Article

Synthesis and Characterization of Ni-Pt Alloy Thin Films Prepared by Supercritical Fluid Chemical Deposition Technique

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1. Thickness measurement for Ni-Pt alloy thin films

Table S1. Thickness measurement for Ni-Pt alloy thin films

Sample name	Thickness (nm)		
	T = 300 °C	**T = 315 °C**	**T = 330 °C**
Pt_{100}	259.26	291.66	320.27
$Ni_{20}Pt_{80}$	252.60	282.60	304.25
$Ni_{50}Pt_{50}$	234.28	250.55	259.26
$Ni_{80}Pt_{20}$	200.64	223.90	231.38
Ni_{100}	188.71	169.50	162.66

2. XRD patterns

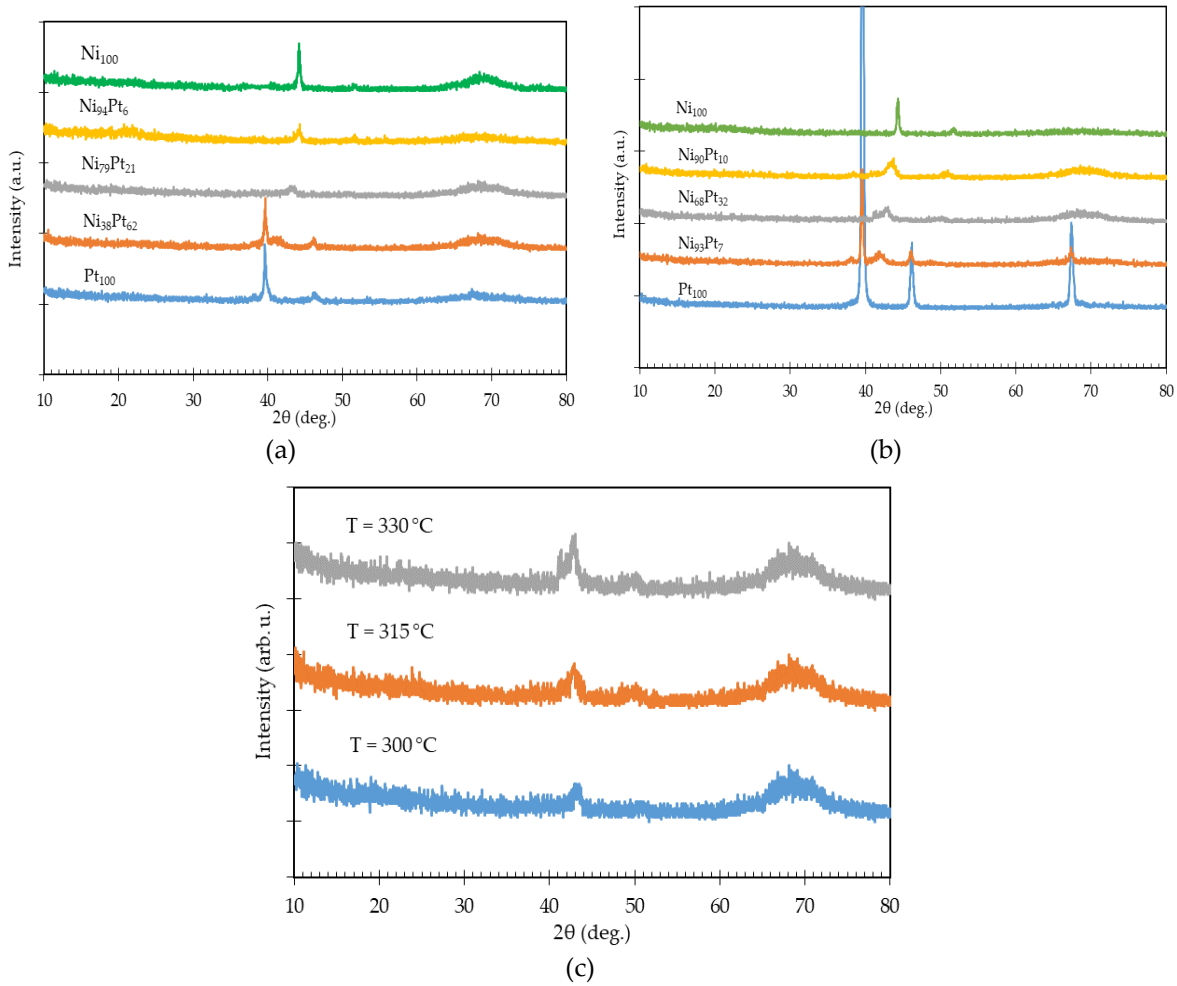
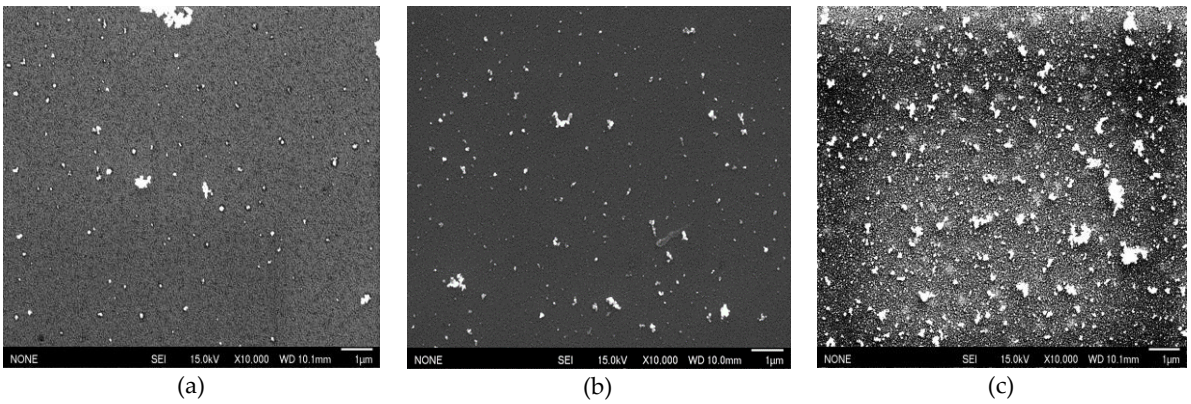


Figure S1. XRD patterns for deposited Ni-Pt alloy thin films at different elemental compositions: (**a**) T = 300 °C; (**b**) T = 330 °C; (**c**) Ni/Pt with precursor ratio of 50:50 (at.%) at different temperatures

3. SEM images



(a) (b) (c)

Figure S2. SEM images of deposited Ni-Pt alloy thin films at temperature of 300 °C: (**a**) $Ni_{94}Pt_6$; (**b**) $Ni_{79}Pt_{21}$; (**c**) $Ni_{38}Pt_{62}$