

1 **Table S1 Log_x and C-Index of terrestrial rocks, minerals and artificial materials.**

Group	Class	N	Mean		PCA		
			C-Index	logX	a	b	Slope
Terrestrial	BIF	3	0.57	5.76	3.86	0.14	-0.02
	aluminum	1	6.00	6.00	-	-	-
	andesite	1	0.00	4.21	-	-	-
	basalt	18	1.03	3.90	3.42	2.05	0.23
	calcite	1	0.00	1.00	-	-	-
	coal	1	0.00	1.00	-	-	-
	gabbro	1	0.72	2.56	-	-	-
	gneiss	2	0.54	3.07	-	-	-
	granite	4	0.33	1.90	5.25	0.66	1.86
	granulite	1	0.00	2.94	-	-	-
	ignimbrite	4	0.80	2.28	2.85	0.48	0.57
	limestone	2	0.75	1.92	-	-	-
	marcassite	4	0.18	1.88	2.73	0.99	2.46
	microdiorite	1	0.00	4.21	-	-	-
	pyrite	1	0.00	1.00	-	-	-
	pyroxenite	1	0.72	2.57	-	-	-
	quartz	1	0.00	1.00	-	-	-
	rhyolite	1	1.70	2.34	-	-	-
	serpentinite	2	0.12	4.43	-	-	-
	steel	3	5.27	5.88	5.06	0.00	0.17
	tourmaline	1	0.00	2.51	-	-	-

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