

Citations for Target : **Al₂O₃**

Pub. Year	Authors, Title, Journal Citation and Comments	Citation Numb
1962	VanWijngaarden, A. Duckworth, H. E. 'Energy Loss in Condensed Matter of 1H, and 4He in the Energy Range 4 < E < 30 keV' <i>Can. J. Phys.</i> , 40, 1749-64 (1962) <i>Comment</i> : S. 4-30 keV H, He -> C, Al ₂ O ₃	1962-VanW 0356
	Piercy, G. R. Brown, F. Davies, J. A. Mccargo, M. 'Experimental Evidence for the Increase of Heavy Ion Ranges by Channeling in Crystalline Structures' <i>Phys. Rev. Letters</i> , 10, 399-400 (1963) <i>Comment</i> : R, dR. 40 keV 85Kr -> Al (Cryst.), Al ₂ O ₃	1963-Pier 0163
1964	Domeij, B. Brown, F. Davies, J. A. Mccargo, M. 'Ranges of Heavy Ions in Amorphous Oxides' <i>Can. J. Phys.</i> , 42, 1624-34 (1964) <i>Comment</i> : R, dR. 0.5-160 keV 24 Na, 41Ar, 85Kr, 125Xe -> Al ₂ O ₃ , WO ₃	1964-Dome2 0182
	Domeij, B. Mccargo, M. Davies, J. A. Brown, F. 'Ranges of Heavy Ions in Amorphous Oxides' <i>Bull. Am. Phys. Soc.</i> , 9, 109a (1964) <i>Comment</i> : R, dR. 5-160 keV Na, Kr, Xe -> Al ₂ O ₃	1964-Dome3 0168
1967	Jespersgaard, P. Davies, J. A. 'Ranges of Na, K, W, and Xe Ions in Amorphous Al ₂ O ₃ in the Energy Region 40-1000 keV' <i>Can. J. Phys.</i> , 45, 2983-94 (1967) <i>Comment</i> : R, dR. 40-1000 keV Na, K, Kr, Xe -> Al ₂ O ₃	1967-Jesp 0357
	Biersack, J. P. 'Range of Recoil Atoms in Isotropic Stopping Materials' <i>Z. Physik</i> , 211, 495-501 (1968) <i>Comment</i> : R. (96-1335 keV) Al, Na, Mn, Mg, Co, Cu, Ra -> Al, Fe, Ni, Ar, Ne, O ₂ , N ₂ , CH ₄ , He, H ₂ , CuO, Al ₂ O ₃	1968-Bier 0332
1968	Croft, P. D. Street, K. 'Range-Energy Studies of Po and at Recoils in Al and Al ₂ O ₃ ' <i>Phys. Rev.</i> , 165, 1375-80 (1968) <i>Comment</i> : R. 6-12 MeV Po, At -> Al, Al ₂ O ₃ .	1968-Crof 0330
	Kelly, R. 'Sputtering and Depth-Distribution Phenomena in KCl, Al ₂ O ₃ , TiO ₂ ' <i>Can. J. Phys.</i> , 46, 473-85 (1968) <i>Comment</i> : R. 10 keV Kr -> KCl, TiO ₂ , Al ₂ O ₃	1968-Kell2 0759
1968	Tschalar, C. Bichsel, H. 'Mean Excitation Potential of Light Compounds' <i>Phys. Rev.</i> , 175, 476-8 (1968) <i>Comment</i> : R. 3-30 MeV H -> Si, Al, SiO ₂ , Al ₂ O ₃ , C ₃ H ₅ O ₂	1968-Tsch3 0904

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1970	Dearnaley, G. 'Ion Penetration' <i>European Conference on Ion Implantation, Reading, 162-171 (1970)</i> <i>Comment : R. 10 keV-2 MeV Na, K, Kr, Xe, Ne -> Al₂O₃</i>	1970-Dear 1012
1970	Thoang, T. Drouin, R. 'Aluminum Oxide Films Produced by a Two Step Process and Alpha Stopping Power Studies' <i>Nucl. Inst. Methods, 87, 297-98 (1970)</i> <i>Comment : S. 5.5-8.8 MeV He -> Al₂O₃</i>	1970-Thoa 0424
1972	Balzer, R. Sigrist, A. 'Disrimination of Heavy Ions by Track Detectors' <i>Helv. Phys. Acta, 45, 921-2 (1972)</i> <i>Comment : S. Cl (8-30 MeV) -> Mica, Quartz, Spinel, Sapphire</i>	1972-Balz 1286
1973	Chu, W. K. Crowder, B. L. Mayer, J. W. Ziegler, J. F. 'Range Distributions of Implanted Ions in SiO ₂ , Si ₃ N ₄ , and Al ₂ O ₃ ' <i>Appl. Phys. Letters, 22, 490-92 (1973)</i> <i>Comment : R, dR. Zn, Ga, As, Se, Cd, Te (140-300 keV) -> SiO₂, Si₃N₄, Al₂O₃</i>	1973-Chu 0013
1973	Chu, W. K. Crowder, B. L. Mayer, J. W. Ziegler, J. F. 'Ranges and Distributions of Ions Implanted into Dielectrics' <i>B.L. Crowder (Ed): Ion Implantation in Semiconductors and Other Materials. Plenum. N. Y. 225-41 (1973)</i> <i>Comment : R.dR. (140-300 keV) Zn, Ga, As, Se, Cd, Te, Zn -> Si, Si₃N₄, Al₂O₃</i>	1973-Chu 2 0539
1973	Feng, J. S. -Y. Chu, W. K. Nicolet, M-A. 'Bragg's Rule Study in Binary Metal Alloys Metal Oxides for MeV 4He+ Ions' <i>Thin Solid Films, 19, 227-236 (1973)</i> <i>Comment : S. 0.5-2.25 MeV He -> AuAg, AuCu, AuAl, Fe₂O₃, Fe₃O₄, Al₂O₃</i>	1973-Feng2 0506
1974	Feng, J. S. -Y. Chu, W. K. Nicolet, M. -A. 'Stopping-Cross-Section Additivity for 1-2-MeV 4He+ in Solid Oxides' <i>Phys. Rev. B, 10, 3781-88 (1974)</i> <i>Comment : S. 1-2 MeV He -> MgO, Al₂O₃, SiO₂, He-Fe₂O₃, Fe₃O₄</i>	1974-Feng 0823
1975	Andersen, H. H. Bottiger, J. WolderJorgensen, H. 'Ranges of Ions with Z1 > 54 in Al and Al ₂ O ₃ ' <i>Appl. Phys. Letters, 26, 678-79 (1975)</i> <i>Comment : R, dR. (75-100 keV) Cs, Xe, Eu, Au, Tl -> Al, Al₂O₃</i>	1975-Ande 0715
1975	Gemmell, D. S. Remillieux, J. Poizat, J. -C. Gaillard, M. J. Holland, R. E. 'Evidence for an Alignment Effect in the Motion of Swift Ion Clusters through Solids' <i>Phys. Rev. Letters, 34, 1420-4 (1975)</i> <i>Comment : S, dS. Molecular Hydrogen Beams (1.6- 4 MeV) -> Au, C, Al, Al₂O₃</i>	1975-Gemm 1265

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1975	Ziegler, J. F. Chu, W. K. Feng, J. S. 'Empirical Corrections to the Energy Loss of 4He Ions in Oxides' <i>Appl. Phys. Letters</i> , 27, 387-90 (1975) <i>Comment</i> : S. 2 MeV He -> Fe ₂ O ₃ , Fe ₃ O ₄ , MgO, Al ₂ O ₃ , SiO ₂ , Si ₃ N ₄ All Rel. To Metal	1975-Zieg 0880
1976	Bottiger, J. Picraux, S. T. Rud, N. 'Depth Profiling of Hydrogen and Helium Isotopes in Solids by Nuclear Reaction Analysis' <i>Ion Beam Surface Layer Analysis</i> , O. Meyer, G. Linker, F. Kappeler (Ed.), Plenum, New York, P. 811-19 (1976) <i>Comment</i> : R. 12 keV H -> Al ₂ O ₃	1976-Bott 0756
1976	Bottiger, J. Rud, J. R. Leslie and N. 'Range Profiles of 6-16-keV Hydrogen Ions Implanted in Metal Oxides' <i>J. Appl. Phys.</i> , 47, 1672-75 (1976) <i>Comment</i> : R, dR. 6-16 keV H -> Al ₂ O ₃ , Nb ₂ O ₅ , Ta ₂ O ₅	1976-Bott2 0797
1976	Das, S. K. Kaminsky, M. Rossing, T. 'Helium Trapping in Aluminum and Sintered Aluminum Powders' <i>Ion Beam Surface Layer Analysis</i> , 2, Ed. O. Meyer, G. Linker, and F. Kappeler, Plenum Co. (1976) <i>Comment</i> : R, dR. 1.5 MeV H -> Al, Al ₂ O ₃ , Sapphire	1976-Das 2 1172
1976	L'Hoir, A. Cohen, C. Amsel, G. 'Experimental Study of the Stopping Power and Energy Straggling of MeV 4He, 12C, 14N and 16O Ions in Amorphous Aluminum Oxide' <i>Meyer, G. Linker and F. Kappeler (Ed.):Ion Beam Surface Layer Analysis, Plenum, N. Y., P. 965-76 (1976)</i> <i>Comment</i> : S, dS. 0.3-1.7 MeV He, 12C, 14N, 16O -> Al ₂ O ₃	1976-L 0846
1976	Pringle, J. P. S. 'A Comparison of Sectioning Methods used to Measure Concentration Profiles in Anodic Oxides' <i>Can. J. Phys.</i> , 54, 56-65 (1976) <i>Comment</i> : R. dR. (10-160 keV) Na, Ar, K, Kr, Xe -> Al ₂ O ₃ , Ta ₂ O ₅ , WO ₃ , Ta ₂ O ₅	1976-Prin 0819
1976	Ziegler, J. F. Chu, W. K. Feng, J. S. 'Evidence of Solid State Effects in the Energy Loss of 4He Ions in Matter' <i>Meyer, G. Linker and F. Kappeler (Ed.):Ion Beam Surface Layer Analysis, Plenum, N. Y., P. 15-27 (1976)</i> <i>Comment</i> : S. 2 MeV He -> Fe ₂ O ₃ , Fe ₃ O ₄ , MgO, Al ₂ O ₃ , SiO ₂ , Si ₃ N ₄	1976-Zieg2 0851
1978	Moller, W. 'Background Reduction in D(3He,alpha)H Depth Profiling Experiments using a Simple Electrostatic Deflector' <i>Nucl. Inst. Methods</i> , 157, 223-227 (1978) <i>Comment</i> : R, dR. 20 keV D -> Al ₂ O ₃ , Ta ₂ O ₅	1978-Moll 1163

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1978	Thomas, J. P. Fallavier, M. 'Lithium Ion Production and Use for Backscattering Analysis in Al and Al ₂ O ₃ Media' <i>Nucl. Inst. Methods, 149, 169-175 (1978)</i> <i>Comment : S,dS. He,Li (0.3-3MeV) -> Al₂O₃, Al</i>	1978-Thom2 1592
1979	Ishii, K. Blondiaux, G. Valladon, M. Debrun, D. L. 'The Study of Stopping Powers by the Method of the Average Stopping Power' <i>Nucl. Inst. Methods, 158, 199-203 (1979)</i> <i>Comment : S. T (3MeV) -> BeO, Al₂O₃, SiO₂, TiO₂, ZnO, Nb₂O₅, Ta₂O₅</i>	1979-Ishi 1539
1980	Blondiaux, G. Valladon, M. Ishii, K. Debrun, J. L. 'Search for the Influence of Chemical Effect on the Stopping Power: the Case of Oxides' <i>Nucl. Inst. Methods, 168, 29-31 (1980)</i> <i>Comment : S, dS. .5-2.5 MeV H -> BeO, Al₂O₃, TiO₂, Zno, Nb₂O₅, Ta₂O₅</i>	1980-Blon 1314
1984	Howoe, M. Takami, Y. Shiraiishi, F. Tomura, K. 'Stopping Power Measurement Using Thick Alpha Sources' <i>Nucl. Inst. Methods, A233, 377 (1984)</i> <i>Comment : S. He (0.2-4 MeV) -> Al₂O₃, UO₂, Fe₃O₄, CoO₂, NiO₂</i>	1984-Howo 1669
1986	Izsak, K. Berthold, J. Kalbitzer, S. 'Range Phenomena of Low Energy Ions in Solids' <i>Nucl. Inst. Methods, B15, 34-41 (1986)</i> <i>Comment : R. In, Xe, Pb, Cs, Au, (.01 < epsilon < 1) -> Al, Si, Ni, Ri, Ge, Al₂O₃</i>	1986-Izsa 2198
1986	Santry, D. C. Werner, R. D. 'Energy Loss of He Ions in Al ₂ O ₃ and SiO ₂ ' <i>Nucl. Inst. Methods, B14, 169-172 (1986)</i> <i>Comment : S. He(0.2-5.8 MeV) -> Al₂O₃, SiO₂, Al</i>	1986-Sant 1194
1990	Bauer, P. 'Stopping Power of Light Ions near the Maximum' <i>Nucl. Inst. Methods, B45, 673 (1990)</i> <i>Comment : dS. H, H- (30-700 keV) -> C, Al, Si, Ni, Cu, Ag, Au, SiO₂, HC₂, Al₂O₃</i>	1990-Bauc 1608
1992	Bauer, P. Rossler, W. Mertens, P. 'Stopping of Hydrogen Ions in Oxides - Influence of the Chemical Bond' <i>Nucl. Inst. Methods, B69, 46-52 (1992)</i> <i>Comment : S. H (300-350 keV) -> Al₂O₃, SiO₂</i>	1992-Baue2 1613
1997	Bauer, P. Golser, R. Aumayr, F. Semrad, D. Arnau, A. 'Contribution of Valence Electrons to the Electronic Energy Loss of Hydrogen Ions in Oxides' <i>Nucl. Inst. Methods, B 125 102-105 (1997)</i> <i>Comment : S. H(10 - 1000 keV) -> H₂O, SiO₂, Al₂O₃, LiNbO₃</i>	1997-Baue 2366

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1997	Eder, K. Semrad, D. Bauer, P. Golser, R. Echenique, P. M. 'Absence of a "Threshold Effect" in the Energy Loss of Slow Protons Traversing Large Band-Gap Insulators' <i>Phys. Rev. Lett.</i> , 79, 4112-4115 (1997) <i>Comment : S. H (2 - 800 keV) -> Al₂O₃, SiO₂, LiF, Ne</i>	1997-Eder 2363
1998	Bauer, P. Golser, R. Semrad, D. Maier-Komor, P. Aumayr, F. 'Influence of the Chemical State on the Stopping of Protons and He-Ions in some Oxides' <i>Nucl. Inst. Methods, B 136-138, 103-108 (1998)</i> <i>Comment : S. H, He (0.03 - 1 MeV) -> Al₂O₃, SiO₂</i>	1998-Bauc 2360
2000	Porter, L. E. 'Analyses of Stopping Power Measurements for 0.90-2.50 MeV Protons and Deuterons Transversing Al ₂ O ₃ Targets' <i>Nucl. Inst. Methods, B170, 35-38 (2000)</i> <i>Comment : S. H, D (0.9 - 2.5 MeV) -> Al₂O₃</i>	2000-Port 2345