

Supplementary Material

Rapid elemental composition analysis of intermetallic ternary nanoalloys using calibration-free quantitative Laser Induced Breakdown Spectroscopy (LIBS)

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Table S1. Atomic spectral database [17] for different Pt atomic emission lines used for plasma excitation temperature calculations at 4 μ s.

Species	Wavelength, λ_{ki} (nm)	Transition probability, A_{ki} (10^6 1/s)	Upper energy level, E_k (eV)	Lower energy level, E_i (eV)	g_k	g_i
Pt I	265.945	99	4.51086828	0	9	7
Pt I	283.02	24	4.23859836	0	7	7
Pt I	292.97	22.3	4.0946598	0	7	7
Pt I	306.47	67	3.91440216	0	5	7
Pt I	324.754	140	3.816692	0	4	2