Nitric Oxide

Z = 15 Molecular Mass : $M_{\mathrm{A}} = 30.0061$

$\sigma_a(\mathrm{Mb}) = 109.76097 \dfrac{\mathrm{d}f}{\mathrm{d}E}\ (\mathrm{eV}^{-1})$

$\mu_m = \sigma_a \cdot N_{\mathrm{A}} \cdot M_{\mathrm{A}}^{-1}$

Table I. Oscillator strength, f_n, for transitions to the valence state ($A^2\Sigma^+$, $B^2\Pi$) and the lowest Rydberg states ($C^2\Pi$, $D^2\Sigma^+$).

Energy (eV)	f_n	λ (Å)	Energy (eV)	f_n	λ (Å)
5.4800E+00	4.1000E-04	2.2625E+03	6.7830E+00	3.0000E-05	1.8279E+03
5.7703E+00	8.0600E-04	2.1487E+03	6.9380E+00	3.6200E-04	1.7870E+03
6.0566E+00	7.0200E-04	2.0471E+03	7.0370E+00	2.2000E-03	1.7619E+03
6.3389E+00	3.5800E-04	1.9559E+03	7.1680E+00	1.0000E-05	1.7297E+03
5.6410E+00	2.4600E-08	2.1979E+03	7.2590E+00	2.0100E-04	1.7080E+03
5.7640E+00	2.2500E-07	2.1510E+03	7.3980E+00	7.9000E-04	1.6759E+03
5.8930E+00	1.5500E-06	2.1039E+03	6.4930E+00	2.2150E-03	1.9095E+03
6.0100E+00	4.6100E-06	2.0630E+03	6.7820E+00	5.8950E-03	1.8281E+03
6.1350E+00	1.3800E-05	2.0209E+03	7.0620E+00	2.9100E-03	1.7557E+03
6.2560E+00	2.7700E-05	1.9818E+03	7.3670E+00	9.7800E-04	1.6830E+03
6.3750E+00	4.1600E-05	1.9448E+03	6.6072E+00	2.5250E-03	1.8765E+03
6.4950E+00	3.6000E-04	1.9089E+03	6.8899E+00	4.6050E-03	1.7995E+03
6.6050E+00	1.2000E-04	1.8771E+03	7.1669E+00	3.4950E-03	1.7300E+03
6.7200E+00	3.3600E-04	1.8450E+03	7.4374E+00	1.7900E-03	1.6670E+03

Table II. Oscillator strength, f_n, for the pre-K-edge resonances of nitrogen and oxygen atoms.

Energy (eV)	f_n	λ (Å)	Energy (eV)	f_n	λ (Å)
3.9970E+02	5.3000E-02	3.1019E+01	5.3270E+02	2.4740E-02	2.3275E+01

Table III. Oscillator-strength density, $\mathrm{d}f/\mathrm{d}E$, photoabsorption cross section, σ_{a}, and mass absorption coefficient, μ_{m}.

Energy (eV)	f_n (eV^{-1})	σ_a (Mb)	μ_{m} ($\mathrm{cm}^2\ \mathrm{g}^{-1}$)	λ (Å)
7.5170E+00	3.4000E-03	3.7319E-01	7.4898E+03	1.6494E+03
7.5600E+00	8.4000E-03	9.2199E-01	1.8504E+04	1.6400E+03
7.5710E+00	8.4000E-03	9.2199E-01	1.8504E+04	1.6376E+03
7.6040E+00	5.5000E-03	6.0369E-01	1.2116E+04	1.6305E+03

Table III. Oscillator-strength density, $\mathrm{d}f/\mathrm{d}E$, photoabsorption cross section, σ_{a}, and mass absorption coefficient, μ_{m}. (Continued)

Energy (eV)	f_n (eV^{-1})	σ_a (Mb)	μ_{m} ($\mathrm{cm}^2\ \mathrm{g}^{-1}$)	λ (Å)
7.6390E+00	1.4500E-02	1.5915E+00	3.1942E+04	1.6230E+03
7.6780E+00	1.5500E-02	1.7013E+00	3.4145E+04	1.6148E+03
7.7080E+00	2.2400E-02	2.4586E+00	4.9344E+04	1.6085E+03
7.7300E+00	1.4400E-02	1.5806E+00	3.1721E+04	1.6039E+03
7.7490E+00	6.2000E-03	6.8052E-01	1.3658E+04	1.6000E+03
7.7800E+00	3.7000E-03	4.0612E-01	8.1506E+03	1.5936E+03
7.8070E+00	6.1000E-03	6.6954E-01	1.3438E+04	1.5881E+03
7.8490E+00	1.9700E-02	2.1623E+00	4.3397E+04	1.5796E+03
7.8610E+00	1.9000E-02	2.0855E+00	4.1855E+04	1.5772E+03
7.9000E+00	7.0000E-03	7.6833E-01	1.5420E+04	1.5694E+03
7.9090E+00	6.3000E-03	6.9149E-01	1.3878E+04	1.5676E+03
7.9520E+00	2.1500E-02	2.3599E+00	4.7362E+04	1.5592E+03
7.9920E+00	3.6500E-02	4.0063E+00	8.0405E+04	1.5514E+03
8.0040E+00	3.5400E-02	3.8855E+00	7.7982E+04	1.5490E+03
8.0310E+00	1.8600E-02	2.0416E+00	4.0973E+04	1.5438E+03
8.0560E+00	9.5000E-03	1.0427E+00	2.0927E+04	1.5390E+03
8.0660E+00	9.3000E-03	1.0208E+00	2.0487E+04	1.5371E+03
8.1220E+00	2.8800E-02	3.1611E+00	6.3443E+04	1.5265E+03
8.1450E+00	1.7400E-02	1.9098E+00	3.8330E+04	1.5222E+03
8.1850E+00	9.7000E-03	1.0647E+00	2.1368E+04	1.5148E+03
8.1980E+00	9.3000E-03	1.0208E+00	2.0487E+04	1.5124E+03
8.2230E+00	1.9000E-02	2.0855E+00	4.1855E+04	1.5078E+03
8.2630E+00	4.3500E-02	4.7746E+00	9.5825E+04	1.5005E+03
8.2770E+00	4.4800E-02	4.9173E+00	9.8689E+04	1.4979E+03
8.2910E+00	4.2700E-02	4.6868E+00	9.4063E+04	1.4954E+03
8.3140E+00	2.5300E-02	2.7770E+00	5.5733E+04	1.4913E+03
8.3270E+00	8.2000E-03	9.0004E-01	1.8064E+04	1.4889E+03
8.3400E+00	2.0400E-02	2.2391E+00	4.4939E+04	1.4866E+03
8.3660E+00	3.0500E-02	3.3477E+00	6.7188E+04	1.4820E+03
8.3830E+00	3.1700E-02	3.4794E+00	6.9831E+04	1.4790E+03
8.3930E+00	3.0000E-02	3.2928E+00	6.6086E+04	1.4772E+03
8.4180E+00	1.6000E-02	1.7562E+00	3.5246E+04	1.4728E+03
8.4320E+00	1.2100E-02	1.3281E+00	2.6655E+04	1.4704E+03
8.4440E+00	1.2600E-02	1.3830E+00	2.7756E+04	1.4683E+03
8.4860E+00	2.7100E-02	2.9745E+00	5.9698E+04	1.4610E+03
8.5120E+00	3.0500E-02	3.3477E+00	6.7188E+04	1.4566E+03

Table III. Oscillator-strength density, $\mathrm{d}f/\mathrm{d}E$, photoabsorption cross section, σ_{a}, and mass absorption coefficient, μ_{m}. (Continued)

Energy (eV)	f_n (eV^{-1})	σ_a (Mb)	μ_{m} ($\mathrm{cm}^2\ \mathrm{g}^{-1}$)	λ (Å)
8.5380E+00	4.3900E-02	4.8185E+00	9.6706E+04	1.4521E+03
8.5520E+00	4.6700E-02	5.1258E+00	1.0287E+05	1.4498E+03
8.5780E+00	4.0800E-02	4.4782E+00	8.9877E+04	1.4454E+03
8.6290E+00	1.6700E-02	1.8330E+00	3.6788E+04	1.4368E+03
8.6400E+00	1.6200E-02	1.7781E+00	3.5687E+04	1.4350E+03
8.6550E+00	2.1500E-02	2.3599E+00	4.7362E+04	1.4325E+03
8.6960E+00	3.1900E-02	3.5014E+00	7.0272E+04	1.4258E+03
8.7080E+00	3.0200E-02	3.3148E+00	6.6527E+04	1.4238E+03
8.7340E+00	1.9700E-02	2.1623E+00	4.3397E+04	1.4196E+03
8.7430E+00	1.7600E-02	1.9318E+00	3.8771E+04	1.4181E+03
8.7590E+00	2.1500E-02	2.3599E+00	4.7362E+04	1.4155E+03
8.7990E+00	4.2500E-02	4.6648E+00	9.3622E+04	1.4091E+03
8.8140E+00	4.4900E-02	4.9283E+00	9.8909E+04	1.4067E+03
8.8490E+00	2.3200E-02	2.5465E+00	5.1107E+04	1.4011E+03
8.8600E+00	2.0000E-02	2.1952E+00	4.4057E+04	1.3994E+03
8.8720E+00	2.1900E-02	2.4038E+00	4.8243E+04	1.3975E+03
8.8900E+00	2.5200E-02	2.7660E+00	5.5512E+04	1.3946E+03
8.9020E+00	2.6900E-02	2.9526E+00	5.9257E+04	1.3928E+03
8.9290E+00	1.9400E-02	2.1294E+00	4.2736E+04	1.3886E+03
8.9400E+00	1.8400E-02	2.0196E+00	4.0533E+04	1.3868E+03
8.9530E+00	2.0400E-02	2.2391E+00	4.4939E+04	1.3848E+03
8.9950E+00	3.2900E-02	3.6111E+00	7.2475E+04	1.3784E+03
9.0090E+00	3.0500E-02	3.3477E+00	6.7188E+04	1.3762E+03
9.0310E+00	2.3700E-02	2.6013E+00	5.2208E+04	1.3729E+03
9.0470E+00	2.5100E-02	2.7550E+00	5.5292E+04	1.3704E+03
9.0720E+00	3.3200E-02	3.6441E+00	7.3135E+04	1.3667E+03
9.0850E+00	3.4300E-02	3.7648E+00	7.5559E+04	1.3647E+03
9.0980E+00	3.2200E-02	3.5343E+00	7.0932E+04	1.3628E+03
9.1250E+00	2.1000E-02	2.3050E+00	4.6260E+04	1.3587E+03
9.1370E+00	1.9000E-02	2.0855E+00	4.1855E+04	1.3569E+03
9.1510E+00	1.8900E-02	2.0745E+00	4.1634E+04	1.3549E+03
9.1790E+00	2.0900E-02	2.2940E+00	4.6040E+04	1.3507E+03
9.2200E+00	1.8800E-02	2.0635E+00	4.1414E+04	1.3447E+03
9.2320E+00	2.0100E-02	2.2062E+00	4.4278E+04	1.3430E+03
9.2460E+00	1.9700E-02	2.1623E+00	4.3397E+04	1.3409E+03
9.2580E+00	2.3000E-02	2.5245E+00	5.0666E+04	1.3392E+03

Table III. Oscillator-strength density, $\mathrm{d}f/\mathrm{d}E$, photoabsorption cross section, σ_{a}, and mass absorption coefficient, μ_{m}. (Continued)

Energy (eV)	f_n (eV^{-1})	σ_a (Mb)	μ_{m} (cm^2 g^{-1})	λ (Å)
9.2643E+00	2.4000E-02	2.6343E+00	5.2869E+04	1.3383E+03
9.2685E+00	3.1740E-02	3.4838E+00	6.9919E+04	1.3377E+03
9.2712E+00	3.1670E-02	3.4761E+00	6.9764E+04	1.3373E+03
9.2823E+00	3.6164E-02	3.9694E+00	7.9664E+04	1.3357E+03
9.2872E+00	3.8270E-02	4.2006E+00	8.4305E+04	1.3350E+03
9.2935E+00	3.0967E-02	3.3990E+00	6.8217E+04	1.3341E+03
9.2970E+00	2.8545E-02	3.1331E+00	6.2880E+04	1.3336E+03
9.3046E+00	2.5174E-02	2.7631E+00	5.5455E+04	1.3325E+03
9.3151E+00	1.5413E-02	1.6918E+00	3.3954E+04	1.3310E+03
9.3270E+00	2.1417E-02	2.3508E+00	4.7180E+04	1.3293E+03
9.3397E+00	3.9324E-02	4.3162E+00	8.6625E+04	1.3275E+03
9.3432E+00	3.1494E-02	3.4568E+00	6.9377E+04	1.3270E+03
9.3531E+00	3.9675E-02	4.3547E+00	8.7398E+04	1.3256E+03
9.3573E+00	2.9423E-02	3.2294E+00	6.4814E+04	1.3250E+03
9.3608E+00	3.4162E-02	3.7497E+00	7.5255E+04	1.3245E+03
9.3693E+00	3.2934E-02	3.6148E+00	7.2548E+04	1.3233E+03
9.3722E+00	3.4057E-02	3.7381E+00	7.5023E+04	1.3229E+03
9.3764E+00	2.9001E-02	3.1832E+00	6.3886E+04	1.3223E+03
9.3785E+00	2.6087E-02	2.8633E+00	5.7466E+04	1.3220E+03
9.3999E+00	1.8328E-02	2.0117E+00	4.0373E+04	1.3190E+03
9.4077E+00	1.6748E-02	1.8382E+00	3.6893E+04	1.3179E+03
9.4170E+00	1.6958E-02	1.8614E+00	3.7357E+04	1.3166E+03
9.4256E+00	1.6151E-02	1.7727E+00	3.5578E+04	1.3154E+03
9.4306E+00	1.4465E-02	1.5877E+00	3.1866E+04	1.3147E+03
9.4435E+00	2.1804E-02	2.3932E+00	4.8030E+04	1.3129E+03
9.4479E+00	2.0680E-02	2.2699E+00	4.5555E+04	1.3123E+03
9.4543E+00	2.4367E-02	2.6745E+00	5.3677E+04	1.3114E+03
9.4572E+00	2.1874E-02	2.4009E+00	4.8185E+04	1.3110E+03
9.4637E+00	2.0996E-02	2.3045E+00	4.6252E+04	1.3101E+03
9.4833E+00	1.9030E-02	2.0887E+00	4.1920E+04	1.3074E+03
9.4891E+00	2.3524E-02	2.5820E+00	5.1820E+04	1.3066E+03
9.5007E+00	2.1207E-02	2.3277E+00	4.6716E+04	1.3050E+03
9.5073E+00	1.8152E-02	1.9924E+00	3.9987E+04	1.3041E+03
9.5197E+00	1.6256E-02	1.7843E+00	3.5810E+04	1.3024E+03
9.5241E+00	2.0259E-02	2.2236E+00	4.4627E+04	1.3018E+03
9.5394E+00	1.7625E-02	1.9346E+00	3.8827E+04	1.2997E+03

Table III. Oscillator-strength density, $\mathrm{d}f/\mathrm{d}E$, photoabsorption cross section, σ_{a}, and mass absorption coefficient, μ_{m}. (Continued)

Energy (eV)	f_n (eV^{-1})	σ_a (Mb)	μ_{m} (cm^2 g^{-1})	λ (Å)
9.5439E+00	2.1382E-02	2.3469E+00	4.7102E+04	1.2991E+03
9.5571E+00	2.0961E-02	2.3007E+00	4.6174E+04	1.2973E+03
9.5645E+00	2.8510E-02	3.1292E+00	6.2803E+04	1.2963E+03
9.5696E+00	2.1909E-02	2.4047E+00	4.8263E+04	1.2956E+03
9.5770E+00	2.3805E-02	2.6128E+00	5.2439E+04	1.2946E+03
9.5859E+00	1.9697E-02	2.1620E+00	4.3390E+04	1.2934E+03
9.6030E+00	1.5905E-02	1.7458E+00	3.5037E+04	1.2911E+03
9.6082E+00	1.7415E-02	1.9115E+00	3.8363E+04	1.2904E+03
9.6156E+00	2.1733E-02	2.3855E+00	4.7876E+04	1.2894E+03
9.6276E+00	2.9984E-02	3.2911E+00	6.6052E+04	1.2878E+03
9.6373E+00	2.8685E-02	3.1485E+00	6.3190E+04	1.2865E+03
9.6426E+00	3.0722E-02	3.3720E+00	6.7676E+04	1.2858E+03
9.6538E+00	2.7983E-02	3.0714E+00	6.1643E+04	1.2843E+03
9.6621E+00	2.1382E-02	2.3469E+00	4.7102E+04	1.2832E+03
9.6742E+00	2.1804E-02	2.3932E+00	4.8030E+04	1.2816E+03
9.6787E+00	1.8995E-02	2.0849E+00	4.1843E+04	1.2810E+03
9.6855E+00	2.1101E-02	2.3161E+00	4.6484E+04	1.2801E+03
9.6893E+00	1.6432E-02	1.8036E+00	3.6197E+04	1.2796E+03
9.7007E+00	1.6045E-02	1.7612E+00	3.5346E+04	1.2781E+03
9.7014E+00	1.7696E-02	1.9423E+00	3.8981E+04	1.2780E+03
9.7113E+00	1.8925E-02	2.0772E+00	4.1688E+04	1.2767E+03
9.7182E+00	1.6361E-02	1.7958E+00	3.6042E+04	1.2758E+03
9.7311E+00	2.3454E-02	2.5743E+00	5.1666E+04	1.2741E+03
9.7349E+00	2.3980E-02	2.6321E+00	5.2826E+04	1.2736E+03
9.7380E+00	2.2400E-02	2.4587E+00	4.9345E+04	1.2732E+03
9.7395E+00	2.2400E-02	2.4587E+00	4.9345E+04	1.2730E+03
9.7480E+00	1.9276E-02	2.1157E+00	4.2462E+04	1.2719E+03
9.7518E+00	1.9767E-02	2.1697E+00	4.3545E+04	1.2714E+03
9.7579E+00	2.2506E-02	2.4703E+00	4.9577E+04	1.2706E+03
9.7648E+00	1.7696E-02	1.9423E+00	3.8981E+04	1.2697E+03
9.7702E+00	2.2330E-02	2.4510E+00	4.9191E+04	1.2690E+03
9.7772E+00	2.3700E-02	2.6013E+00	5.2207E+04	1.2681E+03
9.7841E+00	1.9276E-02	2.1157E+00	4.2462E+04	1.2672E+03
9.7895E+00	2.0645E-02	2.2660E+00	4.5478E+04	1.2665E+03
9.7957E+00	1.8889E-02	2.0733E+00	4.1611E+04	1.2657E+03
9.8073E+00	1.6958E-02	1.8614E+00	3.7357E+04	1.2642E+03

Table III. Oscillator-strength density, $\mathrm{d}f/\mathrm{d}E$, photoabsorption cross section, σ_{a}, and mass absorption coefficient, μ_{m}. (Continued)

Energy (eV)	f_n (eV^{-1})	σ_a (Mb)	μ_{m} ($\mathrm{cm}^2\ \mathrm{g}^{-1}$)	λ (Å)
9.8174E+00	1.9837E-02	2.1774E+00	4.3699E+04	1.2629E+03
9.8205E+00	1.8047E-02	1.9808E+00	3.9755E+04	1.2625E+03
9.8268E+00	1.8925E-02	2.0772E+00	4.1688E+04	1.2617E+03
9.8408E+00	2.0153E-02	2.2121E+00	4.4395E+04	1.2599E+03
9.8494E+00	2.2400E-02	2.4587E+00	4.9345E+04	1.2588E+03
9.8564E+00	1.9592E-02	2.1504E+00	4.3158E+04	1.2579E+03
9.8627E+00	2.0575E-02	2.2583E+00	4.5323E+04	1.2571E+03
9.8651E+00	2.1417E-02	2.3508E+00	4.7180E+04	1.2568E+03
9.8745E+00	1.9205E-02	2.1080E+00	4.2307E+04	1.2556E+03
9.8808E+00	1.8152E-02	1.9924E+00	3.9987E+04	1.2548E+03
9.8847E+00	1.8328E-02	2.0117E+00	4.0373E+04	1.2543E+03
9.8903E+00	1.7415E-02	1.9115E+00	3.8363E+04	1.2536E+03
9.9029E+00	2.0329E-02	2.2313E+00	4.4782E+04	1.2520E+03
9.9084E+00	2.5455E-02	2.7940E+00	5.6074E+04	1.2513E+03
9.9116E+00	2.4683E-02	2.7092E+00	5.4373E+04	1.2509E+03
9.9203E+00	2.6333E-02	2.8903E+00	5.8008E+04	1.2498E+03
9.9243E+00	2.5209E-02	2.7670E+00	5.5533E+04	1.2493E+03
9.9402E+00	1.9241E-02	2.1119E+00	4.2384E+04	1.2473E+03
9.9490E+00	1.8082E-02	1.9847E+00	3.9832E+04	1.2462E+03
9.9514E+00	1.8749E-02	2.0579E+00	4.1302E+04	1.2459E+03
9.9570E+00	1.8644E-02	2.0463E+00	4.1070E+04	1.2452E+03
9.9634E+00	2.3173E-02	2.5435E+00	5.1047E+04	1.2444E+03
9.9706E+00	1.7977E-02	1.9731E+00	3.9600E+04	1.2435E+03
9.9746E+00	2.0224E-02	2.2198E+00	4.4550E+04	1.2430E+03
9.9874E+00	1.8538E-02	2.0348E+00	4.0838E+04	1.2414E+03
1.0002E+01	1.8012E-02	1.9770E+00	3.9677E+04	1.2396E+03
1.0008E+01	1.9837E-02	2.1774E+00	4.3699E+04	1.2389E+03
1.0012E+01	1.9241E-02	2.1119E+00	4.2384E+04	1.2384E+03
1.0015E+01	1.9767E-02	2.1697E+00	4.3545E+04	1.2380E+03
1.0028E+01	2.2646E-02	2.4857E+00	4.9887E+04	1.2364E+03
1.0034E+01	1.9978E-02	2.1928E+00	4.4009E+04	1.2357E+03
1.0037E+01	2.1558E-02	2.3662E+00	4.7489E+04	1.2353E+03
1.0046E+01	2.0048E-02	2.2005E+00	4.4163E+04	1.2342E+03
1.0051E+01	2.0048E-02	2.2005E+00	4.4163E+04	1.2336E+03
1.0054E+01	2.2997E-02	2.5242E+00	5.0660E+04	1.2332E+03
1.0064E+01	2.0504E-02	2.2506E+00	4.5169E+04	1.2320E+03

Table III. Oscillator-strength density, $\mathrm{d}f/\mathrm{d}E$, photoabsorption cross section, σ_{a}, and mass absorption coefficient, μ_{m}. (Continued)

Energy (eV)	f_n (eV^{-1})	σ_a (Mb)	μ_{m} (cm^2 g^{-1})	λ (Å)
1.0079E+01	1.7871E-02	1.9616E+00	3.9368E+04	1.2301E+03
1.0088E+01	1.7309E-02	1.8999E+00	3.8130E+04	1.2290E+03
1.0094E+01	1.8644E-02	2.0463E+00	4.1070E+04	1.2283E+03
1.0104E+01	2.5631E-02	2.8132E+00	5.6461E+04	1.2271E+03
1.0112E+01	2.2014E-02	2.4163E+00	4.8495E+04	1.2261E+03
1.0116E+01	2.1488E-02	2.3585E+00	4.7334E+04	1.2256E+03
1.0122E+01	2.3840E-02	2.6167E+00	5.2516E+04	1.2249E+03
1.0134E+01	1.9627E-02	2.1542E+00	4.3235E+04	1.2235E+03
1.0146E+01	2.4226E-02	2.6591E+00	5.3367E+04	1.2220E+03
1.0153E+01	2.0645E-02	2.2660E+00	4.5478E+04	1.2211E+03
1.0171E+01	1.9908E-02	2.1851E+00	4.3854E+04	1.2190E+03
1.0184E+01	2.2576E-02	2.4780E+00	4.9732E+04	1.2174E+03
1.0192E+01	2.1944E-02	2.4086E+00	4.8340E+04	1.2165E+03
1.0199E+01	2.2962E-02	2.5204E+00	5.0583E+04	1.2157E+03
1.0213E+01	2.4472E-02	2.6861E+00	5.3909E+04	1.2140E+03
1.0222E+01	2.2857E-02	2.5088E+00	5.0351E+04	1.2129E+03
1.0235E+01	2.0048E-02	2.2005E+00	4.4163E+04	1.2114E+03
1.0241E+01	2.1417E-02	2.3508E+00	4.7180E+04	1.2107E+03
1.0253E+01	2.0294E-02	2.2275E+00	4.4705E+04	1.2092E+03
1.0256E+01	2.0750E-02	2.2776E+00	4.5710E+04	1.2089E+03
1.0268E+01	1.8573E-02	2.0386E+00	4.0915E+04	1.2075E+03
1.0275E+01	1.9627E-02	2.1542E+00	4.3235E+04	1.2066E+03
1.0280E+01	1.9802E-02	2.1735E+00	4.3622E+04	1.2061E+03
1.0290E+01	1.9662E-02	2.1581E+00	4.3313E+04	1.2049E+03
1.0299E+01	2.1242E-02	2.3315E+00	4.6793E+04	1.2039E+03
1.0310E+01	2.0680E-02	2.2699E+00	4.5555E+04	1.2026E+03
1.0317E+01	2.0680E-02	2.2699E+00	4.5555E+04	1.2018E+03
1.0327E+01	2.2436E-02	2.4625E+00	4.9423E+04	1.2006E+03
1.0336E+01	2.1312E-02	2.3392E+00	4.6948E+04	1.1995E+03
1.0341E+01	2.1628E-02	2.3739E+00	4.7644E+04	1.1990E+03
1.0346E+01	2.0469E-02	2.2467E+00	4.5091E+04	1.1984E+03
1.0362E+01	2.1944E-02	2.4086E+00	4.8340E+04	1.1965E+03
1.0374E+01	2.1136E-02	2.3200E+00	4.6561E+04	1.1951E+03
1.0379E+01	2.0364E-02	2.2352E+00	4.4859E+04	1.1946E+03
1.0381E+01	2.0399E-02	2.2390E+00	4.4937E+04	1.1943E+03
1.0390E+01	2.0996E-02	2.3045E+00	4.6252E+04	1.1933E+03

Table III. Oscillator-strength density, $\mathrm{d}f/\mathrm{d}E$, photoabsorption cross section, σ_{a}, and mass absorption coefficient, μ_{m}. (Continued)

Energy (eV)	f_n (eV^{-1})	σ_a (Mb)	μ_{m} (cm^2 g^{-1})	λ (Å)
1.0397E+01	2.3103E-02	2.5358E+00	5.0892E+04	1.1925E+03
1.0404E+01	2.1172E-02	2.3238E+00	4.6638E+04	1.1917E+03
1.0410E+01	2.4577E-02	2.6976E+00	5.4141E+04	1.1910E+03
1.0424E+01	2.2120E-02	2.4279E+00	4.8727E+04	1.1894E+03
1.0428E+01	2.2365E-02	2.4548E+00	4.9268E+04	1.1889E+03
1.0437E+01	2.3384E-02	2.5666E+00	5.1511E+04	1.1879E+03
1.0444E+01	2.5666E-02	2.8171E+00	5.6538E+04	1.1871E+03
1.0449E+01	2.6649E-02	2.9250E+00	5.8704E+04	1.1866E+03
1.0458E+01	2.5947E-02	2.8479E+00	5.7157E+04	1.1855E+03
1.0468E+01	2.2295E-02	2.4471E+00	4.9113E+04	1.1844E+03
1.0480E+01	2.2084E-02	2.4240E+00	4.8649E+04	1.1831E+03
1.0485E+01	2.2049E-02	2.4202E+00	4.8572E+04	1.1825E+03
1.0490E+01	2.3032E-02	2.5281E+00	5.0738E+04	1.1819E+03
1.0496E+01	2.2260E-02	2.4433E+00	4.9036E+04	1.1813E+03
1.0503E+01	2.2681E-02	2.4895E+00	4.9964E+04	1.1805E+03
1.0514E+01	2.5771E-02	2.8287E+00	5.6770E+04	1.1792E+03
1.0522E+01	2.3138E-02	2.5396E+00	5.0970E+04	1.1783E+03
1.0531E+01	2.4296E-02	2.6668E+00	5.3522E+04	1.1773E+03
1.0536E+01	2.2681E-02	2.4895E+00	4.9964E+04	1.1768E+03
1.0544E+01	2.3700E-02	2.6013E+00	5.2207E+04	1.1759E+03
1.0557E+01	2.4507E-02	2.6899E+00	5.3986E+04	1.1744E+03
1.0568E+01	3.1073E-02	3.4106E+00	6.8449E+04	1.1732E+03
1.0578E+01	2.5771E-02	2.8287E+00	5.6770E+04	1.1721E+03
1.0592E+01	2.7175E-02	2.9828E+00	5.9864E+04	1.1706E+03
1.0605E+01	2.3735E-02	2.6051E+00	5.2284E+04	1.1691E+03
1.0608E+01	2.4472E-02	2.6861E+00	5.3909E+04	1.1688E+03
1.0613E+01	2.4367E-02	2.6745E+00	5.3677E+04	1.1682E+03
1.0622E+01	2.5034E-02	2.7477E+00	5.5146E+04	1.1672E+03
1.0626E+01	2.6227E-02	2.8788E+00	5.7776E+04	1.1668E+03
1.0632E+01	2.3700E-02	2.6013E+00	5.2207E+04	1.1661E+03
1.0643E+01	2.6438E-02	2.9019E+00	5.8240E+04	1.1649E+03
1.0652E+01	2.3454E-02	2.5743E+00	5.1666E+04	1.1639E+03
1.0662E+01	2.5385E-02	2.7863E+00	5.5920E+04	1.1629E+03
1.0676E+01	2.3770E-02	2.6090E+00	5.2362E+04	1.1613E+03
1.0682E+01	2.6438E-02	2.9019E+00	5.8240E+04	1.1607E+03
1.0690E+01	2.5841E-02	2.8364E+00	5.6925E+04	1.1598E+03

Table III. Oscillator-strength density, $\mathrm{d}f/\mathrm{d}E$, photoabsorption cross section, σ_{a}, and mass absorption coefficient, μ_{m}. (Continued)

Energy (eV)	f_n (eV^{-1})	σ_a (Mb)	μ_{m} (cm^2 g^{-1})	λ (Å)
1.0700E+01	2.4507E-02	2.6899E+00	5.3986E+04	1.1587E+03
1.0706E+01	2.9458E-02	3.2333E+00	6.4891E+04	1.1581E+03
1.0712E+01	2.9423E-02	3.2294E+00	6.4814E+04	1.1574E+03
1.0716E+01	2.7316E-02	2.9982E+00	6.0173E+04	1.1570E+03
1.0721E+01	2.7316E-02	2.9982E+00	6.0173E+04	1.1565E+03
1.0726E+01	2.9423E-02	3.2294E+00	6.4814E+04	1.1559E+03
1.0735E+01	2.8475E-02	3.1254E+00	6.2726E+04	1.1549E+03
1.0746E+01	3.0335E-02	3.3296E+00	6.6825E+04	1.1538E+03
1.0762E+01	2.9001E-02	3.1832E+00	6.3886E+04	1.1521E+03
1.0773E+01	2.6930E-02	2.9558E+00	5.9323E+04	1.1509E+03
1.0780E+01	2.8931E-02	3.1755E+00	6.3731E+04	1.1501E+03
1.0794E+01	2.8615E-02	3.1408E+00	6.3035E+04	1.1486E+03
1.0802E+01	3.1670E-02	3.4761E+00	6.9764E+04	1.1478E+03
1.0819E+01	2.9668E-02	3.2564E+00	6.5355E+04	1.1460E+03
1.0831E+01	3.2372E-02	3.5532E+00	7.1311E+04	1.1447E+03
1.0834E+01	3.1283E-02	3.4337E+00	6.8913E+04	1.1444E+03
1.0846E+01	3.2266E-02	3.5416E+00	7.1079E+04	1.1431E+03
1.0860E+01	2.9914E-02	3.2834E+00	6.5897E+04	1.1417E+03
1.0864E+01	2.7772E-02	3.0483E+00	6.1179E+04	1.1412E+03
1.0876E+01	3.1038E-02	3.4067E+00	6.8372E+04	1.1400E+03
1.0888E+01	3.4092E-02	3.7420E+00	7.5101E+04	1.1387E+03
1.0895E+01	3.4303E-02	3.7651E+00	7.5565E+04	1.1380E+03
1.0900E+01	3.5813E-02	3.9308E+00	7.8891E+04	1.1375E+03
1.0908E+01	3.1986E-02	3.5108E+00	7.0460E+04	1.1366E+03
1.0914E+01	2.8264E-02	3.1023E+00	6.2262E+04	1.1360E+03
1.0920E+01	2.9563E-02	3.2449E+00	6.5123E+04	1.1354E+03
1.0930E+01	2.6789E-02	2.9404E+00	5.9013E+04	1.1343E+03
1.0935E+01	2.5631E-02	2.8132E+00	5.6461E+04	1.1338E+03
1.0940E+01	2.5350E-02	2.7824E+00	5.5842E+04	1.1333E+03
1.0945E+01	2.6192E-02	2.8749E+00	5.7698E+04	1.1328E+03
1.0954E+01	2.5947E-02	2.8479E+00	5.7157E+04	1.1319E+03
1.0958E+01	2.9001E-02	3.1832E+00	6.3886E+04	1.1314E+03
1.0968E+01	3.0160E-02	3.3104E+00	6.6438E+04	1.1304E+03
1.0976E+01	2.9317E-02	3.2179E+00	6.4582E+04	1.1296E+03
1.0981E+01	3.5813E-02	3.9308E+00	7.8891E+04	1.1291E+03
1.0989E+01	3.4127E-02	3.7458E+00	7.5178E+04	1.1283E+03

Table III. Oscillator-strength density, $\mathrm{d}f/\mathrm{d}E$, photoabsorption cross section, σ_{a}, and mass absorption coefficient, μ_{m}. (Continued)

Energy (eV)	f_n (eV^{-1})	σ_a (Mb)	μ_{m} (cm^2 g^{-1})	λ (Å)
1.0998E+01	4.0026E-02	4.3933E+00	8.8172E+04	1.1273E+03
1.1002E+01	3.1038E-02	3.4067E+00	6.8372E+04	1.1269E+03
1.1009E+01	3.1810E-02	3.4915E+00	7.0073E+04	1.1262E+03
1.1011E+01	3.0827E-02	3.3836E+00	6.7908E+04	1.1260E+03
1.1020E+01	3.0511E-02	3.3489E+00	6.7212E+04	1.1251E+03
1.1023E+01	3.2512E-02	3.5686E+00	7.1620E+04	1.1248E+03
1.1031E+01	3.1705E-02	3.4799E+00	6.9841E+04	1.1240E+03
1.1045E+01	3.2231E-02	3.5377E+00	7.1002E+04	1.1225E+03
1.1057E+01	3.4900E-02	3.8306E+00	7.6880E+04	1.1213E+03
1.1074E+01	3.5110E-02	3.8538E+00	7.7344E+04	1.1196E+03
1.1079E+01	3.6164E-02	3.9694E+00	7.9664E+04	1.1191E+03
1.1087E+01	3.6164E-02	3.9694E+00	7.9664E+04	1.1183E+03
1.1091E+01	3.6515E-02	4.0079E+00	8.0438E+04	1.1179E+03
1.1095E+01	3.7919E-02	4.1621E+00	8.3531E+04	1.1175E+03
1.1105E+01	4.1430E-02	4.5474E+00	9.1266E+04	1.1165E+03
1.1119E+01	4.3537E-02	4.7787E+00	9.5906E+04	1.1151E+03
1.1126E+01	4.3537E-02	4.7787E+00	9.5906E+04	1.1144E+03
1.1138E+01	4.7399E-02	5.2026E+00	1.0441E+05	1.1132E+03
1.1146E+01	4.9155E-02	5.3953E+00	1.0828E+05	1.1124E+03
1.1154E+01	5.4421E-02	5.9733E+00	1.1988E+05	1.1116E+03
1.1165E+01	6.0039E-02	6.5899E+00	1.3226E+05	1.1105E+03
1.1171E+01	6.3901E-02	7.0138E+00	1.4077E+05	1.1099E+03
1.1181E+01	5.7581E-02	6.3202E+00	1.2684E+05	1.1089E+03
1.1187E+01	5.4421E-02	5.9733E+00	1.1988E+05	1.1083E+03
1.1192E+01	4.5644E-02	5.0099E+00	1.0055E+05	1.1078E+03
1.1198E+01	4.7750E-02	5.2411E+00	1.0519E+05	1.1072E+03
1.1210E+01	4.1430E-02	4.5474E+00	9.1266E+04	1.1060E+03
1.1220E+01	4.1079E-02	4.5089E+00	9.0492E+04	1.1050E+03
1.1226E+01	3.8973E-02	4.2777E+00	8.5852E+04	1.1044E+03
1.1232E+01	3.3952E-02	3.7266E+00	7.4791E+04	1.1038E+03
1.1239E+01	4.0026E-02	4.3933E+00	8.8172E+04	1.1032E+03
1.1250E+01	3.7217E-02	4.0850E+00	8.1984E+04	1.1021E+03
1.1255E+01	3.8270E-02	4.2006E+00	8.4305E+04	1.1016E+03
1.1265E+01	4.1781E-02	4.5860E+00	9.2039E+04	1.1006E+03
1.1276E+01	4.1781E-02	4.5860E+00	9.2039E+04	1.0995E+03
1.1293E+01	4.5644E-02	5.0099E+00	1.0055E+05	1.0979E+03

Table III. Oscillator-strength density, $\mathrm{d}f/\mathrm{d}E$, photoabsorption cross section, σ_{a}, and mass absorption coefficient, μ_{m}. (Continued)

Energy (eV)	f_n (eV^{-1})	σ_a (Mb)	μ_{m} ($\mathrm{cm}^2\ \mathrm{g}^{-1}$)	λ (Å)
1.1301E+01	4.7399E-02	5.2026E+00	1.0441E+05	1.0971E+03
1.1313E+01	5.0559E-02	5.5494E+00	1.1138E+05	1.0959E+03
1.1327E+01	4.7048E-02	5.1640E+00	1.0364E+05	1.0946E+03
1.1339E+01	4.9506E-02	5.4338E+00	1.0905E+05	1.0934E+03
1.1347E+01	5.0208E-02	5.5109E+00	1.1060E+05	1.0927E+03
1.1357E+01	5.0910E-02	5.5879E+00	1.1215E+05	1.0917E+03
1.1363E+01	5.2666E-02	5.7806E+00	1.1602E+05	1.0911E+03
1.1375E+01	5.4772E-02	6.0119E+00	1.2066E+05	1.0900E+03
1.1388E+01	6.0741E-02	6.6670E+00	1.3380E+05	1.0887E+03
1.1399E+01	7.0572E-02	7.7460E+00	1.5546E+05	1.0877E+03
1.1408E+01	8.3212E-02	9.1334E+00	1.8330E+05	1.0868E+03
1.1416E+01	8.9883E-02	9.8656E+00	1.9800E+05	1.0861E+03
1.1431E+01	7.2679E-02	7.9773E+00	1.6010E+05	1.0846E+03
1.1448E+01	8.0052E-02	8.7866E+00	1.7634E+05	1.0830E+03
1.1463E+01	1.0709E-01	1.1754E+01	2.3590E+05	1.0816E+03
1.1482E+01	8.3563E-02	9.1719E+00	1.8408E+05	1.0798E+03
1.1503E+01	9.4798E-02	1.0405E+01	2.0883E+05	1.0778E+03
1.1512E+01	8.1105E-02	8.9022E+00	1.7866E+05	1.0770E+03
1.1523E+01	7.3381E-02	8.0543E+00	1.6165E+05	1.0760E+03
1.1530E+01	6.9519E-02	7.6304E+00	1.5314E+05	1.0753E+03
1.1545E+01	6.7061E-02	7.3607E+00	1.4773E+05	1.0739E+03
1.1553E+01	6.7061E-02	7.3607E+00	1.4773E+05	1.0732E+03
1.1558E+01	6.3550E-02	6.9753E+00	1.3999E+05	1.0727E+03
1.1564E+01	6.4252E-02	7.0524E+00	1.4154E+05	1.0722E+03
1.1572E+01	6.0741E-02	6.6670E+00	1.3380E+05	1.0714E+03
1.1580E+01	6.3550E-02	6.9753E+00	1.3999E+05	1.0707E+03
1.1588E+01	5.9337E-02	6.5128E+00	1.3071E+05	1.0699E+03
1.1599E+01	6.3550E-02	6.9753E+00	1.3999E+05	1.0689E+03
1.1604E+01	6.6359E-02	7.2836E+00	1.4618E+05	1.0685E+03
1.1613E+01	7.4785E-02	8.2085E+00	1.6474E+05	1.0676E+03
1.1620E+01	8.6021E-02	9.4417E+00	1.8949E+05	1.0670E+03
1.1626E+01	1.0533E-01	1.1561E+01	2.3203E+05	1.0664E+03
1.1641E+01	1.2921E-01	1.4182E+01	2.8463E+05	1.0651E+03
1.1657E+01	1.1200E-01	1.2293E+01	2.4673E+05	1.0636E+03
1.1668E+01	9.4798E-02	1.0405E+01	2.0883E+05	1.0626E+03
1.1678E+01	7.5838E-02	8.3241E+00	1.6706E+05	1.0617E+03

Table III. Oscillator-strength density, $\mathrm{d}f/\mathrm{d}E$, photoabsorption cross section, σ_{a}, and mass absorption coefficient, μ_{m}. (Continued)

Energy (eV)	f_n (eV^{-1})	σ_a (Mb)	μ_{m} (cm^2 g^{-1})	λ (Å)
1.1702E+01	9.0234E-02	9.9041E+00	1.9877E+05	1.0595E+03
1.1710E+01	1.1235E-01	1.2332E+01	2.4750E+05	1.0588E+03
1.1736E+01	1.1481E-01	1.2602E+01	2.5291E+05	1.0564E+03
1.1746E+01	1.1165E-01	1.2255E+01	2.4595E+05	1.0555E+03
1.1755E+01	1.0919E-01	1.1985E+01	2.4054E+05	1.0547E+03
1.1761E+01	1.2991E-01	1.4259E+01	2.8617E+05	1.0542E+03
1.1781E+01	1.2113E-01	1.3295E+01	2.6684E+05	1.0524E+03
1.1801E+01	8.9532E-02	9.8271E+00	1.9723E+05	1.0506E+03
1.1807E+01	7.9701E-02	8.7480E+00	1.7557E+05	1.0501E+03
1.1814E+01	7.3381E-02	8.0543E+00	1.6165E+05	1.0495E+03
1.1833E+01	8.6723E-02	9.5188E+00	1.9104E+05	1.0478E+03
1.1841E+01	1.0182E-01	1.1176E+01	2.2430E+05	1.0471E+03
1.1846E+01	1.1481E-01	1.2602E+01	2.5291E+05	1.0466E+03
1.1861E+01	1.4395E-01	1.5800E+01	3.1711E+05	1.0453E+03
1.1875E+01	1.5449E-01	1.6957E+01	3.4031E+05	1.0441E+03
1.1882E+01	1.5449E-01	1.6957E+01	3.4031E+05	1.0435E+03
1.1888E+01	1.5800E-01	1.7342E+01	3.4805E+05	1.0429E+03
1.1893E+01	1.6151E-01	1.7727E+01	3.5578E+05	1.0425E+03
1.1911E+01	1.5800E-01	1.7342E+01	3.4805E+05	1.0409E+03
1.1923E+01	1.1481E-01	1.2602E+01	2.5291E+05	1.0399E+03
1.1932E+01	7.0572E-02	7.7460E+00	1.5546E+05	1.0391E+03
1.1943E+01	1.3307E-01	1.4606E+01	2.9313E+05	1.0381E+03
1.1954E+01	1.5800E-01	1.7342E+01	3.4805E+05	1.0372E+03
1.1962E+01	1.4395E-01	1.5800E+01	3.1711E+05	1.0365E+03
1.1973E+01	1.4044E-01	1.5415E+01	3.0938E+05	1.0355E+03
1.1987E+01	1.6151E-01	1.7727E+01	3.5578E+05	1.0343E+03
1.1995E+01	1.6853E-01	1.8498E+01	3.7125E+05	1.0336E+03
1.2015E+01	1.2991E-01	1.4259E+01	2.8617E+05	1.0319E+03
1.2028E+01	8.6372E-02	9.4802E+00	1.9027E+05	1.0308E+03
1.2035E+01	8.4265E-02	9.2490E+00	1.8563E+05	1.0302E+03
1.2045E+01	9.4447E-02	1.0367E+01	2.0805E+05	1.0293E+03
1.2058E+01	1.1200E-01	1.2293E+01	2.4673E+05	1.0282E+03
1.2071E+01	1.3869E-01	1.5222E+01	3.0551E+05	1.0271E+03
1.2088E+01	1.8257E-01	2.0040E+01	4.0219E+05	1.0257E+03
1.2100E+01	2.0715E-01	2.2737E+01	4.5633E+05	1.0247E+03
1.2115E+01	2.3875E-01	2.6206E+01	5.2594E+05	1.0234E+03

Table III. Oscillator-strength density, $\mathrm{d}f/\mathrm{d}E$, photoabsorption cross section, σ_{a}, and mass absorption coefficient, μ_{m}. (Continued)

Energy (eV)	f_n (eV^{-1})	σ_a (Mb)	μ_{m} ($\mathrm{cm}^2\ \mathrm{g}^{-1}$)	λ (Å)
1.2127E+01	2.1768E-01	2.3893E+01	4.7953E+05	1.0224E+03
1.2146E+01	2.4226E-01	2.6591E+01	5.3367E+05	1.0208E+03
1.2162E+01	2.0153E-01	2.2121E+01	4.4395E+05	1.0194E+03
1.2182E+01	2.0715E-01	2.2737E+01	4.5633E+05	1.0178E+03
1.2192E+01	2.1066E-01	2.3123E+01	4.6406E+05	1.0169E+03
1.2203E+01	1.8257E-01	2.0040E+01	4.0219E+05	1.0160E+03
1.2225E+01	1.7555E-01	1.9269E+01	3.8672E+05	1.0142E+03
1.2233E+01	1.7204E-01	1.8883E+01	3.7898E+05	1.0135E+03
1.2248E+01	1.4746E-01	1.6186E+01	3.2484E+05	1.0123E+03
1.2257E+01	1.4395E-01	1.5800E+01	3.1711E+05	1.0115E+03
1.2266E+01	1.5097E-01	1.6571E+01	3.3258E+05	1.0108E+03
1.2276E+01	1.6151E-01	1.7727E+01	3.5578E+05	1.0100E+03
1.2283E+01	1.7555E-01	1.9269E+01	3.8672E+05	1.0094E+03
1.2290E+01	1.8257E-01	2.0040E+01	4.0219E+05	1.0088E+03
1.2305E+01	1.8609E-01	2.0425E+01	4.0992E+05	1.0076E+03
1.2322E+01	1.9311E-01	2.1196E+01	4.2539E+05	1.0062E+03
1.2331E+01	2.0013E-01	2.1966E+01	4.4086E+05	1.0055E+03
1.2342E+01	1.9662E-01	2.1581E+01	4.3313E+05	1.0046E+03
1.2349E+01	2.1066E-01	2.3123E+01	4.6406E+05	1.0040E+03
1.2366E+01	2.4226E-01	2.6591E+01	5.3367E+05	1.0026E+03
1.2375E+01	2.6684E-01	2.9289E+01	5.8781E+05	1.0019E+03
1.2390E+01	2.9142E-01	3.1986E+01	6.4195E+05	1.0007E+03
1.2398E+01	2.6684E-01	2.9289E+01	5.8781E+05	1.0000E+03
1.2413E+01	2.5280E-01	2.7747E+01	5.5688E+05	9.9880E+02
1.2428E+01	2.1768E-01	2.3893E+01	4.7953E+05	9.9760E+02
1.2441E+01	1.6151E-01	1.7727E+01	3.5578E+05	9.9660E+02
1.2447E+01	1.6151E-01	1.7727E+01	3.5578E+05	9.9610E+02
1.2458E+01	1.5449E-01	1.6957E+01	3.4031E+05	9.9520E+02
1.2471E+01	1.8257E-01	2.0040E+01	4.0219E+05	9.9420E+02
1.2482E+01	1.8960E-01	2.0810E+01	4.1766E+05	9.9330E+02
1.2502E+01	1.5800E-01	1.7342E+01	3.4805E+05	9.9170E+02
1.2516E+01	1.7204E-01	1.8883E+01	3.7898E+05	9.9060E+02
1.2529E+01	1.7204E-01	1.8883E+01	3.7898E+05	9.8960E+02
1.2543E+01	1.7555E-01	1.9269E+01	3.8672E+05	9.8850E+02
1.2563E+01	1.8257E-01	2.0040E+01	4.0219E+05	9.8690E+02
1.2573E+01	1.9662E-01	2.1581E+01	4.3313E+05	9.8610E+02

Table III. Oscillator-strength density, $\mathrm{d}f/\mathrm{d}E$, photoabsorption cross section, σ_{a}, and mass absorption coefficient, μ_{m}. (Continued)

Energy (eV)	f_n (eV^{-1})	σ_a (Mb)	μ_{m} ($\mathrm{cm}^2\ \mathrm{g}^{-1}$)	λ (Å)
1.2592E+01	2.5280E-01	2.7747E+01	5.5688E+05	9.8460E+02
1.2603E+01	2.7737E-01	3.0445E+01	6.1102E+05	9.8380E+02
1.2624E+01	2.8439E-01	3.1215E+01	6.2648E+05	9.8210E+02
1.2635E+01	1.8960E-01	2.0810E+01	4.1766E+05	9.8130E+02
1.2650E+01	1.6151E-01	1.7727E+01	3.5578E+05	9.8010E+02
1.2662E+01	1.7555E-01	1.9269E+01	3.8672E+05	9.7920E+02
1.2671E+01	1.8609E-01	2.0425E+01	4.0992E+05	9.7850E+02
1.2684E+01	1.9662E-01	2.1581E+01	4.3313E+05	9.7750E+02
1.2694E+01	1.6853E-01	1.8498E+01	3.7125E+05	9.7670E+02
1.2701E+01	1.7204E-01	1.8883E+01	3.7898E+05	9.7620E+02
1.2722E+01	1.8960E-01	2.0810E+01	4.1766E+05	9.7460E+02
1.2737E+01	1.9662E-01	2.1581E+01	4.3313E+05	9.7340E+02
1.2749E+01	2.0715E-01	2.2737E+01	4.5633E+05	9.7250E+02
1.2778E+01	1.9662E-01	2.1581E+01	4.3313E+05	9.7030E+02
1.2792E+01	2.0364E-01	2.2352E+01	4.4859E+05	9.6920E+02
1.2804E+01	2.0013E-01	2.1966E+01	4.4086E+05	9.6830E+02
1.2815E+01	1.8609E-01	2.0425E+01	4.0992E+05	9.6750E+02
1.2835E+01	1.8257E-01	2.0040E+01	4.0219E+05	9.6600E+02
1.2851E+01	1.6502E-01	1.8113E+01	3.6352E+05	9.6480E+02
1.2860E+01	1.7204E-01	1.8883E+01	3.7898E+05	9.6410E+02
1.2877E+01	1.7555E-01	1.9269E+01	3.8672E+05	9.6280E+02
1.2892E+01	1.7204E-01	1.8883E+01	3.7898E+05	9.6170E+02
1.2906E+01	1.9311E-01	2.1196E+01	4.2539E+05	9.6070E+02
1.2915E+01	1.8960E-01	2.0810E+01	4.1766E+05	9.6000E+02
1.2937E+01	1.5800E-01	1.7342E+01	3.4805E+05	9.5840E+02
1.2945E+01	1.6151E-01	1.7727E+01	3.5578E+05	9.5780E+02
1.2957E+01	1.6151E-01	1.7727E+01	3.5578E+05	9.5690E+02
1.2973E+01	1.7204E-01	1.8883E+01	3.7898E+05	9.5570E+02
1.2985E+01	1.8257E-01	2.0040E+01	4.0219E+05	9.5480E+02
1.3000E+01	1.5835E-01	1.7380E+01	3.4882E+05	9.5370E+02
1.3019E+01	1.3096E-01	1.4374E+01	2.8849E+05	9.5230E+02
1.3039E+01	1.3834E-01	1.5184E+01	3.0473E+05	9.5090E+02
1.3055E+01	1.3693E-01	1.5030E+01	3.0164E+05	9.4970E+02
1.3063E+01	1.2605E-01	1.3835E+01	2.7766E+05	9.4910E+02
1.3077E+01	1.4395E-01	1.5800E+01	3.1711E+05	9.4810E+02
1.3096E+01	1.7204E-01	1.8883E+01	3.7898E+05	9.4670E+02

Table III. Oscillator-strength density, $\mathrm{d}f/\mathrm{d}E$, photoabsorption cross section, σ_{a}, and mass absorption coefficient, μ_{m}. (Continued)

Energy (eV)	f_n (eV^{-1})	σ_a (Mb)	μ_{m} ($\mathrm{cm}^2\ \mathrm{g}^{-1}$)	λ (Å)
1.3106E+01	1.8960E-01	2.0810E+01	4.1766E+05	9.4600E+02
1.3117E+01	2.0364E-01	2.2352E+01	4.4859E+05	9.4520E+02
1.3123E+01	2.1066E-01	2.3123E+01	4.6406E+05	9.4480E+02
1.3145E+01	3.4057E-01	3.7381E+01	7.5023E+05	9.4320E+02
1.3159E+01	3.2302E-01	3.5455E+01	7.1156E+05	9.4220E+02
1.3167E+01	3.8973E-01	4.2777E+01	8.5852E+05	9.4160E+02
1.3187E+01	2.9142E-01	3.1986E+01	6.4195E+05	9.4020E+02
1.3224E+01	1.7204E-01	1.8883E+01	3.7898E+05	9.3760E+02
1.3233E+01	1.5097E-01	1.6571E+01	3.3258E+05	9.3690E+02
1.3243E+01	1.4746E-01	1.6186E+01	3.2484E+05	9.3620E+02
1.3252E+01	1.4395E-01	1.5800E+01	3.1711E+05	9.3560E+02
1.3266E+01	1.4395E-01	1.5800E+01	3.1711E+05	9.3460E+02
1.3289E+01	2.0013E-01	2.1966E+01	4.4086E+05	9.3300E+02
1.3310E+01	2.8791E-01	3.1601E+01	6.3422E+05	9.3150E+02
1.3327E+01	3.0546E-01	3.3528E+01	6.7289E+05	9.3030E+02
1.3332E+01	2.9493E-01	3.2372E+01	6.4969E+05	9.3000E+02
1.3349E+01	2.7386E-01	3.0059E+01	6.0328E+05	9.2880E+02
1.3378E+01	3.2653E-01	3.5840E+01	7.1930E+05	9.2680E+02
1.3389E+01	3.1248E-01	3.4298E+01	6.8836E+05	9.2600E+02
1.3392E+01	3.1599E-01	3.4684E+01	6.9609E+05	9.2580E+02
1.3402E+01	3.0897E-01	3.3913E+01	6.8063E+05	9.2510E+02
1.3407E+01	3.2302E-01	3.5455E+01	7.1156E+05	9.2480E+02
1.3412E+01	3.3004E-01	3.6225E+01	7.2703E+05	9.2440E+02
1.3418E+01	3.1248E-01	3.4298E+01	6.8836E+05	9.2400E+02
1.3427E+01	3.1248E-01	3.4298E+01	6.8836E+05	9.2340E+02
1.3443E+01	2.8791E-01	3.1601E+01	6.3422E+05	9.2230E+02
1.3456E+01	2.7737E-01	3.0445E+01	6.1102E+05	9.2140E+02
1.3477E+01	3.0897E-01	3.3913E+01	6.8063E+05	9.2000E+02
1.3491E+01	3.2653E-01	3.5840E+01	7.1930E+05	9.1900E+02
1.3509E+01	2.9493E-01	3.2372E+01	6.4969E+05	9.1780E+02
1.3521E+01	2.9493E-01	3.2372E+01	6.4969E+05	9.1700E+02
1.3535E+01	2.8439E-01	3.1215E+01	6.2648E+05	9.1600E+02
1.3553E+01	2.6333E-01	2.8903E+01	5.8008E+05	9.1480E+02
1.3562E+01	2.6684E-01	2.9289E+01	5.8781E+05	9.1420E+02
1.3574E+01	2.5631E-01	2.8132E+01	5.6461E+05	9.1340E+02
1.3593E+01	2.7035E-01	2.9674E+01	5.9555E+05	9.1210E+02

Table III. Oscillator-strength density, $\mathrm{d}f/\mathrm{d}E$, photoabsorption cross section, σ_{a}, and mass absorption coefficient, μ_{m}. (Continued)

Energy (eV)	f_n (eV^{-1})	σ_a (Mb)	μ_{m} (cm^2 g^{-1})	λ (Å)
1.3604E+01	2.7737E-01	3.0445E+01	6.1102E+05	9.1140E+02
1.3617E+01	3.0195E-01	3.3142E+01	6.6516E+05	9.1050E+02
1.3647E+01	4.2484E-01	4.6630E+01	9.3586E+05	9.0850E+02
1.3661E+01	5.0910E-01	5.5879E+01	1.1215E+06	9.0760E+02
1.3673E+01	4.7048E-01	5.1640E+01	1.0364E+06	9.0680E+02
1.3683E+01	3.8621E-01	4.2391E+01	8.5078E+05	9.0610E+02
1.3698E+01	2.6684E-01	2.9289E+01	5.8781E+05	9.0510E+02
1.3720E+01	2.3875E-01	2.6206E+01	5.2594E+05	9.0370E+02
1.3733E+01	2.3173E-01	2.5435E+01	5.1047E+05	9.0280E+02
1.3739E+01	2.3524E-01	2.5820E+01	5.1820E+05	9.0240E+02
1.3753E+01	2.4928E-01	2.7362E+01	5.4914E+05	9.0150E+02
1.3761E+01	2.6333E-01	2.8903E+01	5.8008E+05	9.0100E+02
1.3782E+01	3.9324E-01	4.3162E+01	8.6625E+05	8.9960E+02
1.3796E+01	7.4785E-01	8.2085E+01	1.6474E+06	8.9870E+02
1.3807E+01	1.4817E+00	1.6263E+02	3.2639E+06	8.9800E+02
1.3817E+01	3.1564E+00	3.4645E+02	6.9532E+06	8.9730E+02
1.3824E+01	1.5729E+00	1.7265E+02	3.4650E+06	8.9690E+02
1.3828E+01	9.3043E-01	1.0212E+02	2.0496E+06	8.9660E+02
1.3844E+01	3.5813E-01	3.9308E+01	7.8891E+05	8.9560E+02
1.3861E+01	2.3173E-01	2.5435E+01	5.1047E+05	8.9450E+02
1.3862E+01	2.3173E-01	2.5435E+01	5.1047E+05	8.9440E+02
1.3889E+01	1.6853E-01	1.8498E+01	3.7125E+05	8.9270E+02
1.3900E+01	1.7204E-01	1.8883E+01	3.7898E+05	8.9200E+02
1.3917E+01	2.3875E-01	2.6206E+01	5.2594E+05	8.9090E+02
1.3940E+01	6.6710E-01	7.3221E+01	1.4695E+06	8.8940E+02
1.3956E+01	2.1768E-01	2.3893E+01	4.7953E+05	8.8840E+02
1.3964E+01	1.8257E-01	2.0040E+01	4.0219E+05	8.8790E+02
1.3968E+01	1.7906E-01	1.9654E+01	3.9445E+05	8.8760E+02
1.3973E+01	1.7555E-01	1.9269E+01	3.8672E+05	8.8730E+02
1.3981E+01	1.6151E-01	1.7727E+01	3.5578E+05	8.8680E+02
1.3989E+01	1.9311E-01	2.1196E+01	4.2539E+05	8.8630E+02
1.3998E+01	3.1599E-01	3.4684E+01	6.9609E+05	8.8570E+02
1.4005E+01	3.3706E-01	3.6996E+01	7.4250E+05	8.8530E+02
1.4010E+01	3.5813E-01	3.9308E+01	7.8891E+05	8.8500E+02
1.4021E+01	1.8609E-01	2.0425E+01	4.0992E+05	8.8430E+02
1.4025E+01	1.8257E-01	2.0040E+01	4.0219E+05	8.8400E+02

Table III. Oscillator-strength density, $\mathrm{d}f/\mathrm{d}E$, photoabsorption cross section, σ_{a}, and mass absorption coefficient, μ_{m}. (Continued)

Energy (eV)	f_n (eV^{-1})	σ_a (Mb)	μ_{m} ($\mathrm{cm}^2\ \mathrm{g}^{-1}$)	λ (Å)
1.4035E+01	1.9662E-01	2.1581E+01	4.3313E+05	8.8340E+02
1.4041E+01	2.6333E-01	2.8903E+01	5.8008E+05	8.8300E+02
1.4049E+01	3.2302E-01	3.5455E+01	7.1156E+05	8.8250E+02
1.4052E+01	2.8439E-01	3.1215E+01	6.2648E+05	8.8230E+02
1.4060E+01	3.4408E-01	3.7767E+01	7.5797E+05	8.8180E+02
1.4072E+01	2.1944E-01	2.4086E+01	4.8340E+05	8.8110E+02
1.4086E+01	1.6853E-01	1.8498E+01	3.7125E+05	8.8020E+02
1.4092E+01	1.8257E-01	2.0040E+01	4.0219E+05	8.7980E+02
1.4099E+01	1.6151E-01	1.7727E+01	3.5578E+05	8.7940E+02
1.4107E+01	1.7906E-01	1.9654E+01	3.9445E+05	8.7890E+02
1.4112E+01	1.8609E-01	2.0425E+01	4.0992E+05	8.7860E+02
1.4118E+01	1.9311E-01	2.1196E+01	4.2539E+05	8.7820E+02
1.4123E+01	1.8257E-01	2.0040E+01	4.0219E+05	8.7790E+02
1.4141E+01	1.4395E-01	1.5800E+01	3.1711E+05	8.7680E+02
1.4145E+01	1.4395E-01	1.5800E+01	3.1711E+05	8.7650E+02
1.4150E+01	1.3307E-01	1.4606E+01	2.9313E+05	8.7620E+02
1.4152E+01	1.3377E-01	1.4683E+01	2.9468E+05	8.7610E+02
1.4157E+01	1.3307E-01	1.4606E+01	2.9313E+05	8.7580E+02
1.4162E+01	1.2499E-01	1.3719E+01	2.7534E+05	8.7550E+02
1.4168E+01	1.2499E-01	1.3719E+01	2.7534E+05	8.7510E+02
1.4173E+01	1.1902E-01	1.3064E+01	2.6220E+05	8.7480E+02
1.4181E+01	1.2008E-01	1.3180E+01	2.6452E+05	8.7430E+02
1.4186E+01	1.2815E-01	1.4066E+01	2.8230E+05	8.7400E+02
1.4200E+01	1.3588E-01	1.4914E+01	2.9932E+05	8.7310E+02
1.4205E+01	1.3166E-01	1.4452E+01	2.9004E+05	8.7280E+02
1.4217E+01	1.2850E-01	1.4105E+01	2.8308E+05	8.7210E+02
1.4223E+01	1.3061E-01	1.4336E+01	2.8772E+05	8.7170E+02
1.4228E+01	1.2534E-01	1.3758E+01	2.7612E+05	8.7140E+02
1.4233E+01	1.4009E-01	1.5376E+01	3.0860E+05	8.7110E+02
1.4246E+01	2.1066E-01	2.3123E+01	4.6406E+05	8.7030E+02
1.4251E+01	1.8257E-01	2.0040E+01	4.0219E+05	8.7000E+02
1.4261E+01	2.4226E-01	2.6591E+01	5.3367E+05	8.6940E+02
1.4269E+01	1.8257E-01	2.0040E+01	4.0219E+05	8.6890E+02
1.4274E+01	1.8609E-01	2.0425E+01	4.0992E+05	8.6860E+02
1.4289E+01	1.3061E-01	1.4336E+01	2.8772E+05	8.6770E+02
1.4299E+01	1.2359E-01	1.3565E+01	2.7225E+05	8.6710E+02

Table III. Oscillator-strength density, $\mathrm{d}f/\mathrm{d}E$, photoabsorption cross section, σ_{a}, and mass absorption coefficient, μ_{m}. (Continued)

Energy (eV)	f_n (eV^{-1})	σ_a (Mb)	μ_{m} ($\mathrm{cm}^2\ \mathrm{g}^{-1}$)	λ (Å)
1.4305E+01	1.3553E-01	1.4875E+01	2.9855E+05	8.6670E+02
1.4312E+01	1.2710E-01	1.3951E+01	2.7998E+05	8.6630E+02
1.4319E+01	1.3658E-01	1.4991E+01	3.0087E+05	8.6590E+02
1.4328E+01	1.0674E-01	1.1715E+01	2.3513E+05	8.6530E+02
1.4333E+01	1.0147E-01	1.1137E+01	2.2352E+05	8.6500E+02
1.4338E+01	1.0814E-01	1.1870E+01	2.3822E+05	8.6470E+02
1.4343E+01	1.2429E-01	1.3642E+01	2.7380E+05	8.6440E+02
1.4350E+01	1.4746E-01	1.6186E+01	3.2484E+05	8.6400E+02
1.4355E+01	2.0715E-01	2.2737E+01	4.5633E+05	8.6370E+02
1.4362E+01	1.9662E-01	2.1581E+01	4.3313E+05	8.6330E+02
1.4368E+01	2.3875E-01	2.6206E+01	5.2594E+05	8.6290E+02
1.4378E+01	1.3904E-01	1.5261E+01	3.0628E+05	8.6230E+02
1.4383E+01	1.5097E-01	1.6571E+01	3.3258E+05	8.6200E+02
1.4392E+01	1.8257E-01	2.0040E+01	4.0219E+05	8.6150E+02
1.4398E+01	1.6151E-01	1.7727E+01	3.5578E+05	8.6110E+02
1.4407E+01	2.0364E-01	2.2352E+01	4.4859E+05	8.6060E+02
1.4413E+01	1.2394E-01	1.3604E+01	2.7302E+05	8.6020E+02
1.4420E+01	1.2289E-01	1.3488E+01	2.7070E+05	8.5980E+02
1.4425E+01	1.2324E-01	1.3527E+01	2.7148E+05	8.5950E+02
1.4432E+01	1.1762E-01	1.2910E+01	2.5910E+05	8.5910E+02
1.4447E+01	1.2850E-01	1.4105E+01	2.8308E+05	8.5820E+02
1.4452E+01	1.2675E-01	1.3912E+01	2.7921E+05	8.5790E+02
1.4457E+01	1.4746E-01	1.6186E+01	3.2484E+05	8.5760E+02
1.4467E+01	1.6502E-01	1.8113E+01	3.6352E+05	8.5700E+02
1.4472E+01	1.5097E-01	1.6571E+01	3.3258E+05	8.5670E+02
1.4479E+01	1.7555E-01	1.9269E+01	3.8672E+05	8.5630E+02
1.4491E+01	1.3588E-01	1.4914E+01	2.9932E+05	8.5560E+02
1.4513E+01	1.7555E-01	1.9269E+01	3.8672E+05	8.5430E+02
1.4538E+01	2.0715E-01	2.2737E+01	4.5633E+05	8.5280E+02
1.4552E+01	1.8257E-01	2.0040E+01	4.0219E+05	8.5200E+02
1.4564E+01	2.1417E-01	2.3508E+01	4.7180E+05	8.5130E+02
1.4592E+01	1.3869E-01	1.5222E+01	3.0551E+05	8.4970E+02
1.4607E+01	1.3939E-01	1.5299E+01	3.0705E+05	8.4880E+02
1.4612E+01	1.4044E-01	1.5415E+01	3.0938E+05	8.4850E+02
1.4638E+01	1.2289E-01	1.3488E+01	2.7070E+05	8.4700E+02
1.4680E+01	1.6502E-01	1.8113E+01	3.6352E+05	8.4460E+02

Table III. Oscillator-strength density, $\mathrm{d}f/\mathrm{d}E$, photoabsorption cross section, σ_{a}, and mass absorption coefficient, μ_{m}. (Continued)

Energy (eV)	f_n (eV^{-1})	σ_a (Mb)	μ_{m} ($\mathrm{cm}^2\ \mathrm{g}^{-1}$)	λ (Å)
1.4699E+01	2.1768E-01	2.3893E+01	4.7953E+05	8.4350E+02
1.4709E+01	2.2120E-01	2.4279E+01	4.8727E+05	8.4290E+02
1.4716E+01	1.7906E-01	1.9654E+01	3.9445E+05	8.4250E+02
1.4725E+01	1.3798E-01	1.5145E+01	3.0396E+05	8.4200E+02
1.4734E+01	1.2008E-01	1.3180E+01	2.6452E+05	8.4150E+02
1.4751E+01	1.3693E-01	1.5030E+01	3.0164E+05	8.4050E+02
1.4760E+01	1.3412E-01	1.4721E+01	2.9545E+05	8.4000E+02
1.4765E+01	1.2886E-01	1.4143E+01	2.8385E+05	8.3970E+02
1.4772E+01	1.3131E-01	1.4413E+01	2.8927E+05	8.3930E+02
1.4786E+01	1.1411E-01	1.2525E+01	2.5137E+05	8.3850E+02
1.4802E+01	1.2956E-01	1.4220E+01	2.8540E+05	8.3760E+02
1.4808E+01	1.2780E-01	1.4028E+01	2.8153E+05	8.3730E+02
1.4832E+01	1.6502E-01	1.8113E+01	3.6352E+05	8.3590E+02
1.4838E+01	1.7204E-01	1.8883E+01	3.7898E+05	8.3560E+02
1.4845E+01	2.1066E-01	2.3123E+01	4.6406E+05	8.3520E+02
1.4856E+01	1.9311E-01	2.1196E+01	4.2539E+05	8.3460E+02
1.4861E+01	1.9662E-01	2.1581E+01	4.3313E+05	8.3430E+02
1.4866E+01	1.6151E-01	1.7727E+01	3.5578E+05	8.3400E+02
1.4872E+01	1.7204E-01	1.8883E+01	3.7898E+05	8.3370E+02
1.4880E+01	1.9662E-01	2.1581E+01	4.3313E+05	8.3320E+02
1.4888E+01	1.5097E-01	1.6571E+01	3.3258E+05	8.3280E+02
1.4893E+01	1.2359E-01	1.3565E+01	2.7225E+05	8.3250E+02
1.4909E+01	1.1516E-01	1.2640E+01	2.5369E+05	8.3160E+02
1.4918E+01	1.2464E-01	1.3681E+01	2.7457E+05	8.3110E+02
1.4929E+01	1.0287E-01	1.1291E+01	2.2662E+05	8.3050E+02
1.4949E+01	1.3237E-01	1.4529E+01	2.9159E+05	8.2940E+02
1.4954E+01	1.2254E-01	1.3450E+01	2.6993E+05	8.2910E+02
1.4961E+01	1.2394E-01	1.3604E+01	2.7302E+05	8.2870E+02
1.4972E+01	1.4044E-01	1.5415E+01	3.0938E+05	8.2810E+02
1.4978E+01	1.4220E-01	1.5608E+01	3.1324E+05	8.2780E+02
1.4988E+01	1.5097E-01	1.6571E+01	3.3258E+05	8.2720E+02
1.4994E+01	1.5097E-01	1.6571E+01	3.3258E+05	8.2690E+02
1.4999E+01	1.5800E-01	1.7342E+01	3.4805E+05	8.2660E+02
1.5007E+01	1.6502E-01	1.8113E+01	3.6352E+05	8.2620E+02
1.5017E+01	1.2218E-01	1.3411E+01	2.6916E+05	8.2560E+02
1.5023E+01	1.1762E-01	1.2910E+01	2.5910E+05	8.2530E+02

Table III. Oscillator-strength density, $\mathrm{d}f/\mathrm{d}E$, photoabsorption cross section, σ_{a}, and mass absorption coefficient, μ_{m}. (Continued)

Energy (eV)	f_n (eV^{-1})	σ_a (Mb)	μ_{m} (cm^2 g^{-1})	λ (Å)
1.5030E+01	1.1095E-01	1.2178E+01	2.4441E+05	8.2490E+02
1.5037E+01	1.2324E-01	1.3527E+01	2.7148E+05	8.2450E+02
1.5047E+01	1.1270E-01	1.2371E+01	2.4827E+05	8.2400E+02
1.5052E+01	1.1516E-01	1.2640E+01	2.5369E+05	8.2370E+02
1.5065E+01	7.4434E-02	8.1700E+00	1.6397E+05	8.2300E+02
1.5074E+01	7.5136E-02	8.2470E+00	1.6552E+05	8.2250E+02
1.5091E+01	1.4009E-01	1.5376E+01	3.0860E+05	8.2160E+02
1.5098E+01	1.3447E-01	1.4760E+01	2.9623E+05	8.2120E+02
1.5103E+01	1.5097E-01	1.6571E+01	3.3258E+05	8.2090E+02
1.5111E+01	1.4044E-01	1.5415E+01	3.0938E+05	8.2050E+02
1.5116E+01	1.4395E-01	1.5800E+01	3.1711E+05	8.2020E+02
1.5122E+01	1.4395E-01	1.5800E+01	3.1711E+05	8.1990E+02
1.5129E+01	1.6151E-01	1.7727E+01	3.5578E+05	8.1950E+02
1.5142E+01	1.1200E-01	1.2293E+01	2.4673E+05	8.1880E+02
1.5148E+01	1.0463E-01	1.1484E+01	2.3048E+05	8.1850E+02
1.5153E+01	1.0849E-01	1.1908E+01	2.3899E+05	8.1820E+02
1.5159E+01	9.3394E-02	1.0251E+01	2.0573E+05	8.1790E+02
1.5164E+01	8.9883E-02	9.8656E+00	1.9800E+05	8.1760E+02
1.5170E+01	1.0393E-01	1.1407E+01	2.2894E+05	8.1730E+02
1.5179E+01	1.0638E-01	1.1677E+01	2.3435E+05	8.1680E+02
1.5185E+01	1.0709E-01	1.1754E+01	2.3590E+05	8.1650E+02
1.5190E+01	1.0814E-01	1.1870E+01	2.3822E+05	8.1620E+02
1.5198E+01	8.8127E-02	9.6729E+00	1.9413E+05	8.1580E+02
1.5203E+01	8.9180E-02	9.7885E+00	1.9645E+05	8.1550E+02
1.5213E+01	7.4785E-02	8.2085E+00	1.6474E+05	8.1500E+02
1.5222E+01	7.5838E-02	8.3241E+00	1.6706E+05	8.1450E+02
1.5241E+01	1.4395E-01	1.5800E+01	3.1711E+05	8.1350E+02
1.5246E+01	1.4395E-01	1.5800E+01	3.1711E+05	8.1320E+02
1.5256E+01	2.2822E-01	2.5049E+01	5.0273E+05	8.1270E+02
1.5265E+01	1.6502E-01	1.8113E+01	3.6352E+05	8.1220E+02
1.5295E+01	9.5851E-01	1.0521E+02	2.1115E+06	8.1060E+02
1.5312E+01	6.0741E-01	6.6670E+01	1.3380E+06	8.0970E+02
1.5318E+01	6.7412E-01	7.3992E+01	1.4850E+06	8.0940E+02
1.5326E+01	3.3355E-01	3.6611E+01	7.3477E+05	8.0900E+02
1.5339E+01	1.7555E-01	1.9269E+01	3.8672E+05	8.0830E+02
1.5348E+01	2.2120E-01	2.4279E+01	4.8727E+05	8.0780E+02

Table III. Oscillator-strength density, $\mathrm{d}f/\mathrm{d}E$, photoabsorption cross section, σ_{a}, and mass absorption coefficient, μ_{m}. (Continued)

Energy (eV)	f_n (eV^{-1})	σ_a (Mb)	μ_{m} (cm^2 g^{-1})	λ (Å)
1.5358E+01	1.7906E-01	1.9654E+01	3.9445E+05	8.0730E+02
1.5364E+01	1.8257E-01	2.0040E+01	4.0219E+05	8.0700E+02
1.5373E+01	1.4395E-01	1.5800E+01	3.1711E+05	8.0650E+02
1.5383E+01	1.2078E-01	1.3257E+01	2.6606E+05	8.0600E+02
1.5394E+01	1.7906E-01	1.9654E+01	3.9445E+05	8.0540E+02
1.5400E+01	1.6502E-01	1.8113E+01	3.6352E+05	8.0510E+02
1.5406E+01	1.8609E-01	2.0425E+01	4.0992E+05	8.0480E+02
1.5413E+01	2.1417E-01	2.3508E+01	4.7180E+05	8.0440E+02
1.5419E+01	1.8257E-01	2.0040E+01	4.0219E+05	8.0410E+02
1.5427E+01	2.0364E-01	2.2352E+01	4.4859E+05	8.0370E+02
1.5446E+01	2.5631E-01	2.8132E+01	5.6461E+05	8.0270E+02
1.5457E+01	3.1950E-01	3.5069E+01	7.0383E+05	8.0210E+02
1.5471E+01	2.4928E-01	2.7362E+01	5.4914E+05	8.0140E+02
1.5492E+01	3.2653E-01	3.5840E+01	7.1930E+05	8.0030E+02
1.5498E+01	3.0897E-01	3.3913E+01	6.8063E+05	8.0000E+02
1.5504E+01	3.5813E-01	3.9308E+01	7.8891E+05	7.9970E+02
1.5512E+01	2.0364E-01	2.2352E+01	4.4859E+05	7.9930E+02
1.5529E+01	1.9311E-01	2.1196E+01	4.2539E+05	7.9840E+02
1.5537E+01	1.6853E-01	1.8498E+01	3.7125E+05	7.9800E+02
1.5543E+01	1.6853E-01	1.8498E+01	3.7125E+05	7.9770E+02
1.5549E+01	1.6151E-01	1.7727E+01	3.5578E+05	7.9740E+02
1.5558E+01	1.8609E-01	2.0425E+01	4.0992E+05	7.9690E+02
1.5566E+01	1.6853E-01	1.8498E+01	3.7125E+05	7.9650E+02
1.5586E+01	1.8609E-01	2.0425E+01	4.0992E+05	7.9550E+02
1.5607E+01	1.5097E-01	1.6571E+01	3.3258E+05	7.9440E+02
1.5617E+01	1.4395E-01	1.5800E+01	3.1711E+05	7.9390E+02
1.5653E+01	3.1950E-01	3.5069E+01	7.0383E+05	7.9210E+02
1.5692E+01	1.6151E-01	1.7727E+01	3.5578E+05	7.9010E+02
1.5706E+01	1.6502E-01	1.8113E+01	3.6352E+05	7.8940E+02
1.5722E+01	1.2675E-01	1.3912E+01	2.7921E+05	7.8860E+02
1.5734E+01	1.3588E-01	1.4914E+01	2.9932E+05	7.8800E+02
1.5746E+01	1.7906E-01	1.9654E+01	3.9445E+05	7.8740E+02
1.5752E+01	1.5800E-01	1.7342E+01	3.4805E+05	7.8710E+02
1.5760E+01	1.5800E-01	1.7342E+01	3.4805E+05	7.8670E+02
1.5770E+01	1.4395E-01	1.5800E+01	3.1711E+05	7.8620E+02
1.5778E+01	1.6151E-01	1.7727E+01	3.5578E+05	7.8580E+02

Table III. Oscillator-strength density, $\mathrm{d}f/\mathrm{d}E$, photoabsorption cross section, σ_{a}, and mass absorption coefficient, μ_{m}. (Continued)

Energy (eV)	f_n (eV^{-1})	σ_a (Mb)	μ_{m} ($\mathrm{cm}^2\ \mathrm{g}^{-1}$)	λ (Å)
1.5792E+01	1.9662E-01	2.1581E+01	4.3313E+05	7.8510E+02
1.5808E+01	2.1417E-01	2.3508E+01	4.7180E+05	7.8430E+02
1.5822E+01	1.0217E+00	1.1214E+02	2.2507E+06	7.8360E+02
1.5847E+01	1.1025E-01	1.2101E+01	2.4286E+05	7.8240E+02
1.5857E+01	1.2008E-01	1.3180E+01	2.6452E+05	7.8190E+02
1.5865E+01	8.1807E-02	8.9792E+00	1.8021E+05	7.8150E+02
1.5871E+01	8.4616E-02	9.2875E+00	1.8640E+05	7.8120E+02
1.5881E+01	7.0572E-02	7.7460E+00	1.5546E+05	7.8070E+02
1.5891E+01	7.7945E-02	8.5553E+00	1.7170E+05	7.8020E+02
1.5904E+01	7.9350E-02	8.7095E+00	1.7480E+05	7.7960E+02
1.5951E+01	1.6853E-01	1.8498E+01	3.7125E+05	7.7730E+02
1.5959E+01	1.5097E-01	1.6571E+01	3.3258E+05	7.7690E+02
1.5965E+01	1.6151E-01	1.7727E+01	3.5578E+05	7.7660E+02
1.5977E+01	1.4746E-01	1.6186E+01	3.2484E+05	7.7600E+02
1.5984E+01	1.3904E-01	1.5261E+01	3.0628E+05	7.7570E+02
1.5994E+01	1.4395E-01	1.5800E+01	3.1711E+05	7.7520E+02
1.6006E+01	9.7256E-02	1.0675E+01	2.1424E+05	7.7460E+02
1.6019E+01	9.7607E-02	1.0713E+01	2.1502E+05	7.7400E+02
1.6027E+01	1.1622E-01	1.2756E+01	2.5601E+05	7.7360E+02
1.6033E+01	1.1938E-01	1.3103E+01	2.6297E+05	7.7330E+02
1.6039E+01	1.3693E-01	1.5030E+01	3.0164E+05	7.7300E+02
1.6046E+01	1.2464E-01	1.3681E+01	2.7457E+05	7.7270E+02
1.6052E+01	1.4746E-01	1.6186E+01	3.2484E+05	7.7240E+02
1.6058E+01	1.2499E-01	1.3719E+01	2.7534E+05	7.7210E+02
1.6075E+01	6.6359E-01	7.2836E+01	1.4618E+06	7.7130E+02
1.6089E+01	1.3834E-01	1.5184E+01	3.0473E+05	7.7060E+02
1.6098E+01	1.7555E-01	1.9269E+01	3.8672E+05	7.7020E+02
1.6119E+01	9.1287E-02	1.0020E+01	2.0109E+05	7.6920E+02
1.6129E+01	9.9714E-02	1.0945E+01	2.1966E+05	7.6870E+02
1.6135E+01	8.3914E-02	9.2105E+00	1.8485E+05	7.6840E+02
1.6152E+01	9.9011E-02	1.0868E+01	2.1811E+05	7.6760E+02
1.6159E+01	9.9714E-02	1.0945E+01	2.1966E+05	7.6730E+02
1.6167E+01	1.1235E-01	1.2332E+01	2.4750E+05	7.6690E+02
1.6173E+01	1.0884E-01	1.1947E+01	2.3977E+05	7.6660E+02
1.6180E+01	1.4746E-01	1.6186E+01	3.2484E+05	7.6630E+02
1.6186E+01	1.4044E-01	1.5415E+01	3.0938E+05	7.6600E+02

Table III. Oscillator-strength density, $\mathrm{d}f/\mathrm{d}E$, photoabsorption cross section, σ_{a}, and mass absorption coefficient, μ_{m}. (Continued)

Energy (eV)	f_n (eV^{-1})	σ_a (Mb)	μ_{m} ($\mathrm{cm}^2\ \mathrm{g}^{-1}$)	λ (Å)
1.6196E+01	1.7555E-01	1.9269E+01	3.8672E+05	7.6550E+02
1.6203E+01	1.4044E-01	1.5415E+01	3.0938E+05	7.6520E+02
1.6216E+01	4.0026E-01	4.3933E+01	8.8172E+05	7.6460E+02
1.6230E+01	1.3342E-01	1.4644E+01	2.9391E+05	7.6390E+02
1.6243E+01	1.2289E-01	1.3488E+01	2.7070E+05	7.6330E+02
1.6256E+01	1.2991E-01	1.4259E+01	2.8617E+05	7.6270E+02
1.6262E+01	1.2991E-01	1.4259E+01	2.8617E+05	7.6240E+02
1.6275E+01	1.1235E-01	1.2332E+01	2.4750E+05	7.6180E+02
1.6282E+01	1.3693E-01	1.5030E+01	3.0164E+05	7.6150E+02
1.6288E+01	1.1938E-01	1.3103E+01	2.6297E+05	7.6120E+02
1.6303E+01	3.0897E-01	3.3913E+01	6.8063E+05	7.6050E+02
1.6316E+01	1.2991E-01	1.4259E+01	2.8617E+05	7.5990E+02
1.6324E+01	1.3342E-01	1.4644E+01	2.9391E+05	7.5950E+02
1.6331E+01	1.1235E-01	1.2332E+01	2.4750E+05	7.5920E+02
1.6342E+01	1.2991E-01	1.4259E+01	2.8617E+05	7.5870E+02
1.6348E+01	1.3693E-01	1.5030E+01	3.0164E+05	7.5840E+02
1.6359E+01	2.4928E-01	2.7362E+01	5.4914E+05	7.5790E+02
1.6370E+01	1.2991E-01	1.4259E+01	2.8617E+05	7.5740E+02
1.6376E+01	1.3342E-01	1.4644E+01	2.9391E+05	7.5710E+02
1.6381E+01	1.3342E-01	1.4644E+01	2.9391E+05	7.5690E+02
1.6402E+01	2.4577E-01	2.6976E+01	5.4141E+05	7.5590E+02
1.6415E+01	1.3342E-01	1.4644E+01	2.9391E+05	7.5530E+02
1.6430E+01	1.7906E-01	1.9654E+01	3.9445E+05	7.5460E+02
1.6441E+01	1.1095E-01	1.2178E+01	2.4441E+05	7.5410E+02
1.6454E+01	1.6853E-01	1.8498E+01	3.7125E+05	7.5350E+02
1.6461E+01	1.5800E-01	1.7342E+01	3.4805E+05	7.5320E+02
1.6470E+01	1.7906E-01	1.9654E+01	3.9445E+05	7.5280E+02
1.6481E+01	1.8257E-01	2.0040E+01	4.0219E+05	7.5230E+02
1.6489E+01	1.4395E-01	1.5800E+01	3.1711E+05	7.5190E+02
1.6507E+01	1.9662E-01	2.1581E+01	4.3313E+05	7.5110E+02
1.6514E+01	1.9311E-01	2.1196E+01	4.2539E+05	7.5080E+02
1.6520E+01	2.0364E-01	2.2352E+01	4.4859E+05	7.5050E+02
1.6531E+01	1.4746E-01	1.6186E+01	3.2484E+05	7.5000E+02
1.6538E+01	1.5449E-01	1.6957E+01	3.4031E+05	7.4970E+02
1.6544E+01	1.6151E-01	1.7727E+01	3.5578E+05	7.4940E+02
1.6553E+01	1.8960E-01	2.0810E+01	4.1766E+05	7.4900E+02

Table III. Oscillator-strength density, $\mathrm{d}f/\mathrm{d}E$, photoabsorption cross section, σ_{a}, and mass absorption coefficient, μ_{m}. (Continued)

Energy (eV)	f_n (eV^{-1})	σ_a (Mb)	μ_{m} ($\mathrm{cm}^2\ \mathrm{g}^{-1}$)	λ (Å)
1.6562E+01	1.5800E-01	1.7342E+01	3.4805E+05	7.4860E+02
1.6573E+01	1.6853E-01	1.8498E+01	3.7125E+05	7.4810E+02
1.6580E+01	1.3518E-01	1.4837E+01	2.9777E+05	7.4780E+02
1.6587E+01	1.3693E-01	1.5030E+01	3.0164E+05	7.4750E+02
1.6598E+01	1.4044E-01	1.5415E+01	3.0938E+05	7.4700E+02
1.6618E+01	1.8609E-01	2.0425E+01	4.0992E+05	7.4610E+02
1.6624E+01	1.9311E-01	2.1196E+01	4.2539E+05	7.4580E+02
1.6638E+01	2.4226E-01	2.6591E+01	5.3367E+05	7.4520E+02
1.6649E+01	2.0715E-01	2.2737E+01	4.5633E+05	7.4470E+02
1.6656E+01	2.1417E-01	2.3508E+01	4.7180E+05	7.4440E+02
1.6671E+01	1.5449E-01	1.6957E+01	3.4031E+05	7.4370E+02
1.6682E+01	1.6502E-01	1.8113E+01	3.6352E+05	7.4320E+02
1.6689E+01	1.5800E-01	1.7342E+01	3.4805E+05	7.4290E+02
1.6712E+01	1.7555E-01	1.9269E+01	3.8672E+05	7.4190E+02
1.6725E+01	1.5449E-01	1.6957E+01	3.4031E+05	7.4130E+02
1.6732E+01	1.3342E-01	1.4644E+01	2.9391E+05	7.4100E+02
1.6748E+01	1.3693E-01	1.5030E+01	3.0164E+05	7.4030E+02
1.6786E+01	2.5631E-01	2.8132E+01	5.6461E+05	7.3860E+02
1.6802E+01	2.3875E-01	2.6206E+01	5.2594E+05	7.3790E+02
1.6814E+01	1.6853E-01	1.8498E+01	3.7125E+05	7.3740E+02
1.6827E+01	1.5449E-01	1.6957E+01	3.4031E+05	7.3680E+02
1.6837E+01	1.5800E-01	1.7342E+01	3.4805E+05	7.3640E+02
1.6848E+01	1.7906E-01	1.9654E+01	3.9445E+05	7.3590E+02
1.6862E+01	1.7204E-01	1.8883E+01	3.7898E+05	7.3530E+02
1.6873E+01	1.4746E-01	1.6186E+01	3.2484E+05	7.3480E+02
1.6880E+01	1.4395E-01	1.5800E+01	3.1711E+05	7.3450E+02
1.6889E+01	1.5097E-01	1.6571E+01	3.3258E+05	7.3410E+02
1.6928E+01	2.4226E-01	2.6591E+01	5.3367E+05	7.3240E+02
1.6935E+01	2.4226E-01	2.6591E+01	5.3367E+05	7.3210E+02
1.6945E+01	2.5982E-01	2.8518E+01	5.7234E+05	7.3170E+02
1.6954E+01	2.1066E-01	2.3123E+01	4.6406E+05	7.3130E+02
1.6968E+01	2.0715E-01	2.2737E+01	4.5633E+05	7.3070E+02
1.6986E+01	2.7386E-01	3.0059E+01	6.0328E+05	7.2990E+02
1.6996E+01	2.8791E-01	3.1601E+01	6.3422E+05	7.2950E+02
1.7005E+01	3.1950E-01	3.5069E+01	7.0383E+05	7.2910E+02
1.7028E+01	1.8257E-01	2.0040E+01	4.0219E+05	7.2810E+02

Table III. Oscillator-strength density, $\mathrm{d}f/\mathrm{d}E$, photoabsorption cross section, σ_{a}, and mass absorption coefficient, μ_{m}. (Continued)

Energy (eV)	f_n (eV^{-1})	σ_a (Mb)	μ_{m} ($\mathrm{cm}^2\ \mathrm{g}^{-1}$)	λ (Å)
1.7038E+01	2.1066E-01	2.3123E+01	4.6406E+05	7.2770E+02
1.7045E+01	2.1066E-01	2.3123E+01	4.6406E+05	7.2740E+02
1.7066E+01	2.7035E-01	2.9674E+01	5.9555E+05	7.2650E+02
1.7078E+01	2.5631E-01	2.8132E+01	5.6461E+05	7.2600E+02
1.7087E+01	2.5280E-01	2.7747E+01	5.5688E+05	7.2560E+02
1.7094E+01	2.2822E-01	2.5049E+01	5.0273E+05	7.2530E+02
1.7115E+01	2.2120E-01	2.4279E+01	4.8727E+05	7.2440E+02
1.7125E+01	2.1768E-01	2.3893E+01	4.7953E+05	7.2400E+02
1.7132E+01	2.0715E-01	2.2737E+01	4.5633E+05	7.2370E+02
1.7139E+01	1.7555E-01	1.9269E+01	3.8672E+05	7.2340E+02
1.7146E+01	1.6853E-01	1.8498E+01	3.7125E+05	7.2310E+02
1.7160E+01	1.5449E-01	1.6957E+01	3.4031E+05	7.2250E+02
1.7172E+01	1.7204E-01	1.8883E+01	3.7898E+05	7.2200E+02
1.7177E+01	1.6853E-01	1.8498E+01	3.7125E+05	7.2180E+02
1.7213E+01	2.3524E-01	2.5820E+01	5.1820E+05	7.2030E+02
1.7225E+01	2.0715E-01	2.2737E+01	4.5633E+05	7.1980E+02
1.7237E+01	2.1768E-01	2.3893E+01	4.7953E+05	7.1930E+02
1.7246E+01	2.1417E-01	2.3508E+01	4.7180E+05	7.1890E+02
1.7256E+01	1.8257E-01	2.0040E+01	4.0219E+05	7.1850E+02
1.7266E+01	2.1066E-01	2.3123E+01	4.6406E+05	7.1810E+02
1.7280E+01	1.9662E-01	2.1581E+01	4.3313E+05	7.1750E+02
1.7299E+01	1.4746E-01	1.6186E+01	3.2484E+05	7.1670E+02
1.7355E+01	2.0715E-01	2.2737E+01	4.5633E+05	7.1440E+02
1.7370E+01	1.9311E-01	2.1196E+01	4.2539E+05	7.1380E+02
1.7389E+01	2.0013E-01	2.1966E+01	4.4086E+05	7.1300E+02
1.7404E+01	1.8257E-01	2.0040E+01	4.0219E+05	7.1240E+02
1.7416E+01	1.9311E-01	2.1196E+01	4.2539E+05	7.1190E+02
1.7448E+01	1.5449E-01	1.6957E+01	3.4031E+05	7.1060E+02
1.7485E+01	2.1417E-01	2.3508E+01	4.7180E+05	7.0910E+02
1.7500E+01	1.9311E-01	2.1196E+01	4.2539E+05	7.0850E+02
1.7507E+01	2.0364E-01	2.2352E+01	4.4859E+05	7.0820E+02
1.7514E+01	1.8609E-01	2.0425E+01	4.0992E+05	7.0790E+02
1.7561E+01	2.5982E-01	2.8518E+01	5.7234E+05	7.0600E+02
1.7596E+01	1.8257E-01	2.0040E+01	4.0219E+05	7.0460E+02
1.7624E+01	2.0364E-01	2.2352E+01	4.4859E+05	7.0350E+02
1.7659E+01	1.7906E-01	1.9654E+01	3.9445E+05	7.0210E+02

Table III. Oscillator-strength density, $\mathrm{d}f/\mathrm{d}E$, photoabsorption cross section, σ_{a}, and mass absorption coefficient, μ_{m}. (Continued)

Energy (eV)	f_n (eV^{-1})	σ_a (Mb)	μ_{m} ($\mathrm{cm}^2\ \mathrm{g}^{-1}$)	λ (Å)
1.7679E+01	1.7555E-01	1.9269E+01	3.8672E+05	7.0130E+02
1.7697E+01	1.8960E-01	2.0810E+01	4.1766E+05	7.0060E+02
1.7707E+01	1.8257E-01	2.0040E+01	4.0219E+05	7.0020E+02
1.7715E+01	1.8960E-01	2.0810E+01	4.1766E+05	6.9990E+02
1.7725E+01	1.7906E-01	1.9654E+01	3.9445E+05	6.9950E+02
1.7735E+01	1.7555E-01	1.9269E+01	3.8672E+05	6.9910E+02
1.7765E+01	2.1768E-01	2.3893E+01	4.7953E+05	6.9790E+02
1.7793E+01	2.0013E-01	2.1966E+01	4.4086E+05	6.9680E+02
1.7822E+01	2.7035E-01	2.9674E+01	5.9555E+05	6.9570E+02
1.7857E+01	1.7204E-01	1.8883E+01	3.7898E+05	6.9430E+02
1.7899E+01	2.0715E-01	2.2737E+01	4.5633E+05	6.9270E+02
1.7925E+01	1.8960E-01	2.0810E+01	4.1766E+05	6.9170E+02
1.7958E+01	2.2471E-01	2.4664E+01	4.9500E+05	6.9040E+02
1.8005E+01	1.7555E-01	1.9269E+01	3.8672E+05	6.8860E+02
1.8037E+01	2.2120E-01	2.4279E+01	4.8727E+05	6.8740E+02
1.8052E+01	2.1417E-01	2.3508E+01	4.7180E+05	6.8680E+02
1.8081E+01	1.6853E-01	1.8498E+01	3.7125E+05	6.8570E+02
1.8108E+01	1.8257E-01	2.0040E+01	4.0219E+05	6.8470E+02
1.8134E+01	1.6853E-01	1.8498E+01	3.7125E+05	6.8370E+02
1.8169E+01	1.9311E-01	2.1196E+01	4.2539E+05	6.8240E+02
1.8204E+01	1.7555E-01	1.9269E+01	3.8672E+05	6.8110E+02
1.8440E+01	1.7204E-01	1.8883E+01	3.7898E+05	6.7237E+02
1.8835E+01	1.9490E-01	2.1392E+01	4.2934E+05	6.5826E+02
1.8967E+01	2.0905E-01	2.2945E+01	4.6050E+05	6.5368E+02
1.9044E+01	2.1088E-01	2.3146E+01	4.6454E+05	6.5104E+02
1.9122E+01	2.3215E-01	2.5481E+01	5.1139E+05	6.4839E+02
1.9369E+01	2.0650E-01	2.2666E+01	4.5490E+05	6.4012E+02
1.9640E+01	2.1200E-01	2.3269E+01	4.6700E+05	6.3128E+02
1.9919E+01	2.1851E-01	2.3984E+01	4.8135E+05	6.2244E+02
2.0035E+01	2.3540E-01	2.5838E+01	5.1857E+05	6.1884E+02
2.0103E+01	2.3215E-01	2.5481E+01	5.1139E+05	6.1674E+02
2.0213E+01	2.5739E-01	2.8251E+01	5.6699E+05	6.1339E+02
2.0309E+01	2.2767E-01	2.4989E+01	5.0153E+05	6.1049E+02
2.0437E+01	2.3215E-01	2.5481E+01	5.1139E+05	6.0667E+02
2.0518E+01	2.3978E-01	2.6319E+01	5.2821E+05	6.0427E+02
2.0638E+01	2.3540E-01	2.5838E+01	5.1857E+05	6.0076E+02

Table III. Oscillator-strength density, $\mathrm{d}f/\mathrm{d}E$, photoabsorption cross section, σ_{a}, and mass absorption coefficient, μ_{m}. (Continued)

Energy (eV)	f_n (eV^{-1})	σ_a (Mb)	μ_{m} ($\mathrm{cm}^2\ \mathrm{g}^{-1}$)	λ (Å)
2.0805E+01	2.4161E-01	2.6520E+01	5.3224E+05	5.9593E+02
2.0894E+01	2.4782E-01	2.7201E+01	5.4592E+05	5.9340E+02
2.0930E+01	2.3469E-01	2.5760E+01	5.1700E+05	5.9238E+02
2.2500E+01	2.4376E-01	2.6756E+01	5.3698E+05	5.5104E+02
2.5000E+01	2.3652E-01	2.5961E+01	5.2103E+05	4.9594E+02
2.7500E+01	2.1766E-01	2.3890E+01	4.7947E+05	4.5085E+02
3.0000E+01	1.9631E-01	2.1547E+01	4.3244E+05	4.1328E+02
3.5000E+01	1.4948E-01	1.6407E+01	3.2929E+05	3.5424E+02
4.0000E+01	1.2962E-01	1.4227E+01	2.8553E+05	3.0996E+02
4.5000E+01	1.1476E-01	1.2596E+01	2.5280E+05	2.7552E+02
5.0000E+01	1.0011E-01	1.0988E+01	2.2053E+05	2.4797E+02
6.0000E+01	7.3310E-02	8.0466E+00	1.6149E+05	2.0664E+02
7.0000E+01	5.2488E-02	5.7611E+00	1.1562E+05	1.7712E+02
8.0000E+01	3.9587E-02	4.3451E+00	8.7204E+04	1.5498E+02
9.0000E+01	2.9198E-02	3.2048E+00	6.4319E+04	1.3776E+02
1.0000E+02	2.3638E-02	2.5945E+00	5.2070E+04	1.2398E+02
1.2500E+02	1.4805E-02	1.6250E+00	3.2614E+04	9.9187E+01
1.5000E+02	1.0598E-02	1.1633E+00	2.3346E+04	8.2656E+01
1.7500E+02	7.5631E-03	8.3013E-01	1.6661E+04	7.0848E+01
2.0000E+02	5.3703E-03	5.8945E-01	1.1830E+04	6.1992E+01
2.2500E+02	3.9088E-03	4.2904E-01	8.6107E+03	5.5104E+01
2.5000E+02	2.9346E-03	3.2210E-01	6.4645E+03	4.9594E+01
2.7500E+02	2.2709E-03	2.4925E-01	5.0024E+03	4.5085E+01
3.0000E+02	1.8062E-03	1.9825E-01	3.9789E+03	4.1328E+01
3.5000E+02	1.2244E-03	1.3439E-01	2.6972E+03	3.5424E+01
4.0000E+02	8.9194E-04	9.7900E-02	1.9648E+03	3.0996E+01
4.0500E+02	9.4183E-04	1.0338E-01	2.0747E+03	3.0613E+01
4.0586E+02	1.2527E-03	1.3750E-01	2.7596E+03	3.0549E+01
4.0633E+02	4.9377E-03	5.4197E-01	1.0877E+04	3.0513E+01
4.0695E+02	1.3259E-03	1.4553E-01	2.9207E+03	3.0467E+01
4.0742E+02	7.3060E-03	8.0192E-01	1.6094E+04	3.0432E+01
4.0801E+02	1.3442E-03	1.4754E-01	2.9610E+03	3.0388E+01
4.0875E+02	7.3792E-03	8.0994E-01	1.6255E+04	3.0333E+01
4.0922E+02	3.1089E-03	3.4124E-01	6.8486E+03	3.0298E+01
4.0934E+02	5.2395E-03	5.7509E-01	1.1542E+04	3.0289E+01
4.0949E+02	3.5387E-03	3.8841E-01	7.7953E+03	3.0278E+01

Table III. Oscillator-strength density, $\mathrm{d}f/\mathrm{d}E$, photoabsorption cross section, σ_{a}, and mass absorption coefficient, μ_{m}. (Continued)

Energy (eV)	f_n (eV^{-1})	σ_a (Mb)	μ_{m} (cm^2 g^{-1})	λ (Å)
4.0969E+02	5.1846E-03	5.6907E-01	1.1421E+04	3.0263E+01
4.0984E+02	3.7124E-03	4.0748E-01	8.1780E+03	3.0252E+01
4.1089E+02	7.1780E-03	7.8786E-01	1.5812E+04	3.0175E+01
4.1155E+02	9.1440E-03	1.0036E+00	2.0143E+04	3.0126E+01
4.1217E+02	1.0442E-02	1.1462E+00	2.3003E+04	3.0081E+01
4.1310E+02	1.1384E-02	1.2495E+00	2.5078E+04	3.0013E+01
4.1376E+02	1.1622E-02	1.2756E+00	2.5602E+04	2.9965E+01
4.1438E+02	1.1979E-02	1.3148E+00	2.6387E+04	2.9920E+01
4.1597E+02	1.0516E-02	1.1542E+00	2.3164E+04	2.9806E+01
4.1678E+02	9.9486E-03	1.0920E+00	2.1916E+04	2.9748E+01
4.1744E+02	8.5405E-03	9.3741E-01	1.8814E+04	2.9701E+01
4.1860E+02	7.8364E-03	8.6013E-01	1.7263E+04	2.9619E+01
4.1922E+02	7.4980E-03	8.2299E-01	1.6517E+04	2.9575E+01
4.2000E+02	7.2512E-03	7.9589E-01	1.5973E+04	2.9520E+01
4.2089E+02	7.1597E-03	7.8586E-01	1.5772E+04	2.9458E+01
4.2182E+02	6.9494E-03	7.6277E-01	1.5309E+04	2.9393E+01
4.2349E+02	6.9494E-03	7.6277E-01	1.5309E+04	2.9277E+01
4.2531E+02	6.9677E-03	7.6478E-01	1.5349E+04	2.9151E+01
4.2671E+02	7.0774E-03	7.7682E-01	1.5591E+04	2.9056E+01
4.2849E+02	6.8580E-03	7.5274E-01	1.5107E+04	2.8935E+01
4.3000E+02	6.5288E-03	7.1661E-01	1.4382E+04	2.8834E+01
4.3163E+02	6.2453E-03	6.8549E-01	1.3758E+04	2.8725E+01
4.3349E+02	6.0624E-03	6.6542E-01	1.3355E+04	2.8601E+01
4.3500E+02	5.9070E-03	6.4836E-01	1.3012E+04	2.8502E+01
4.5000E+02	5.5644E-03	6.1075E-01	1.2258E+04	2.7552E+01
5.0000E+02	4.4460E-03	4.8800E-01	9.7940E+03	2.4797E+01
5.3900E+02	3.5916E-03	3.9422E-01	7.9118E+03	2.3003E+01
5.3933E+02	3.9471E-03	4.3324E-01	8.6949E+03	2.2989E+01
5.3965E+02	3.6919E-03	4.0522E-01	8.1327E+03	2.2975E+01
5.4021E+02	4.1294E-03	4.5325E-01	9.0966E+03	2.2951E+01
5.4047E+02	4.9772E-03	5.4630E-01	1.0964E+04	2.2940E+01
5.4051E+02	4.5578E-03	5.0027E-01	1.0040E+04	2.2938E+01
5.4109E+02	3.7648E-03	4.1323E-01	8.2933E+03	2.2914E+01
5.4142E+02	4.2023E-03	4.6125E-01	9.2572E+03	2.2900E+01
5.4150E+02	5.1321E-03	5.6331E-01	1.1305E+04	2.2896E+01
5.4183E+02	4.9589E-03	5.4430E-01	1.0924E+04	2.2882E+01

Table III. Oscillator-strength density, $\mathrm{d}f/\mathrm{d}E$, photoabsorption cross section, σ_{a}, and mass absorption coefficient, μ_{m}. (Continued)

Energy (eV)	f_n (eV^{-1})	σ_a (Mb)	μ_{m} (cm^2 g^{-1})	λ (Å)
5.4190E+02	5.4876E-03	6.0233E-01	1.2089E+04	2.2880E+01
5.4212E+02	5.2962E-03	5.8132E-01	1.1667E+04	2.2870E+01
5.4242E+02	5.6882E-03	6.2434E-01	1.2530E+04	2.2858E+01
5.4316E+02	6.4813E-03	7.1139E-01	1.4277E+04	2.2826E+01
5.4382E+02	7.4658E-03	8.1945E-01	1.6446E+04	2.2799E+01
5.4426E+02	8.3773E-03	9.1950E-01	1.8454E+04	2.2780E+01
5.4467E+02	9.1157E-03	1.0005E+00	2.0081E+04	2.2763E+01
5.4500E+02	9.6809E-03	1.0626E+00	2.1326E+04	2.2749E+01
5.4552E+02	1.0292E-02	1.1296E+00	2.2671E+04	2.2728E+01
5.4600E+02	1.0684E-02	1.1726E+00	2.3535E+04	2.2708E+01
5.4670E+02	1.0802E-02	1.1856E+00	2.3796E+04	2.2679E+01
5.4740E+02	1.0410E-02	1.1426E+00	2.2932E+04	2.2650E+01
5.4780E+02	9.9999E-03	1.0976E+00	2.2029E+04	2.2633E+01
5.4832E+02	9.5441E-03	1.0476E+00	2.1024E+04	2.2612E+01
5.4895E+02	9.1157E-03	1.0005E+00	2.0081E+04	2.2586E+01
5.4946E+02	8.8058E-03	9.6653E-01	1.9398E+04	2.2565E+01
5.5000E+02	8.5141E-03	9.3451E-01	1.8755E+04	2.2543E+01
5.5094E+02	8.1950E-03	8.9949E-01	1.8053E+04	2.2504E+01
5.5201E+02	7.9215E-03	8.6948E-01	1.7450E+04	2.2460E+01
5.5311E+02	7.6845E-03	8.4346E-01	1.6928E+04	2.2416E+01
5.5418E+02	7.5843E-03	8.3246E-01	1.6707E+04	2.2373E+01
5.5532E+02	7.4840E-03	8.2145E-01	1.6486E+04	2.2327E+01
5.5654E+02	7.4840E-03	8.2145E-01	1.6486E+04	2.2278E+01
5.5798E+02	7.5478E-03	8.2845E-01	1.6627E+04	2.2220E+01
5.5879E+02	7.5843E-03	8.3246E-01	1.6707E+04	2.2188E+01
5.6000E+02	7.4840E-03	8.2145E-01	1.6486E+04	2.2140E+01
5.6141E+02	7.3472E-03	8.0644E-01	1.6185E+04	2.2084E+01
5.6274E+02	7.2652E-03	7.9744E-01	1.6004E+04	2.2032E+01
5.6388E+02	7.2470E-03	7.9543E-01	1.5964E+04	2.1988E+01
5.6500E+02	7.2287E-03	7.9343E-01	1.5924E+04	2.1944E+01
6.0000E+02	6.7028E-03	7.3570E-01	1.4765E+04	2.0664E+01
7.0000E+02	4.5643E-03	5.0099E-01	1.0055E+04	1.7712E+01
8.0000E+02	3.2520E-03	3.5694E-01	7.1637E+03	1.5498E+01
9.0000E+02	2.3985E-03	2.6326E-01	5.2836E+03	1.3776E+01
1.0000E+03	1.8188E-03	1.9964E-01	4.0067E+03	1.2398E+01
1.2500E+03	9.9934E-04	1.0969E-01	2.2014E+03	9.9187E+00

Table III. Oscillator-strength density, $\mathrm{d}f/\mathrm{d}E$, photoabsorption cross section, σ_{a}, and mass absorption coefficient, μ_{m}. (Continued)

Energy (eV)	f_n (eV^{-1})	σ_a (Mb)	μ_{m} ($\mathrm{cm}^2\ \mathrm{g}^{-1}$)	λ (Å)
1.5000E+03	6.0536E-04	6.6444E-02	1.3335E+03	8.2656E+00
1.7500E+03	3.9327E-04	4.3166E-02	8.6633E+02	7.0848E+00
2.0000E+03	2.6931E-04	2.9560E-02	5.9326E+02	6.1992E+00
2.2500E+03	1.9283E-04	2.1165E-02	4.2478E+02	5.5104E+00
2.5000E+03	1.4223E-04	1.5611E-02	3.1332E+02	4.9594E+00
2.7500E+03	1.0790E-04	1.1843E-02	2.3768E+02	4.5085E+00
3.0000E+03	8.3739E-05	9.1912E-03	1.8447E+02	4.1328E+00
3.5000E+03	5.3231E-05	5.8427E-03	1.1726E+02	3.5424E+00
4.0000E+03	3.5771E-05	3.9263E-03	7.8799E+01	3.0996E+00
4.5000E+03	2.5077E-05	2.7525E-03	5.5242E+01	2.7552E+00
5.0000E+03	1.8177E-05	1.9952E-03	4.0043E+01	2.4797E+00
6.0000E+03	1.0309E-05	1.1316E-03	2.2710E+01	2.0664E+00
7.0000E+03	6.3069E-06	6.9225E-04	1.3893E+01	1.7712E+00
8.0000E+03	4.0772E-06	4.4752E-04	8.9817E+00	1.5498E+00
9.0000E+03	2.7480E-06	3.0162E-04	6.0534E+00	1.3776E+00
1.0000E+04	2.0097E-06	2.2059E-04	4.4271E+00	1.2398E+00
1.2500E+04	9.8392E-07	1.0800E-04	2.1674E+00	9.9187E-01
1.5000E+04	5.4885E-07	6.0242E-05	1.2090E+00	8.2656E-01
1.7500E+04	3.3507E-07	3.6778E-05	7.3812E-01	7.0848E-01
2.0000E+04	2.1852E-07	2.3985E-05	4.8136E-01	6.1992E-01
2.2500E+04	1.4988E-07	1.6451E-05	3.3016E-01	5.5104E-01
2.5000E+04	1.0699E-07	1.1743E-05	2.3568E-01	4.9594E-01
2.7500E+04	7.8664E-08	8.6343E-06	1.7329E-01	4.5085E-01
3.0000E+04	5.9108E-08	6.4878E-06	1.3021E-01	4.1328E-01
3.5000E+04	3.5651E-08	3.9130E-06	7.8534E-02	3.5424E-01
4.0000E+04	2.3004E-08	2.5249E-06	5.0674E-02	3.0996E-01
4.5000E+04	1.5630E-08	1.7156E-06	3.4431E-02	2.7552E-01
5.0000E+04	1.1062E-08	1.2141E-06	2.4367E-02	2.4797E-01
6.0000E+04	6.0821E-09	6.6758E-07	1.3398E-02	2.0664E-01
7.0000E+04	3.6678E-09	4.0258E-07	8.0796E-03	1.7712E-01
8.0000E+04	2.3659E-09	2.5968E-07	5.2117E-03	1.5498E-01
9.0000E+04	1.6062E-09	1.7630E-07	3.5382E-03	1.3776E-01
1.0000E+05	1.1351E-09	1.2459E-07	2.5005E-03	1.2398E-01

When photon energy, E, is higher than 10^5 eV, the photoabsorption cross section of atoms, $\sigma_{\rm a}$, in Mb is given by

$$\sigma_{\rm a} \;=\; 680\,(Z-0.3)^6 \left(\frac{Ry}{E}\right)^4 \frac{\exp\left[-\,4\chi\,\arctan(\chi^{-1})\right]}{1-\exp\left(-\,2\pi\chi\right)}\;.$$

Here E is photon energy in eV and χ is given by

$$\chi \;=\; \sqrt{\frac{E_{\rm K}}{E-E_{\rm K}}}\;,$$

where $E_{\rm K} \;=\; 410.3$ and 543.3 eV for nitrogen and oxygen atoms, respectively.