

Erratum to: Relation between ferromagnetic layer thickness (NiCu) and properties of NiCu/Cu multilayers

Hilal Kuru¹ · Hakan Kockar¹ · Mursel Alper² · Murside Hacıismailoglu²

Published online: 16 May 2015
© Springer Science+Business Media New York 2015

Erratum to: J Mater Sci: Mater Electron
DOI 10.1007/s10854-015-3015-2

The Table 1 was incorrect in the original publication and it has been corrected in this erratum.

The online version of the original article can be found under doi:[10.1007/s10854-015-3015-2](https://doi.org/10.1007/s10854-015-3015-2).

✉ Hilal Kuru
htopcu@balikesir.edu.tr
Hakan Kockar
hkockar@balikesir.edu.tr
Mursel Alper
malper@uludag.edu.tr
Murside Hacıismailoglu
msafak@uludag.edu.tr

¹ Physics Department, Science and Literature Faculty, Balikesir University, 10145 Cagis, Balikesir, Turkey

² Physics Department, Science and Literature Faculty, Uludag University, 16059 Gorukle, Bursa, Turkey

Table 1 Results of compositional and structural analysis of the NiCu/Cu multilayers

Samples	Compositional analysis by EDX		Calculated composition of NiCu layer		Structural analysis by XRD						
	Ni (at. %)	Cu (at. %)	Ni (at. %)	Cu (at. %)	Texture coefficients				Lattice parameter $a \pm \Delta a$ (nm)		Grain size (nm)
					M_{111}	M_{200}	M_{220}	M_{311}	Experimental	Theoretical ^a	
d.c plated Ni–Cu alloy	90	10	–	–	0.21	0.38	3.03	0.37	0.35254 ± 0.00021	0.35329	23
167[NiCu(2 nm)/ Cu(1 nm)]	15.3	84.7	60.2	39.8	0.31	0.52	2.62	0.54	0.36031 ± 0.00069	0.36010	28
71[(NiCu(6 nm)/ Cu(1 nm)]	59.9	40.1	85.6	14.4	0.65	0.56	2.23	0.39	0.35573 ± 0.00063	0.35604	25
56[NiCu(8 nm)/ Cu(1 nm)]	71.4	28.6	87.6	12.4	1.00	0.32	2.21	0.41	0.35442 ± 0.00030	0.35499	27

^a Vegard Law