lect Rows Thu Jul 26 18, 13:14:25
Data
'ata
Data instances: 1294
Features: 69 Meta attributes: 2
Condition: Coercivity is defined
Matching data
Data instances: 741
Features: 67
Meta attributes: 2
lon-matching data
Data instances: 553
Features: 60 Meta attributes: 2
ature Constructor Thu Jul 26 18, 13:14:39
Constructed features
LanCarraititu (ag/Carraititu) (ag/Carraititu) (agrantia)
LogCoercivity: log(Coercivity) (numeric) LogPermeability: log(Permeability) (numeric)
lect Columns Thu Jul 26 18, 13:14:44
lect Columns Thu Jul 26 18, 13:14:44 nput data
nput data Features: Total SiCAI, Total BP, Total GaGe, Total Late Transition, Total Early Transition, Relative to Fe SiCAI, Relative to Fe BP, Relative to Fe GaGe, Relative to Fe Early, Relative to Fe Late, Relative
nput data
Features: Total SiCAI, Total BP, Total GaGe, Total Late Transition, Total Early Transition, Relative to Fe SiCAI, Relative to Fe BP, Relative to Fe GaGe, Relative to Fe Early, Relative to Fe Late, Relative to Late Early, Relative to Late SiCAI, Relative to Late SiCAI, Relative to Late BP, Relative to Early GaGe, Relative to Late GaGe, Late Weighted Volume, Late Weighted Area, Late Weighted Mass, Late Mean Electrons, Early Weighted Volume, Early Weighted Area, Early Weighted Mass, Late Mean Electrons, Delta T1, Delta T2, Fe, Si, C, AI, B, P, Ga, Ge, C Ag, Au, Zn, Ti, V, Cr, Zr, Nb, Mo, Hf, Ta, W, Ce, U, Annealing temperature (K), Annealing Time (s), Primary Crystallization Onset (K), Primary Crystallization Peak (K), Secondary Crystallization Pea
Features: Total SiCAI, Total BP, Total GaGe, Total Late Transition, Total Early Transition, Relative to Fe SiCAI, Relative to Fe BP, Relative to Fe GaGe, Relative to Fe Early, Relative to Fe Late, Relative to Late Early, Relative to Late GaGe, Late Weighted Volume, Late Weighted Area, Early Weighted Mass, Early Mean Electrons, Delta T1, Delta T2, Fe, Si, C, AI, B, P, Ga, Ge, C Ag, Au, Zn, Ti, V, Cr, Zr, Nb, Mo, Hf, Ta, W, Ce, U, Annealing temperature (K), Annealing Time (s), Primary Crystallization Onset (K), Primary Crystallization Peak (K), Secondary Crystallization, Gr
Features: Total SiCAI, Total BP, Total GaGe, Total Late Transition, Total Early Transition, Relative to Fe SiCAI, Relative to Fe BP, Relative to Fe GaGe, Relative to Fe Early, Relative to Fe Late, Relative to Late Early, Relative to Late SiCAI, Relative to Late SiCAI, Relative to Late BP, Relative to Early GaGe, Relative to Late GaGe, Late Weighted Volume, Late Weighted Area, Late Weighted Mass, Late Mean Electrons, Early Weighted Volume, Early Weighted Area, Early Weighted Mass, Late Mean Electrons, Delta T1, Delta T2, Fe, Si, C, AI, B, P, Ga, Ge, C Ag, Au, Zn, Ti, V, Cr, Zr, Nb, Mo, Hf, Ta, W, Ce, U, Annealing temperature (K), Annealing Time (s), Primary Crystallization Onset (K), Primary Crystallization Peak (K), Secondary Crystallization Pea
Features: Total SiCAI, Total BP, Total GaGe, Total Late Transition, Total Early Transition, Relative to Fe SiCAI, Relative to Fe BP, Relative to Fe GaGe, Relative to Fe Early, Relative to Late Relative to Late Early, Relative to Early SiCAI, Relative to Late SiCAI, Relative to Late BP, Relative to Early GaGe, Relative to Late GaGe, Late Weighted Volume, Late Weighted Area, Late Weighted Mass, Late Mean Electrons, Early Weighted Volume, Early Weighted Area, Early Weighted Mass, Early Mean Electrons, Delta T0, Delta T1, Delta T2, Fe, Si, C, AI, B, P, Ga, Ge, C Ag, Au, Zn, Ti, V, Cr, Zr, Nb, Mo, Hf, Ta, W, Ce, U, Annealing temperature (K), Annealing Time (s), Primary Crystallization Onset (K), Primary Crystallization Peak (K), Secondary Crystallization Peak (K), Longitudinal Annealing field, Transverse Annealing field, Ribbon Thickness (um), Coercivity, Curie Temp, Core Loss, Electrical Resistivity, Permeability, Magnetostriction, Magnetic Saturation, Gr Diameter, (total: 69 features) Meta attributes: Composition ID, Reference DOI
Features: Total SiCAI, Total BP, Total GaGe, Total Late Transition, Total Early Transition, Relative to Fe SiCAI, Relative to Fe BP, Relative to Fe GaGe, Relative to Fe Early, Relative to Fe Late, Relative to Late Early, Relative to Early SiCAI, Relative to Late SiCAI, Relative to Early BP, Relative to Late BP, Relative to Late GaGe, Relative to Late GaGe, Late Weighted Volume, Late Weighted Area, Late Weighted Mass, Late Mean Electrons, Early Weighted Volume, Early Weighted Area, Early Weighted Mass, Early Mean Electrons, Delta T0, Delta T1, Delta T2, Fe, Si, C, AI, B, P, Ga, Ge, C Ag, Au, Zn, Ti, V, Cr, Zr, Nb, Mo, Hf, Ta, W, Ce, U, Annealing temperature (K), Annealing Time (s), Primary Crystallization Onset (K), Primary Crystallization Peak (K), Longitudinal Annealing field, Transverse Annealing field, Ribbon Thickness (um), Coercivity, Curie Temp, Core Loss, Electrical Resistivity, Permeability, Magnetostriction, Magnetic Saturation, Gr Diameter, (total: 69 features)
Features: Total SiCAI, Total BP, Total GaGe, Total Late Transition, Total Early Transition, Relative to Fe SiCAI, Relative to Fe BP, Relative to Fe GaGe, Relative to Fe Early, Relative to Late Relative to Late Early, Relative to Early SiCAI, Relative to Late SiCAI, Relative to Late BP, Relative to Early GaGe, Relative to Late GaGe, Late Weighted Volume, Late Weighted Area, Late Weighted Mass, Late Mean Electrons, Early Weighted Volume, Early Weighted Area, Early Weighted Mass, Early Mean Electrons, Delta T0, Delta T1, Delta T2, Fe, Si, C, AI, B, P, Ga, Ge, C Ag, Au, Zn, Ti, V, Cr, Zr, Nb, Mo, Hf, Ta, W, Ce, U, Annealing temperature (K), Annealing Time (s), Primary Crystallization Onset (K), Primary Crystallization Peak (K), Secondary Crystallization Peak (K), Longitudinal Annealing field, Transverse Annealing field, Ribbon Thickness (um), Coercivity, Curie Temp, Core Loss, Electrical Resistivity, Permeability, Magnetostriction, Magnetic Saturation, Gr Diameter, (total: 69 features) Meta attributes: Composition ID, Reference DOI
Features: Total SiCAI, Total BP, Total GaGe, Total Late Transition, Total Early Transition, Relative to Fe SiCAI, Relative to Fe BP, Relative to Fe GaGe, Relative to Fe Early, Relative to Fe Late, Relative to Late Early, Relative to Late SiCAI, Relative to Late SiCAI, Relative to Late BP, Relative to Early GaGe, Relative to Late GaGe, Late Weighted Volume, Late Weighted Area, Late Weighted Mass, Late Mean Electrons, Early Weighted Volume, Early Weighted Area, Early Weighted Mass, Early Mean Electrons, Delta T0, Delta T1, Delta T2, Fe, Si, C, AI, B, P, Ga, Ge, C Ag, Au, Zn, Ti, V, Cr, Zr, Nb, Mo, Hf, Ta, W, Ce, U, Annealing temperature (K), Annealing Time (s), Primary Crystallization Onset (K), Primary Crystallization Peak (K), Secondary Crystallization Peak (K), Longitudinal Annealing field, Transverse Annealing field, Ribbon Thickness (um), Coercivity, Curie Temp, Core Loss, Electrical Resistivity, Permeability, Magnetostriction, Magnetic Saturation, Gr Diameter, (total: 69 features) Meta attributes: Composition ID, Reference DOI Dutput data Features: Fe, Si, B, P, Ge, Cu, Au, Nb, Mo, Annealing temperature (K), Primary Crystallization Peak (K), Ribbon Thickness (um), Relative to Early SiCAI, Relative to Late SiCAI, Relative to Early B Relative to Late BP, Early Weighted Volume, Early Weighted Mass, Delta T1 (total: 19 features)
Features: Total SiCAI, Total BP, Total GaGe, Total Late Transition, Total Early Transition, Relative to Fe SiCAI, Relative to Fe BP, Relative to Fe GaGe, Relative to Fe Early, Relative to Late SiCAI, Relative to Late BP, Relative to Early GaGe, Relative to Late GaGe, Late Weighted Volume, Late Weighted Area, Late Weighted Mass, Late Mean Electrons, Early Weighted Volume, Early Weighted Area, Early Weighted Mass, Early Mean Electrons, Delta T1, Delta T2, Fe, Si, C, AI, B, P, Ga, Ge, C Ag, Au, Zn, Ti, V, Cr, Zr, Nb, Mo, Hf, Ta, W, Ce, U, Annealing temperature (K), Annealing Time (s), Primary Crystallization Onset (K), Primary Crystallization Peak (K), Secondary Crystallization Peak (K), Longitudinal Annealing field, Transverse Annealing field, Ribbon Thickness (um), Coercivity, Curie Temp, Core Loss, Electrical Resistivity, Permeability, Magnetostriction, Magnetic Saturation, Gr Diameter, (total: 69 features) Meta attributes: Composition ID, Reference DOI Dutput data Features: Fe, Si, B, P, Ge, Cu, Au, Nb, Mo, Annealing temperature (K), Primary Crystallization Peak (K), Ribbon Thickness (um), Relative to Early SiCAI, Relative to Late SiCAI, Relative to Early B
Features: Total SiCAI, Total BP, Total GaGe, Total Late Transition, Total Early Transition, Relative to Fe SiCAI, Relative to Fe BP, Relative to Fe GaGe, Relative to Fe Early, Relative to Fe Late, Relative to Late Early, Relative to Early SiCAI, Relative to Late SiCAI, Relative to Late BP, Relative to Early GaGe, Relative to Late GaGe, Late Weighted Volume, Late Weighted Area, Late Weighted Mass, Late Mean Electrons, Early Weighted Volume, Early Weighted Area, Early Weighted Mass, Early Mean Electrons, Delta T0, Delta T1, Delta T2, Fe, Si, C, AI, B, P, Ga, Ge, C Ag, Au, Zn, Ti, V, Cr, Zr, Nb, Mo, Hf, Ta, W, Ce, U, Annealing temperature (K), Annealing Time (s), Primary Crystallization Onset (K), Primary Crystallization Peak (K), Secondary Crystallization Peak (K), Longitudinal Annealing field, Transverse Annealing field, Ribbon Thickness (um), Coercivity, Curie Temp, Core Loss, Electrical Resistivity, Permeability, Magnetostriction, Magnetic Saturation, Gr Diameter, (total: 69 features) Meta attributes: Composition ID, Reference DOI Features: Fe, Si, B, P, Ge, Cu, Au, Nb, Mo, Annealing temperature (K), Primary Crystallization Peak (K), Ribbon Thickness (um), Relative to Early SiCAI, Relative to Late SiCAI, Relative to Early B Relative to Late BP, Early Weighted Volume, Early Weighted Mass, Delta T1 (total: 19 features) Meta attributes: Composition ID, Reference DOI
Features: Total SiCAI, Total BP, Total GaGe, Total Late Transition, Total Early Transition, Relative to Fe SiCAI, Relative to Fe BP, Relative to Fe GaGe, Relative to Fe Early, Relative to Fe Early, Relative to Early SiCAI, Relative to Late SiCAI, Relative to Early BP, Relative to Late BP, Relative to Early GaGe, Relative to Late GaGe, Late Weighted Volume, Late Weighted Area, Late Weighted Mass, Late Mean Electrons, Early Weighted Volume, Early Weighted Area, Early Weighted Mass, Early Mean Electrons, Delta T1, Delta T2, Fe, Si, C, AI, B, P, Ga, Ge, C Ag, Au, Zn, Ti, V, Cr, Zr, Nb, Mo, Hf, Ta, W, Ce, U, Annealing temperature (K), Annealing Time (s), Primary Crystallization Onset (K), Primary Crystallization Peak (K), Secondary Crystallization Peak (K), Longitudinal Annealing field, Transverse Annealing field, Ribbon Thickness (um), Coercivity, Curie Temp, Core Loss, Electrical Resistivity, Permeability, Magnetostriction, Magnetic Saturation, Gr Diameter, (total: 69 features) Meta attributes: Composition ID, Reference DOI Dutput data Features: Fe, Si, B, P, Ge, Cu, Au, Nb, Mo, Annealing temperature (K), Primary Crystallization Peak (K), Ribbon Thickness (um), Relative to Early SiCAI, Relative to Late SiCAI, Relative to Early B Relative to Late BP, Early Weighted Volume, Early Weighted Mass, Delta T1 (total: 19 features) Meta attributes: Composition ID, Reference DOI Target: LogCoercivity Removed: 49 (W, Ta, Relative to Late Early, Magnetostriction, LogPermeability, Coercivity, Zn, Grain Diameter, Electrical Resistivity, Late Weighted Volume, Relative to Fe GaGe, Total Early
Features: Total SiCAI, Total BP, Total GaGe, Total Late Transition, Total Early Transition, Relative to Fe SiCAI, Relative to Fe BP, Relative to Fe GaGe, Relative to Fe Early, Relative to Late SaCAI, Relative to Early BP, Relative to Late BP, Relative to Early GaGe, Relative to Late GaGe, Late Weighted Volume, Late Weighted Area, Late Weighted Mass, Late Mean Electrons, Early Weighted Volume, Early Weighted Area, Early Weighted Mass, Early Mean Electrons, Delta T0, Delta T1, Delta T2, Fe, Si, CAI, B, P, Ga, Ge, CAI, BA, P, Ga, Ge, CAI, GA, GA, CAI, T1, V, Cr, Z7, Nb, Mo, Hf, Ta, W, Ce, U, Annealing temperature (K), Annealing Time (s), Primary Crystallization Poset (K), Primary Crystallization Peak (K), Secondary Crystallization Peak (K), Congitudinal Annealing field, Transverse Annealing field, Ribbon Thickness (um), Coercivity, Curie Temp, Core Loss, Electrical Resistivity, Permeability, Magnetostriction, Magnetic Saturation, Gr Diameter, (total: 69 features) Meta attributes: Composition ID, Reference DOI Dutput data Features: Fe, Si, B, P, Ge, Cu, Au, Nb, Mo, Annealing temperature (K), Primary Crystallization Peak (K), Ribbon Thickness (um), Relative to Early SiCAI, Relative to Late SiCAI, Relative to Early B Relative to Late BP, Early Weighted Volume, Early Weighted Mass, Delta T1 (total: 19 features) Meta attributes: Composition ID, Reference DOI Target: LogCoercivity Removed: 49 (W, Ta, Relative to Late Early, Magnetostriction, LogPermeability, Coercivity, Zn, Grain Diameter, Electrical Resistivity, Late Weighted Volume, Relative to Fe GaGe, Total Early Transition, Relative to Fe BP, Delta T0, Total Late Transition, Late Weighted Area, Early Weighted Area, Relative to Fe Early, Relative to Early GaGe, Ag, Permeability, Relative to Fe SiCAI, Early Magnetostriction and the Carly SiCAI are and the Carly GaGe, Ag, Permeability, Relative to Fe SiCAI, Early Magnetostriction and the Carly SiCAI area of Ca
Features: Total SiCAI, Total BP, Total GaGe, Total Late Transition, Total Early Transition, Relative to Fe SiCAI, Relative to Fe BP, Relative to Fe GaGe, Relative to Fe Early, Relative to Fe Early, Relative to Early SiCAI, Relative to Late SiCAI, Relative to Early BP, Relative to Late BP, Relative to Early GaGe, Relative to Late GaGe, Late Weighted Volume, Late Weighted Area, Late Weighted Mass, Late Mean Electrons, Early Weighted Volume, Early Weighted Area, Early Weighted Mass, Early Mean Electrons, Delta T1, Delta T2, Fe, Si, C, AI, B, P, Ga, Ge, C Ag, Au, Zn, Ti, V, Cr, Zr, Nb, Mo, Hf, Ta, W, Ce, U, Annealing temperature (K), Annealing Time (s), Primary Crystallization Onset (K), Primary Crystallization Peak (K), Secondary Crystallization Peak (K), Longitudinal Annealing field, Transverse Annealing field, Ribbon Thickness (um), Coercivity, Curie Temp, Core Loss, Electrical Resistivity, Permeability, Magnetostriction, Magnetic Saturation, Gr Diameter, (total: 69 features) Meta attributes: Composition ID, Reference DOI Dutput data Features: Fe, Si, B, P, Ge, Cu, Au, Nb, Mo, Annealing temperature (K), Primary Crystallization Peak (K), Ribbon Thickness (um), Relative to Early SiCAI, Relative to Late SiCAI, Relative to Early B Relative to Late BP, Early Weighted Volume, Early Weighted Mass, Delta T1 (total: 19 features) Meta attributes: Composition ID, Reference DOI Target: LogCoercivity Removed: 49 (W, Ta, Relative to Late Early, Magnetostriction, LogPermeability, Coercivity, Zn, Grain Diameter, Electrical Resistivity, Late Weighted Volume, Relative to Fe GaGe, Total Early
Features: Total SiCAI, Total BP, Total GaGe, Total Late Transition, Total Early Transition, Relative to Fe SiCAI, Relative to Fe BP, Relative to Fe GaGe, Relative to Fe Early, Relative to Fe Early, Relative to Early SiCAI, Relative to Late SiCAI, Relative to Late BP, Relative to Early GaGe, Relative to Late GaGe, Late Weighted Volume, Late Weighted Area, Late Weighted Mass, Late Weighted Mass, Early Mean Electrons, Delta TD, Delta TJ, Delta TJ, Pets IS, C, AI, B, P, Ga, Ge, C Ag, Au, Zh, Ti, V, Cr, Zr, Nb, Mo, Hf, Ta, W, Ce, U, Annealing temperature (K), Annealing Time (s), Primary Crystallization Onset (K), Primary Crystallization Peak (K), Secondary Crystallization Peak (K), Longitudinal Annealing field, Transverse Annealing field, Ribbon Thickness (um), Coercivity, Curie Temp, Core Loss, Electrical Resistivity, Permeability, Magnetostriction, Magnetic Saturation, Gr Diameter, (total: 69 features) Meta attributes: Composition ID, Reference DOI Dutput data Features: Fe, Si, B, P, Ge, Cu, Au, Nb, Mo, Annealing temperature (K), Primary Crystallization Peak (K), Ribbon Thickness (um), Relative to Early SiCAI, Relative to Late SiCAI, Relative to Early B Relative to Late BP, Early Weighted Volume, Early Weighted Mass, Delta T1 (total: 19 features) Meta attributes: Composition ID, Reference DOI Target: LogCoercivity Removed: 49 (W, Ta, Relative to Late Early, Magnetostriction, LogPermeability, Coercivity, Zn, Grain Diameter, Electrical Resistivity, Late Weighted Volume, Relative to Fe GaGe, Total Early Transition, Relative to Fe BP, Delta T0, Total Late Transition, Late Weighted Area, Relative to Fe Early, Relative to Early GaGe, Ag, Permeability, Relative to Fe SiCAI, Early Me Electrons, Secondary Crystallization Peak (K), Relative to Fe Late, V, Late Mean Electrons, Hf, Late Weighted Mass, Delta T2, Annealing Time (s), Al, Magnetic Saturation, Ti, Longitudinal Annealing Time (s), Al, Magnetic Saturation, Ti, Longitudinal Annealing Time (s), Al, Magnetic Saturation, Ti, Longitudinal Annealing Time (s), Al
Features: Total SiCAI, Total BP, Total GaGe, Total Late Transition, Total Early Transition, Relative to Fe SiCAI, Relative to Fe BP, Relative to Fe GaGe, Relative to Fe Early, Relative to Fe Early, Relative to Early SiCAI, Relative to Late SiCAI, Relative to Late BP, Relative to Early GaGe, Relative to Late GaGe, Late Weighted Volume, Late Weighted Area, Late Weighted Mass, Late Weighted Mass, Early Mean Electrons, Delta TD, Delta TJ, Delta TJ, Pets IS, C, AI, B, P, Ga, Ge, C Ag, Au, Zh, Ti, V, Cr, Zr, Nb, Mo, Hf, Ta, W, Ce, U, Annealing temperature (K), Annealing Time (s), Primary Crystallization Onset (K), Primary Crystallization Peak (K), Secondary Crystallization Peak (K), Longitudinal Annealing field, Transverse Annealing field, Ribbon Thickness (um), Coercivity, Curie Temp, Core Loss, Electrical Resistivity, Permeability, Magnetostriction, Magnetic Saturation, Gr Diameter, (total: 69 features) Meta attributes: Composition ID, Reference DOI Dutput data Features: Fe, Si, B, P, Ge, Cu, Au, Nb, Mo, Annealing temperature (K), Primary Crystallization Peak (K), Ribbon Thickness (um), Relative to Early SiCAI, Relative to Late SiCAI, Relative to Early B Relative to Late BP, Early Weighted Volume, Early Weighted Mass, Delta T1 (total: 19 features) Meta attributes: Composition ID, Reference DOI Target: LogCoercivity Removed: 49 (W, Ta, Relative to Late Early, Magnetostriction, LogPermeability, Coercivity, Zn, Grain Diameter, Electrical Resistivity, Late Weighted Volume, Relative to Fe GaGe, Total Early Transition, Relative to Fe BP, Delta T0, Total Late Transition, Late Weighted Area, Relative to Fe Early, Relative to Early GaGe, Ag, Permeability, Relative to Fe SiCAI, Early Me Electrons, Secondary Crystallization Peak (K), Relative to Fe Late, V, Late Mean Electrons, Hf, Late Weighted Mass, Delta T2, Annealing Time (s), Al, Magnetic Saturation, Ti, Longitudinal Annealing Time (s), Al, Magnetic Saturation, Ti, Longitudinal Annealing Time (s), Al, Magnetic Saturation, Ti, Longitudinal Annealing Time (s), Al
Features: Total SiCAI, Total BP, Total GaGe, Total Late Transition, Total Early Transition, Relative to Fe SiCAI, Relative to Fe BP, Relative to Fe GaGe, Relative to Fe Early, Relative to Fe Early, Relative to Early SiCAI, Relative to Late SiCAI, Relative to Late BP, Relative to Early GaGe, Relative to Late GaGe, Late Weighted Volume, Late Weighted Area, Late Weighted Mass, Late Weighted Mass, Early Mean Electrons, Delta TD, Delta TJ, Delta TJ, Pets IS, C, AI, B, P, Ga, Ge, C Ag, Au, Zh, Ti, V, Cr, Zr, Nb, Mo, Hf, Ta, W, Ce, U, Annealing temperature (K), Annealing Time (s), Primary Crystallization Onset (K), Primary Crystallization Peak (K), Secondary Crystallization Peak (K), Longitudinal Annealing field, Transverse Annealing field, Ribbon Thickness (um), Coercivity, Curie Temp, Core Loss, Electrical Resistivity, Permeability, Magnetostriction, Magnetic Saturation, Gr Diameter, (total: 69 features) Meta attributes: Composition ID, Reference DOI Dutput data Features: Fe, Si, B, P, Ge, Cu, Au, Nb, Mo, Annealing temperature (K), Primary Crystallization Peak (K), Ribbon Thickness (um), Relative to Early SiCAI, Relative to Late SiCAI, Relative to Early B Relative to Late BP, Early Weighted Volume, Early Weighted Mass, Delta T1 (total: 19 features) Meta attributes: Composition ID, Reference DOI Target: LogCoercivity Removed: 49 (W, Ta, Relative to Late Early, Magnetostriction, LogPermeability, Coercivity, Zn, Grain Diameter, Electrical Resistivity, Late Weighted Volume, Relative to Fe GaGe, Total Early Transition, Relative to Fe BP, Delta T0, Total Late Transition, Late Weighted Area, Relative to Fe Early, Relative to Early GaGe, Ag, Permeability, Relative to Fe SiCAI, Early Me Electrons, Secondary Crystallization Peak (K), Relative to Fe Late, V, Late Mean Electrons, Hf, Late Weighted Mass, Delta T2, Annealing Time (s), Al, Magnetic Saturation, Ti, Longitudinal Annealing Time (s), Al, Magnetic Saturation, Ti, Longitudinal Annealing Time (s), Al, Magnetic Saturation, Ti, Longitudinal Annealing Time (s), Al
Features: Total SiCAI, Total BP, Total GaGe, Total Late Transition, Total Early Transition, Relative to Fe SiCAI, Relative to Fe BP, Relative to Fe GaGe, Relative to Fe Early, Relative to Fe Early, Relative to Early SiCAI, Relative to Late SiCAI, Relative to Late BP, Relative to Early GaGe, Relative to Late GaGe, Late Weighted Volume, Late Weighted Area, Late Weighted Mass, Late Weighted Mass, Early Mean Electrons, Delta TD, Delta TJ, Delta TJ, Pets IS, C, AI, B, P, Ga, Ge, C Ag, Au, Zh, Ti, V, Cr, Zr, Nb, Mo, Hf, Ta, W, Ce, U, Annealing temperature (K), Annealing Time (s), Primary Crystallization Onset (K), Primary Crystallization Peak (K), Secondary Crystallization Peak (K), Longitudinal Annealing field, Transverse Annealing field, Ribbon Thickness (um), Coercivity, Curie Temp, Core Loss, Electrical Resistivity, Permeability, Magnetostriction, Magnetic Saturation, Gr Diameter, (total: 69 features) Meta attributes: Composition ID, Reference DOI Dutput data Features: Fe, Si, B, P, Ge, Cu, Au, Nb, Mo, Annealing temperature (K), Primary Crystallization Peak (K), Ribbon Thickness (um), Relative to Early SiCAI, Relative to Late SiCAI, Relative to Early B Relative to Late BP, Early Weighted Volume, Early Weighted Mass, Delta T1 (total: 19 features) Meta attributes: Composition ID, Reference DOI Target: LogCoercivity Removed: 49 (W, Ta, Relative to Late Early, Magnetostriction, LogPermeability, Coercivity, Zn, Grain Diameter, Electrical Resistivity, Late Weighted Volume, Relative to Fe GaGe, Total Early Transition, Relative to Fe BP, Delta T0, Total Late Transition, Late Weighted Area, Relative to Fe Early, Relative to Early GaGe, Ag, Permeability, Relative to Fe SiCAI, Early Me Electrons, Secondary Crystallization Peak (K), Relative to Fe Late, V, Late Mean Electrons, Hf, Late Weighted Mass, Delta T2, Annealing Time (s), Al, Magnetic Saturation, Ti, Longitudinal Annealing Time (s), Al, Magnetic Saturation, Ti, Longitudinal Annealing Time (s), Al, Magnetic Saturation, Ti, Longitudinal Annealing Time (s), Al
Features: Total SiCAI, Total BP, Total GaGe, Total Late Transition, Total Early Transition, Relative to Fe SiCAI, Relative to Fe BP, Relative to Fe GaGe, Relative to Fe Early, Relative to Late Early, Relative to Late SiCAI, Relative to Fe SiCAI, Si
Features: Total SiCAI, Total BP, Total GaGe, Total Late Transition, Total Early Transition, Relative to Fe SiCAI, Relative to Fe GaGe, Relative to Fe GaGe, Relative to Fe Early, Relative to Late Early, Relative to Late SiCAI, Sicandary Cystalization Peak (K), Cy Zr, Nb, Mo, Hf, Ta, W. Ce, LV, Annealing Time (B), Pirmary Cystalization Onset (K), Pirmary Cystalization Peak (K), Secondary Cystalization Peak (K), Relative SiCAI, R
Features: Total SiCAI, Total BP, Total GaGe, Total Late Transition, Total Early Transition, Relative to Fe SiCAI, Relative to Fe BP, Relative to Fe GaGe, Relative to Fe Early, Relative to Late Early, Relative to Late SiCAI, Relative to Fe SiCAI, Si
Features: Total SiCAI, Total BP, Total GaGe, Total Late Transition, Total Early Transition, Relative to Fe SiCAI, Relative to Fe GaGe, Relative to Fe GaGe, Relative to Fe Early, Relative to Late Early, Relative to Late SiCAI, Sicandary Cystalization Peak (K), Cy Zr, Nb, Mo, Hf, Ta, W. Ce, LV, Annealing Time (B), Pirmary Cystalization Onset (K), Pirmary Cystalization Peak (K), Secondary Cystalization Peak (K), Relative SiCAI, R
Features: Total SiCAI, Total BP, Total GaGe, Total Late Transition, Total Early Transition, Relative to Fe SiCAI, Relative to Fe BP, Relative to Fe GaGe, Relative to Fe Early, Relative to Late Early, Relative to Late Early, Relative to Late GaGe, Late Weighted Volume, Late Weighted Area, Late Weighted Mass, Late Mean Electrons, Early Weighted Volume, Early Weighted Area, Early Weighted Mass, Early Mean Electrons, Delta TI, Delta Delta TI, Delta TI, Delta TI, Delta Delta TI, Delta TI, Delta Delta TI, D
Features: Total SiCAI, Total BP, Total GaGe, Total Late Transition, Total Early Transition, Relative to Fe SiCAI, Relative to Fe BP, Relative to Fe GaGe, Relative to Fe Early, Relative to Late Early, Relative to Late Early, Relative to Late GaGe, Late Weighted Volume, Late Weighted Area, Late Weighted Mass, Late Mean Electrons, Early Weighted Volume, Early Weighted Area, Early Weighted Mass, Early Mean Electrons, Delta TI, Delta Delta TI, Delta TI, Delta TI, Delta Delta TI, Delta TI, Delta Delta TI, D
Features: Total SiCAI, Total BP, Total GaGe, Total Late Transition, Total Early Transition, Relative to Fe SiCAI, Relative to Fe BP, Relative to Fe GaGe, Relative to Fe Early, Relative to Late Early, Relative to Late Early, Relative to Late GaGe, Late Weighted Volume, Late Weighted Area, Late Weighted Mass, Late Mean Electrons, Early Weighted Volume, Early Weighted Area, Early Weighted Mass, Early Mean Electrons, Delta TI, Delta Delta TI, Delta TI, Delta TI, Delta Delta TI, Delta TI, Delta Delta TI, D

Test & Score Thu Jul 26 18, 13:15:41

Settings

Sampling type: Stratified 20-fold Cross validation

Scores

Method	MSE	RMSE	MAE	R2
kNN	1.940	1.393	0.865	0.682
Tree	2.431	1.559	1.003	0.601
SVM	4.266	2.065	1.663	0.300
Random Forest	1.446	1.202	0.831	0.763
Neural Network	1.553	1.246	0.860	0.745
Linear Regression	4.125	2.031	1.602	0.323

Thu Jul 26 18, 13:15:45

Name: Tree

Model parameters

Pruning: at least two instances in leaves, at least four instances in internal nodes, maximum depth 9

Splitting: Stop splitting when majority reaches 95% (classification only) Binary trees: Yes

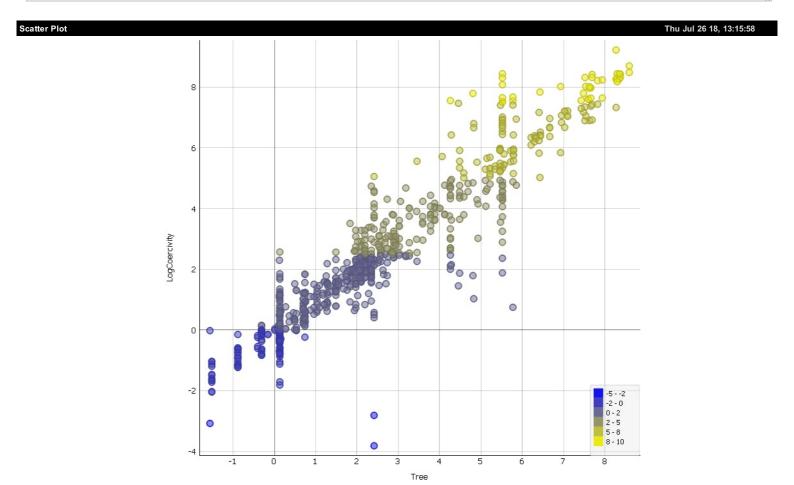
Data

Data instances: 741

Features: Fe, Si, B, P, Ge, Cu, Au, Nb, Mo, Annealing temperature (K), Primary Crystallization Peak (K), Ribbon Thickness (um), Relative to Early SiCAI, Relative to Late SiCAI, Relative to Early BP, Relative to Late BP, Early Weighted Volume, Early Weighted Mass, Delta T1 (total: 19 features)

Meta attributes: Composition ID, Reference DOI

Target: LogCoercivity



Color: LogCoercivity

Random Forest Thu Jul 26 18, 13:16:03

Name: Random Forest

Model parameters

Number of trees: 10 Maximal number of considered features: unlimited

Fixed random seed: 2 Maximal tree depth: 9

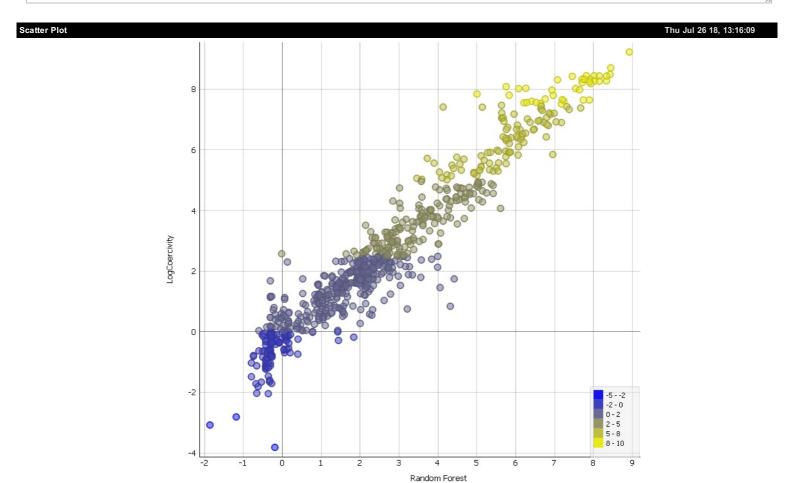
Stop splitting nodes with maximum instances: 4

Data

Data instances: 741

Features: Fe, Si, B, P, Ge, Cu, Au, Nb, Mo, Annealing temperature (K), Primary Crystallization Peak (K), Ribbon Thickness (um), Relative to Early SiCAl, Relative to Late SiCAl, Relative to Early BP, Relative to Late BP, Early Weighted Volume, Early Weighted Mass, Delta T1 (total: 19 features)

Meta attributes: Composition ID, Reference DOI Target: LogCoercivity



Color: LogCoercivity

Linear Regression

Name: Linear Regression

Model parameters

Regularization: No Regularization

Data

Data instances: 741

Features: Fe, Si, B, P, Ge, Cu, Au, Nb, Mo, Annealing temperature (K), Primary Crystallization Peak (K), Ribbon Thickness (um), Relative to Early SiCAI, Relative to Late SiCAI, Relative to Early BP, Relative to Late BP, Early Weighted Volume, Early Weighted Mass, Delta T1 (total: 19 features)

Meta attributes: Composition ID, Reference DOI

Target: LogCoercivity

catter Plot Thu Jul 26 18, 13:16:19 0 8 0 0 6 0 LogCoercivity 0 2 0 0 -2 -2 - 0 0-2 0

Thu Jul 26 18, 13:16:24

Color: LogCoercivity

Linear Regression

6

8

Name: kNN

Model parameters

Number of neighbours: 3 Metric: Euclidean Weight: Uniform

Data

Data instances: 741

Features: Fe, Si, B, P, Ge, Cu, Au, Nb, Mo, Annealing temperature (K), Primary Crystallization Peak (K), Ribbon Thickness (um), Relative to Early SiCAI, Relative to Late SiCAI, Relative to Early BP, Relative to Late BP, Early Weighted Volume, Early Weighted Mass, Delta T1 (total: 19 features)

Meta attributes: Composition ID, Reference DOI

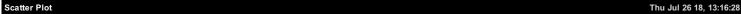
-1

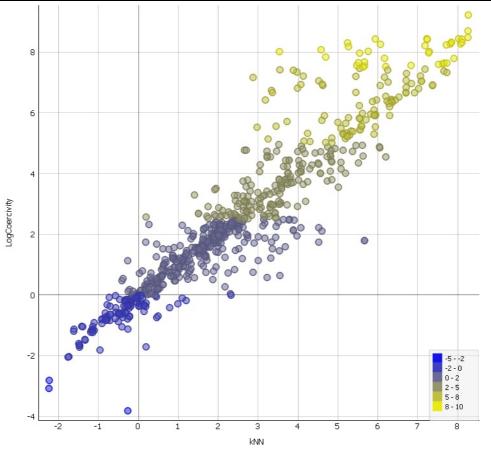
0

1

Target: LogCoercivity







Color: LogCoercivity

Neural Network Thu Jul 26 18, 13:16:33

Name: Neural Network

Model parameters

Hidden layers: 40, 20, 10 Activation: ReLu Solver: Adam Alpha: 1.0 Max iterations: 5000

Data

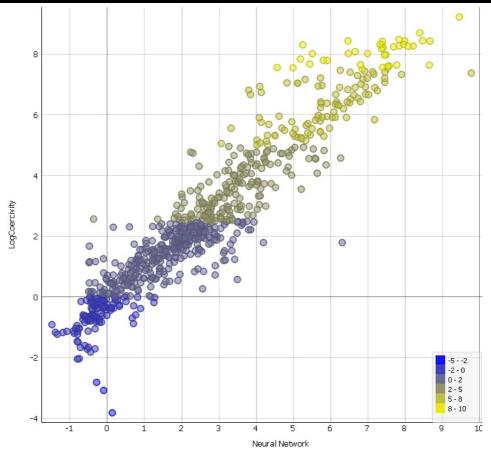
Data instances: 741

Features: Fe, Si, B, P, Ge, Cu, Au, Nb, Mo, Annealing temperature (K), Primary Crystallization Peak (K), Ribbon Thickness (um), Relative to Early SiCAI, Relative to Late SiCAI, Relative to Early BP, Relative to Late BP, Early Weighted Volume, Early Weighted Mass, Delta T1 (total: 19 features)

Meta attributes: Composition ID, Reference DOI

Target: LogCoercivity

Scatter Plot Thu Jul 26 18, 13:16:43



Color: LogCoercivity

SVM Thu Jul 26 18, 13:16:55

Name: SVM

Model parameters

SVM type: v-SVM, v=0.3, C=1.5 Kernel: Linear Numerical tolerance: 0.001 Iteration limt: 5000

Data

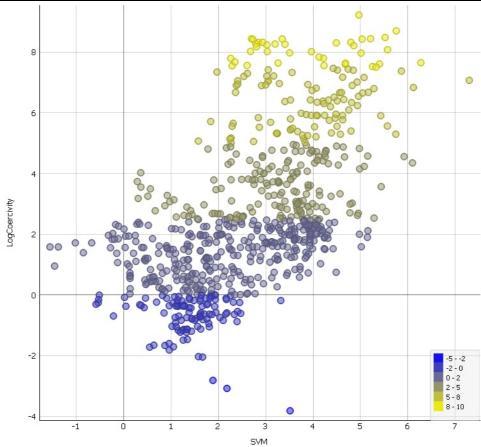
Data instances: 741

Features: Fe, Si, B, P, Ge, Cu, Au, Nb, Mo, Annealing temperature (K), Primary Crystallization Peak (K), Ribbon Thickness (um), Relative to Early SiCAI, Relative to Late SiCAI, Relative to Late SiCAI, Relative to Late BP, Relative to Late BP, Early Weighted Volume, Early Weighted Mass, Delta T1 (total: 19 features)

Meta attributes: Composition ID, Reference DOI

Target: LogCoercivity

Scatter Plot Thu Jul 26 18, 13:17:05



Color: LogCoercivity