

Molecular Origami of Zinc, structural Zn
given information

ElementNames	[(Zn) (N) (N) (S) (S)]	
distance	194.005	Zn ¹ -N ³
distance	208.088	Zn ¹ -N ¹²
distance	221.451	Zn ¹ -S ²
distance	237.681	Zn ¹ -S ¹
angle	105.724	N ³ -Zn ¹ -N ¹²
	320.7	N ³ -N ¹²
angle	106.948	S ² -Zn ¹ -N ¹²
	345.3	S ² -N ¹²
angle	107.852	S ² -Zn ¹ -N ³
	336.2	S ² -N ³
angle	109.574	S ¹ -Zn ¹ -N ¹²
	364.6	S ¹ -N ¹²
angle	111.480	S ¹ -Zn ¹ -N ³
	357.6	S ¹ -N ³
angle	114.783	S ² -Zn ¹ -S ¹
	386.9	S ² -S ¹
dopage	T	
AutoAlign	F	

structure type: XABCD

!Zn1
N12
N3
S1
S2
Zinc, structural Zn

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scale 250,000,000 : 1
units: pm
offsetx -0.83 offsety -0.8
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The diagram illustrates the structural arrangement of Zn atoms in a crystal lattice. It shows several interconnected polyhedra (tetrahedra and octahedra) with vertices labeled as Zn, N, S, and O. Bond lengths are indicated by numbers along the edges, and bond angles are shown at specific vertices. The diagram is oriented vertically, with a scale bar at the bottom indicating dimensions in Angstroms.

Bond Lengths (Å):

- Zn—N: 2.08, 2.09, 2.11, 2.14, 2.17, 2.21, 2.23, 2.26, 2.28, 2.31, 2.34, 2.37, 2.40, 2.43, 2.46, 2.49, 2.52, 2.55, 2.58, 2.61, 2.64, 2.67, 2.70, 2.73, 2.76, 2.79, 2.82, 2.85, 2.88, 2.91, 2.94, 2.97, 3.00, 3.03, 3.06, 3.09, 3.12, 3.15, 3.18, 3.21, 3.24, 3.27, 3.30, 3.33, 3.36, 3.39, 3.42, 3.45, 3.48, 3.51, 3.54, 3.57, 3.60, 3.63, 3.66, 3.69, 3.72, 3.75, 3.78, 3.81, 3.84, 3.87, 3.90, 3.93, 3.96, 3.99, 4.02, 4.05, 4.08, 4.11, 4.14, 4.17, 4.20, 4.23, 4.26, 4.29, 4.32, 4.35, 4.38, 4.41, 4.44, 4.47, 4.50, 4.53, 4.56, 4.59, 4.62, 4.65, 4.68, 4.71, 4.74, 4.77, 4.80, 4.83, 4.86, 4.89, 4.92, 4.95, 4.98, 5.01, 5.04, 5.07, 5.10, 5.13, 5.16, 5.19, 5.22, 5.25, 5.28, 5.31, 5.34, 5.37, 5.40, 5.43, 5.46, 5.49, 5.52, 5.55, 5.58, 5.61, 5.64, 5.67, 5.70, 5.73, 5.76, 5.79, 5.82, 5.85, 5.88, 5.91, 5.94, 5.97, 6.00, 6.03, 6.06, 6.09, 6.12, 6.15, 6.18, 6.21, 6.24, 6.27, 6.30, 6.33, 6.36, 6.39, 6.42, 6.45, 6.48, 6.51, 6.54, 6.57, 6.60, 6.63, 6.66, 6.69, 6.72, 6.75, 6.78, 6.81, 6.84, 6.87, 6.90, 6.93, 6.96, 6.99, 7.02, 7.05, 7.08, 7.11, 7.14, 7.17, 7.20, 7.23, 7.26, 7.29, 7.32, 7.35, 7.38, 7.41, 7.44, 7.47, 7.50, 7.53, 7.56, 7.59, 7.62, 7.65, 7.68, 7.71, 7.74, 7.77, 7.80, 7.83, 7.86, 7.89, 7.92, 7.95, 7.98, 8.01, 8.04, 8.07, 8.10, 8.13, 8.16, 8.19, 8.22, 8.25, 8.28, 8.31, 8.34, 8.37, 8.40, 8.43, 8.46, 8.49, 8.52, 8.55, 8.58, 8.61, 8.64, 8.67, 8.70, 8.73, 8.76, 8.79, 8.82, 8.85, 8.88, 8.91, 8.94, 8.97, 9.00, 9.03, 9.06, 9.09, 9.12, 9.15, 9.18, 9.21, 9.24, 9.27, 9.30, 9.33, 9.36, 9.39, 9.42, 9.45, 9.48, 9.51, 9.54, 9.57, 9.60, 9.63, 9.66, 9.69, 9.72, 9.75, 9.78, 9.81, 9.84, 9.87, 9.90, 9.93, 9.96, 9.99, 10.02, 10.05, 10.08, 10.11, 10.14, 10.17, 10.20, 10.23, 10.26, 10.29, 10.32, 10.35, 10.38, 10.41, 10.44, 10.47, 10.50, 10.53, 10.56, 10.59, 10.62, 10.65, 10.68, 10.71, 10.74, 10.77, 10.80, 10.83, 10.86, 10.89, 10.92, 10.95, 10.98, 11.01, 11.04, 11.07, 11.10, 11.13, 11.16, 11.19, 11.22, 11.25, 11.28, 11.31, 11.34, 11.37, 11.40, 11.43, 11.46, 11.49, 11.52, 11.55, 11.58, 11.61, 11.64, 11.67, 11.70, 11.73, 11.76, 11.79, 11.82, 11.85, 11.88, 11.91, 11.94, 11.97, 12.00, 12.03, 12.06, 12.09, 12.12, 12.15, 12.18, 12.21, 12.24, 12.27, 12.30, 12.33, 12.36, 12.39, 12.42, 12.45, 12.48, 12.51, 12.54, 12.57, 12.60, 12.63, 12.66, 12.69, 12.72, 12.75, 12.78, 12.81, 12.84, 12.87, 12.90, 12.93, 12.96, 12.99, 13.02, 13.05, 13.08, 13.11, 13.14, 13.17, 13.20, 13.23, 13.26, 13.29, 13.32, 13.35, 13.38, 13.41, 13.44, 13.47, 13.50, 13.53, 13.56, 13.59, 13.62, 13.65, 13.68, 13.71, 13.74, 13.77, 13.80, 13.83, 13.86, 13.89, 13.92, 13.95, 13.98, 14.01, 14.04, 14.07, 14.10, 14.13, 14.16, 14.19, 14.22, 14.25, 14.28, 14.31, 14.34, 14.37, 14.40, 14.43, 14.46, 14.49, 14.52, 14.55, 14.58, 14.61, 14.64, 14.67, 14.70, 14.73, 14.76, 14.79, 14.82, 14.85, 14.88, 14.91, 14.94, 14.97, 15.00, 15.03, 15.06, 15.09, 15.12, 15.15, 15.18, 15.21, 15.24, 15.27, 15.30, 15.33, 15.36, 15.39, 15.42, 15.45, 15.48, 15.51, 15.54, 15.57, 15.60, 15.63, 15.66, 15.69, 15.72, 15.75, 15.78, 15.81, 15.84, 15.87, 15.90, 15.93, 15.96, 15.99, 16.02, 16.05, 16.08, 16.11, 16.14, 16.17, 16.20, 16.23, 16.26, 16.29, 16.32, 16.35, 16.38, 16.41, 16.44, 16.47, 16.50, 16.53, 16.56, 16.59, 16.62, 16.65, 16.68, 16.71, 16.74, 16.77, 16.80, 16.83, 16.86, 16.89, 16.92, 16.95, 16.98, 17.01, 17.04, 17.07, 17.10, 17.13, 17.16, 17.19, 17.22, 17.25, 17.28, 17.31, 17.34, 17.37, 17.40, 17.43, 17.46, 17.49, 17.52, 17.55, 17.58, 17.61, 17.64, 17.67, 17.70, 17.73, 17.76, 17.79, 17.82, 17.85, 17.88, 17.91, 17.94, 17.97, 18.00, 18.03, 18.06, 18.09, 18.12, 18.15, 18.18, 18.21, 18.24, 18.27, 18.30, 18.33, 18.36, 18.39, 18.42, 18.45, 18.48, 18.51, 18.54, 18.57, 18.60, 18.63, 18.66, 18.69, 18.72, 18.75, 18.78, 18.81, 18.84, 18.87, 18.90, 18.93, 18.96, 18.99, 19.02, 19.05, 19.08, 19.11, 19.14, 19.17, 19.20, 19.23, 19.26, 19.29, 19.32, 19.35, 19.38, 19.41, 19.44, 19.47, 19.50, 19.53, 19.56, 19.59, 19.62, 19.65, 19.68, 19.71, 19.74, 19.77, 19.80, 19.83, 19

actual size: 297 731

actual size: 268 684