

Supplementary material

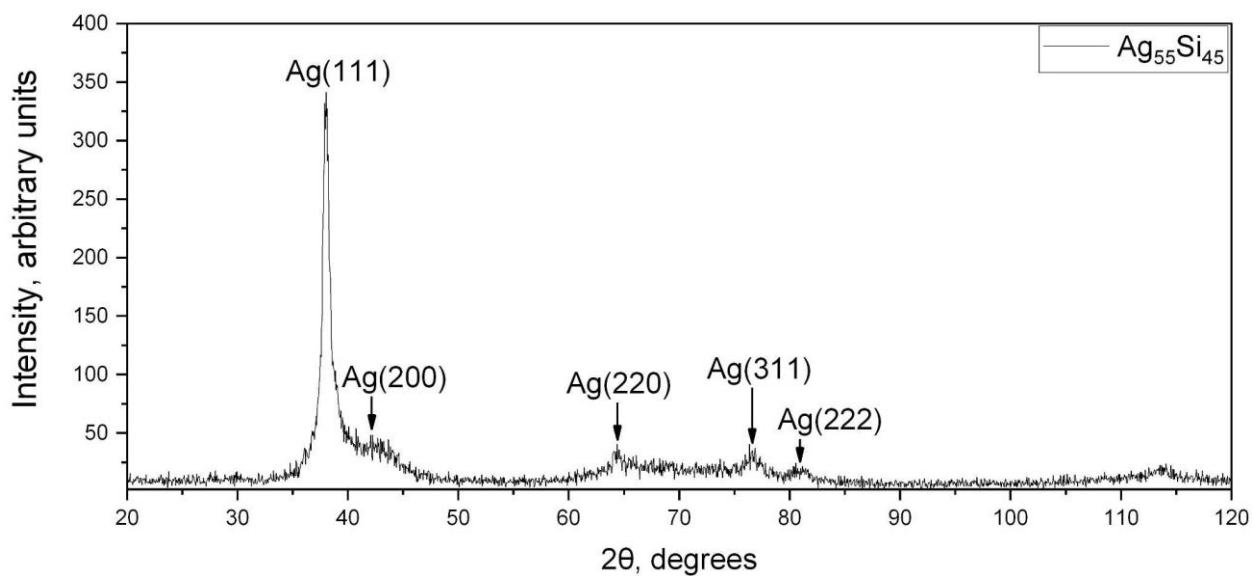


Fig. S1. Рентгеновская дифрактограмма пленки $\text{Ag}_{55}\text{Si}_{45}$

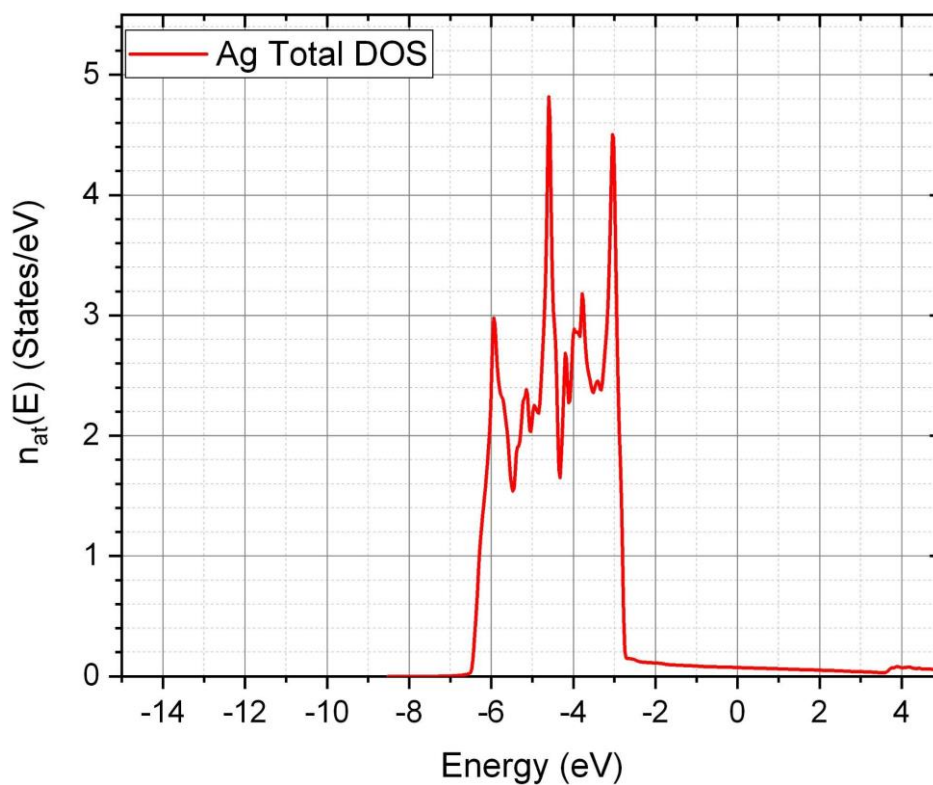


Fig. S2. Полная плотность состояний атомов Ag

Table TS1. Atom coordinates in AgSi₃ phase (*I4/mmm*, 139) [mp_978524 in Materials Project]

Phase	Site	Element	Wyckoff Symbol	X	Y	Z	Occupation
AgSi ₃	Ag	Ag	2 <i>a</i>	0	0	0	1
	Si ⁽¹⁾	Si	4 <i>d</i>	0	1/2	1/4	1
	Si ⁽²⁾	Si	2 <i>b</i>	1/2	1/2	0	1

Table TS2. Atom coordinates in Ag₂Si phase (*Cmcm*, 63) [sd_0450926 in Springer Materials]

Phase	Site	Element	Wyckoff Symbol	X	Y	Z	Occupation
Ag ₂ Si	Ag ⁽¹⁾	Ag	8 <i>g</i>	0.25	0.42	1/4	1
	Ag ⁽²⁾	Ag	4 <i>c</i>	0	0.17	1/4	1
	Ag ⁽³⁾	Ag	4 <i>a</i>	0	0	0	1
	Si	Si	8 <i>f</i>	0	0.33	0.56	1

Table TS3. Atom coordinates in Ag₃Si phase (*P-6m2*, 187) [mp_1219243 in Materials Project]

Phase	Site	Element	Wyckoff Symbol	X	Y	Z	Occupation
Ag ₃ Si	Ag ⁽¹⁾	Ag	2 <i>h</i>	1/3	2/3	0.74	1
	Ag ⁽²⁾	Ag	1 <i>a</i>	0	0	0	1
	Si	Si	1 <i>b</i>	0	0	1/2	1