

Article

Corrosion Products Formed on MgZr Alloy Embedded in Geopolymer Used as Conditioning Matrix for Nuclear Waste—A Proposition of Interconnected Processes

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Penetration depth of the X-ray beam at 27 keV at a function of the incident angles

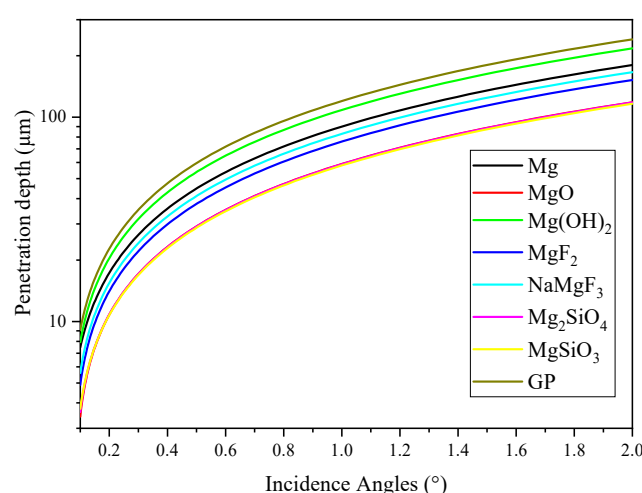


Figure S1. Penetration depth of the X-ray beam at 27 keV at a function of the incident angles.

XRD analyses of two MgZr samples: highlight of various crystallographic grain orientations

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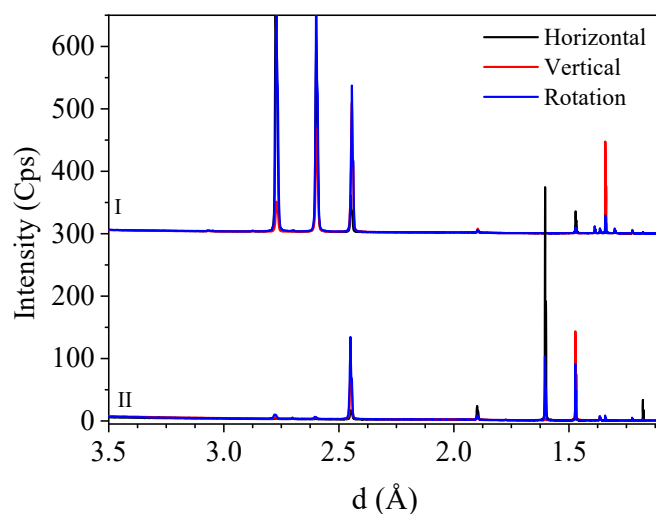


Figure S2. XRD patterns of two MgZr substrates analyzed in different position.

Table S1. Summary of the results obtained by statistical analysis of dataset from image analysis.

	GP	GP-NaF image (c)	GP-NaF image (d)	GP-NaF image (e)
N total	9874.00	4103	2352	2183
Mean (nm)	13.63	10.50	7.82	10.80
Standard Devia- tion (nm)	18.71	13.1	7.56	6.61
Lower 95% CI of Mean (nm)	13.26	10.10	8.09	10.52
Upper 95% CI of Mean (nm)	14.00	10.90	8.09	11.08
Variance	349.99	173.31	44.31	43.8
SD times 2	37.42	26.32	13.31	13.23
SD times 3	56.12	39.49	19.69	19.85
Minimum (nm)	1.22	1.63	1.62	2.58
1st Quartile (Q1) (nm)	2.82	2.81	3.63	5.78
Median (nm)	8.47	6.50	6.08	9.68
3rd Quartile (Q3) (nm)	17.84	13.11	10.01	14.41
Maximum (nm)	822.63	229.89	13.56	79.78

References of Supplementary Data

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2. Henke, B.L.; Gullikson, E.M.; Davis, J.C. X-ray interactions: Photoabsorption, scattering, transmission, and reflection at E = 50–30,000 eV, Z = 1–92. *At. Data Nucl. Data Tables* **1993**, *54*, 181–342, doi:10.1006/adnd.1993.1013.