

Electronic Supplementary Information
for paper “Nonstoichiometry of nanocrystalline monoclinic silver sulfide”
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Supplementary table 2

Diffraction reflections of nanocrystalline monoclinic (space group $P2_1/c$) silver sulfide $Ag_{1.93}S$

d (Å)	2θ	I_{calc}	I_{obs}	hkl
3.96216	22.451	134	112	-1 0 2
3.57951	24.854	48	47	-1 1 1
3.47490	25.615	16	18	0 2 0
3.45004	25.803	76	89	1 0 0
3.44207	25.863	109	128	-1 1 2
3.39496	26.229	59	68	0 1 2
3.17291	28.101	9	9	0 2 1
3.09022	28.869	727	693	1 1 0
2.84222	31.450	1000	997	-1 1 3
2.67110	33.522	497	514	-1 2 1
2.61251	34.297	982	989	-1 2 2
2.59173	34.581	318	324	0 2 2
2.46618	36.401	340	351	1 1 1
2.44829	36.677	758	787	1 2 0
2.43011	36.961	140	143	0 1 3
2.38704	37.653	853	859	-1 0 4
2.31930	38.796	28	34	-1 2 3
2.25759	39.901	47	56	-1 1 4
2.22030	40.600	213	243	0 3 1
2.10105	43.015	55	68	1 2 1
2.08801	43.297	238	304	-2 0 2
2.07861	43.503	34	43	0 2 3
2.05653	43.995	56	69	1 0 2
2.01508	44.948	5	5	-2 1 3
1.99985	45.310	20	19	-1 3 2
1.99971	45.313	142	129	-2 1 2
1.99049	45.535	46	40	0 3 2
1.98108	45.763	10	9	2 0 -4
1.97200	45.986	170	147	1 1 2
1.96754	46.096	111	97	-1 2 4
1.94539	46.652	25	22	0 0 4
1.92325	47.221	4	4	1 3 0
1.90519	47.697	60	64	-2 1 4
1.87338	48.558	32	32	0 1 4
1.85880	48.964	41	39	-1 3 3
1.82074	50.057	2	2	-1 1 5
1.80075	50.652	21	19	-2 2 3
1.74064	52.532	2	2	1 3 1
1.73745	52.636	31	28	0 4 0
1.72782	52.952	4	4	0 3 3
1.72502	53.044	10	9	2 0 0
1.72103	53.177	118	115	-2 2 4
1.72066	53.189	11	10	-2 1 5

Supplementary table 2 (continued)

d (Å)	2θ	I_{calc}	I_{obs}	hkl
1.69748	53.974	15	13	0 2 4
1.69270	54.139	3	3	-2 2 1
1.65802	55.367	1	1	-1 2 5
1.61604	56.935	3	3	1 1 3
1.60415	57.396	2	2	-1 4 1
1.59118	57.908	6	7	-1 4 2
1.58645	58.097	4	4	0 4 2
1.58139	58.301	9	10	-2 2 5
1.55812	59.257	17	17	-2 3 3
1.55729	59.292	7	7	-2 0 6
1.55178	59.524	5	5	1 4 0
1.55098	59.557	30	30	-2 3 2
1.54511	59.807	3	3	2 2 0
1.54410	59.850	3	3	-1 0 6
1.53795	60.114	23	24	1 3 2
1.51961	60.916	1	1	-2 1 6
1.51870	60.956	4	5	0 1 5
1.51733	61.017	1	2	-1 4 3
1.50734	61.465	6	6	-1 1 6
1.50562	61.543	2	2	-2 3 4
1.48977	62.270	2	2	0 3 4
1.48653	62.421	6	7	-2 3 1
1.47499	62.965	3	4	2 1 1
1.46288	63.547	28	36	-1 3 5
1.45098	64.130	13	15	1 4 1
1.42111	65.645	6	7	-2 2 6
1.42036	65.684	3	3	0 2 5
1.41122	66.164	5	6	-3 0 4
1.40474	66.509	13	13	-1 4 4
1.38543	67.559	2	2	1 0 4
1.38441	67.616	2	2	2 2 1
1.36830	68.521	3	3	0 5 1
1.35844	69.089	2	2	-3 1 5
1.35019	69.572	2	2	1 3 3
1.34010	70.172	5	6	-2 4 3
1.33468	70.499	4	5	-2 1 7
1.32072	71.358	7	8	-3 0 6
1.31159	71.931	17	17	-1 5 2
1.30894	72.100	7	7	0 5 2
1.30882	72.108	17	16	-3 1 2
1.30751	72.191	3	3	-3 2 4
1.30625	72.272	6	6	-2 4 4
1.29750	72.837	13	12	-3 1 6
1.29586	72.944	3	3	0 4 4
1.29579	72.948	14	13	2 1 2
1.29242	73.170	6	5	-2 3 6
1.29218	73.185	1	1	-3 2 3

Supplementary table 2 (continued)

d (Å)	2θ	I_{calc}	I_{obs}	hkl
1.28926	73.378	1	1	1 5 0
1.28692	73.534	8	7	1 2 4
1.28484	73.672	11	10	-1 3 6
1.27805	74.129	1	1	-1 4 5
1.27492	74.342	7	7	0 1 6
1.26930	74.727	5	5	-1 5 3
1.23456	77.210	3	3	-3 2 6
1.22969	77.573	2	2	1 5 1
1.22414	77.990	9	9	2 4 0
1.19352	80.392	6	6	-2 0 8
1.17630	81.817	2	2	-2 1 8
1.17283	82.111	2	1	-2 3 7
1.15999	83.220	2	2	-2 5 3
1.15704	83.480	4	4	-2 5 2
1.15516	83.646	6	5	-3 3 2
1.15160	83.964	5	5	1 5 2
1.15001	84.106	3	2	3 0 0
1.14736	84.346	6	5	-3 3 6
1.14618	84.452	6	5	2 3 2
1.13476	85.503	3	3	-3 0 8
1.13165	85.794	3	3	0 3 6
1.12879	86.064	7	7	-2 2 8
1.12122	86.789	3	3	-1 0 8
1.10691	88.198	2	2	-1 1 8
1.09807	89.096	4	4	1 6 0
1.09541	89.370	5	5	-3 4 4
1.09178	89.747	5	5	3 2 0
1.08801	90.143	1	1	-3 3 7
1.08321	90.653	4	4	1 4 4
1.07870	91.139	4	5	-3 2 8
1.06705	92.422	3	3	-1 2 8
1.06099	93.108	1	1	-2 3 8