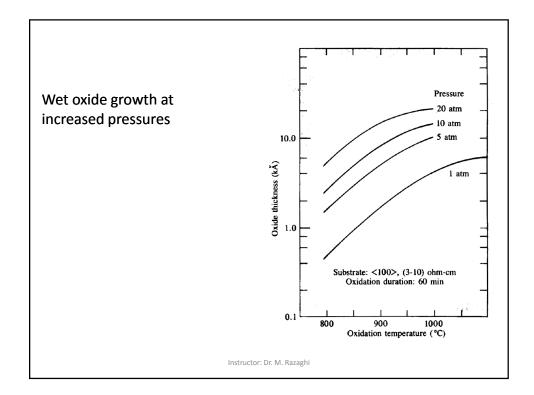


Table 3.1 Values fo	or Coefficient D_0 and Activation End Wet O_2 ($X_i = 0$ nm)		$\frac{\text{ergy } E_{\text{A}} \text{ for Wet and Dry Oxygen.}}{\text{Dry } O_2 (X_i = 25 \text{ nm})}$	
		EA	Г <i>D</i> о	EA
(100) Silicon				
Linear (B/A) Parabolic (B)	$9.70 \times 10^7 \mu{\rm m/hr}$ 386 $\mu{\rm m}^2/{\rm hr}$	2.05 eV 0.78 eV	$3.71 \times 10^{6} \ \mu m/hr$ 772 $\ \mu m^{2}/hr$	2.00 eV 1.23 eV
(111) Silicon				
Linear (B/A) Parabolic (B) *Data from ref. [7].	$1.63 \times 10^8 \ \mu m/hr$ 386 $\ \mu m^2/hr$	2.05 eV 0.78 eV	$6.23 \times 10^{6} \ \mu m/hr$ 772 $\ \mu m^{2}/hr$	2.00 eV 1.23 eV



Oxidation Temperature (°C)	A (μm)	Parabolic Rate Constant B (µm²/h)	Linear Rate Constant B/A (µm/h)	τ (
1200	0.05	0.720	14.40	0
1100	0.11	0.510	4.64	0
1000	0.226	0.287	1.27	0
920	0.50	0.203	0.406	0
	onstants for	Dry Oxidation of S Parabolic Rate	Silicon Linear Rate	
Oxidation Temperature (°C)	A (μm)			τ (h)
Oxidation Temperature (°C) 1200		Parabolic Rate Constant	Linear Rate Constant	τ (h) 0.027
Oxidation Temperature (°C) 1200 1100	A (μm)	Parabolic Rate Constant B (µm²/h)	Linear Rate Constant B/A (µm/h)	-Low or the second
Oxidation Temperature (°C) 1200 1100 1000	A (μm) 0.040	Parabolic Rate Constant B (µm²/h) 0.045	Linear Rate Constant B/A (µm/h) 1.12	0.027
Oxidation Temperature (°C) 1200 1100 1000 920	A (μm) 0.040 0.090	Parabolic Rate Constant $B (\mu m^2/h)$ 0.045 0.027	Linear Rate Constant B/A (µm/h) 1.12 0.30	0.027
Oxidation Temperature (°C) 1200 1100 1000	A (μm) 0.040 0.090 0.165	Parabolic Rate Constant $B (\mu m^2/h)$ 0.045 0.027 0.0117	Linear Rate Constant <i>B/A</i> (µm/h) 1.12 0.30 0.071	0.027 0.076 0.37

