1988	Abel, F. Behar, M. Cohen, C. **'Range Profiles of Ar Implanted into C Films'** ***Nucl. Inst. Methods, B30, 13-15 (1988)*** *Comment : R, dR. Ar (10-200 keV) -> C*	**1988-Abel**
1988	Balanzat, E. Jousset, J. C. Toulemonde, M. **'Latent Tracks Induced by Heavy Ions in the GeV Energy Range: Results at GANIL'** ***Nucl. Inst. Methods, B32, 368-376 (1988)*** *Comment : R. O, Ar, Kr, Mo, Xe, U (4-85 MeV/amu) -> Polymers, Insulators, Superconductors: Track Analysis*	**1988-Bala**
1988	Herault, J. Bimbot, R. Gauvin, H. Anne, R. Bastin, G. **'Interaction of 20-100 MeV/amu Heavy Ions with Cold Matter'** ***J. Physique Coll., 49C, 7-33 (1988)*** *Comment : S. O, Ar, Ca, Kr, Mo, Xe (24-95 MeV/amu) -> Ne, Ar, Kr, Xe, CH4, C4H10, N, CO2, CF4, Be, Al, Si, Ti, Ni, Cu, Ag, Ta, Au*	**1988-Hera**
1988	Tan, C. Y Xia, Y. Y. Yang, H. Sun, X. F. **'Stopping Powers of 100-600 keV F+, Ar+, As+, Br+, and Xe+ Ions in Silicon'** ***Nucl. Inst. Methods, B33, 142-146 (1988)*** *Comment : S. F, Ar, As, Br, Xe (100-600 keV) -> Si*	**1988-Tan**
1989	Bimbot, R. Cabot, C. Gardes, D. Gauvin, H. Hingmann, R. **'Stopping Power of Gases for Heavy Ions: Gas-Solid Effects I. 2-13 MeV/amu Ne and Ar Projectiles'** ***Nucl. Inst. Methods, B44, 1-18 (1989)*** *Comment : S. Ne, Ar (2-13 MeV/amu) -> H, He, N, O, Ne, Ar, Kr, Xe (12 gases)*	**1989-Bimb2**
1989	Bimbot, R. Gauvin, H. Herault, J. Anne, R. Bastin, G. **'Interaction of 20-100 MeV/amu Heavy Ions with Solids and Gases'** ***Rad. Effects, 110, 15-17 (1989)*** *Comment : S. O, Ar, Ca, Kr, Mo, Xe (20-95 MeV/amu) -> 10 Gases, 12 Solids*	**1989-Bimb3**
1989	Schwab, T. Geissel, H. Armbruster, P. Gillibert, A. Mittig, W. **'Energy and Angular Distributions for Ar Ions Penetrating Solids'** ***Nucl. Inst. Methods, B48, 69-74 (1989)*** *Comment : S. Ar (85 MeV/amu) -> Various Solids*	**1989-Schw**

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Pub. Year	Authors, Title, Journal Citation and Comments	Citation Numb
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**
1989	Xia, Y. Tan, C. Yang, H. Sun, X. Liu, J. **'Nucleonic Stopping Powers Derived from Range Measurements for Ions at Low Velocity'** ***Vacuum, 39, 347-349 (1989)*** *Comment : S, R. F, Ar, As, Br, Xe -> PbSn, Si*	**1989-Xia**
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**
1991	Herault, J. Bimbot, R. Gauvin. H. Kubica, B. Anne, R. **'Stopping Powers of Gases for Heavy Ions (O, Ar, Kr, Xe) at Intermediate Energy (20-100 MeV.amu). Vanishing of the Gas-Solid Effect'** ***Nucl. Inst. Methods, B61, 156-166 (1991)*** *Comment : S. O, Ar, Kr, Xe (20-85 MeV/amu) -> He, O, N, (11 gases)*	**1991-Hera**
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**
1991	Xia, Yueyuan Lennard, W. N. **'Energy Loss Spectra for Heavy Ions Penetrating Amorphous Carbon Foils at Low Velocity'** ***Nucl. Inst. Methods, B61, 423-428 (1991)*** *Comment : S. Ne, Ar (80-150 keV) -> C*	**1991-Xia**
1993	Balanzat, E. Bouffard, S. Le Moel, A. Betz, N. **'Physico Chemical Modification Induced in Polymers by Swift Heavy Ions'** ***Nucl. Inst. Methods, B91, 140-145 (1994)*** *Comment : S. C, Ar, Kr (3-6 MeV/amu) -> Polyethylene, PVDF.*	**1993-Bala**
1993	Bogdanov, S. D. Zhurkin, E. E. Kosmach, V. F. Hassan, D. **'Effect of Z*3 Correction in Ionization Energy Losses on the Ranges of Heavy Ions'** ***Pis'Ma Zh. Eksp. Teor. Fiz. (Russia), 58, 711-714 (1993) [Eng. Trans. JETP Letters, (1993)]*** *Comment : R. Ne, Ar, Fe, Au, U (0.3-1.2 GeV/amu) -> Emulsion*	**1993-Bogd**
1993	Mikheev, S. Ryzhov, Y. Shkarban, I. Yurasova, V. **'Inelastic Losses of Low Energy Ions Transmitted through Thin Films'** ***Nucl. Inst. Methods, B78, 86-90 (1993)*** *Comment : S. He, Ne, Ar (1-10 keV) -> C, Ca, Ag and Ni*	**1993-Mikh**

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Pub. Year	Authors, Title, Journal Citation and Comments	Citation Numb
1994	Pfutzner, M. Geissel, H. Munzenberg, G. Nickel, F. Scheidenberger, C. **'Energy Depostion by Heavy Ions in Thin Argon'** ***Nucl. Inst. Methods, B86, 213-218 (1994)*** *Comment : S. Ar, Kr, Xe (100-950 MeV/amu) -> Ar*	**1994-Pfut**
1994	Scheidenberger, C. Geissel, H. Mikkelsen, H. H. Nickel, F. Brohm, T. **'Direct Observation of Systematic Deviations from the Bethe Stopping Theory for Relativistic Heavy Ions'** ***Phys. Rev. Letters, 73, 50-53 (1994)*** *Comment : S. O, Ar, Kr, Xe (700-1000 MeV/amu) -> Be, C, Al, Cu, Pb*	**1994-Sche**
1994	Scheidenberger, C. Geissel, H. Mikkelsen, H. H. Nickel, F. Brohm, T. **'Direct Observation of Systematic Deviations from the Bethe Stopping Theory for Relativistic Heavy Ions'** ***Phys.Rev.Lett. 73, 50-53, 1994*** *Comment : S. O, Ar, Kr, Xe (700-1000 MeV/amu) -> Be, C, Al, Cu, Pb*	**1994-Sche2**
1995	Bogdanov, S. S. Dudkin, V. E. Hassan, J. **'Ranges of 0.2-1.0 GeV/amu Heavy Ions in Nuchor'** ***Rad. Meas. (UK), 25, 111-114 (1995)*** *Comment : R. Ne, Ar, Fe, Au, U (0.2-1.0 GeV/amu) -> BR-2 (Nuchor) photoemulsion*	**1995-Bogd**
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**
1998	Geissel, H. Scheidenberger, C. **'Slowing Down of Relativistic Heavy Ions and New Applications'** ***Nucl. Inst. And Methods, B136-138, 114-124 (1998)*** *Comment : S, dS. O, Ar, Kr, Xe, Au, U (beta=0.1-1) -> Be, Cu*	**1998-Geis**
1999	Porter, L. E. **'Modified Bethe-Bloch Stopping Power Parameters for Kapton'** ***Intl. J. Quantum Chem., 75, 943-950 (1999)*** *Comment : R. Ar,Kr,Xe,Zu, U (0.1 - 12 MeV/u) -> PET*	**1999-Port3**
2001	Alanko, T. Hyvonen, J. Kyllonen, V. Laitinen, P. Matilainen, A. **'Polycarbonate, Mylar and Havar Stopping Powers for 1.0 - 3.25 MeV/u 40-Ar Ions'** ***J. Phys.- Cond. Matter, 13, 10777-10784 (2001)*** *Comment : S. Ar (1.0-3.25 MeV/u) -> Poycarbonate, Mylar, Havar*	**2001-Alan**

Citations for Ion : Ar

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2001	Diwan, P. K. Kumar, S. Singh, G. Singh, L. **'Energy Loss of Heavy Ions in Gases: A Comparative Study'** ***Rad. Meas., 33, 193-202 (2001)*** *Comment : S. Ne, S,Cl,Ar,Cu,Kr (1 - 80 MeV/u) -> H,He, N,Ar,Ne,Xe,CH4,C4H10,CO2,CF4*	**2001-Diwa2**
2001	Trzaska, W.H. Alanko, T. Lyapin, V. Raisanen, J. **'A Novel Method for Obtaining Continuous Stopping Power Curves'** ***Nucl. Inst. Methods, B183, 203-211 (2001)*** *Comment : S, Ar -> Ni, Au*	**2001-Trza**
2002	Trzaska, W. H. Lyapin, V. Alanko, T. Mutterer, M. Raisanen, J. **'New Approach to Energy Loss Measurements'** ***Nucl. Inst. Methods, B195, 147-165 (2002)*** *Comment : S. Ar, Si, O, He, H -> Au, Ni, C, Havar*	**2002-Trza**
2005	Perkowski, J. Trzaska, W. H. Andrzejewski, J. Lyapin, V. Malkiewicz, T. **'Energy Loss of 40-Ar In Au: Comparison of TOF-E and TOF-TOF Methods'** ***Nucl. Inst. Methods, B240, 333-336 (2005)*** *Comment : S. Ar -> Au*	**2005-Perk**
2010	Barbui, M. Fabris, D. Lunardon, M. Moretto, S. Nebbia, G. **'Energy loss of energetic /sup 40/Ar, /sup 84/Kr, /sup 197/Au and /sup 238/U ions in mylar, aluminum and isobutane'** ***Nucl.Instrum.Methods Phys.Res. B268, 20 (2010)*** *Comment : S. Ar, Kr, Au, U -> Al, Mylar, Butane at many energies*	**2010-Barb**