Techniques	# papers per technique	Fault detection	Data reconciliation	Prediction	soft-sensing	chemometrics	Process understanding	Control	Supervisory control	Optimization	Knowledge discovery	Decision support	Technology selection	Knowledge management	EU	South-America	Asia-Oceania	North-America	Asia-Oceania & EU	North-Am & Asia-Oceania	North-America & EU	South-America & EU	Africa	Engineering	Electrical engineering	Computer engineering	Control engineering	Chemometrics	Biotechnology	Mechanical eng	Eng & Computer eng	Eng & Electrical Eng	Eng& Statistics	Eng & biotechnology	Other
control chart	7	4	2	0	0	0	0	0	0	0	0	1	0	0	3	0	0	2	0	0	2	0	0	7	0	0	0	0	0	0	0	0	0	0	0
mass balance	9	3	6	0	0	0	0	0	0	0	0	0	0	0	6	0	0	1	0	1	1	0	0	9	0	0	0	0	0	0	0	0	0	0	0
PCA	64	27	0	7	5	5	18	2	0	0	0	0	0	0	31	2	14	3	10	2	0	2	0	46	5	0	2	1	2	0	1	1	2	0	4
ICA	9	9	0	0	0	0	0	0	0	0	0	0	0	0	2	0	4	1	1	1	0	0	0	7	0	0	1	0	0	0	0	0	0	0	1
SOM	12	1	1	1	4	0	5	0	0	0	0	0	0	0	12	0	0	0	0	0	0	0	0	7	1	0	0	0	1	0	0	1	0	0	2
Regression	20	1	1	3	4	7	3	0	0	1	0	0	0	0	7	0	7	5	1	0	0	0	0	13	0	0	0	0	0	1	2	0	1	1	2
PLS	36	4	0	11	2	16	3	0	0	0	0	0	0	0	19	1	11	2	3	0	0	0	0	17	1	1	1	2	0	1	2	1	2	2	6
ANN	99	5	0	49	14	3	2	14	2	8	0	0	1	0	39	1	39	11	5	1	1	1	1	57	15	2	3	0	2	4	7	4	1	0	4
SVM	7	1	0	1	2	2	0	0	0	1	0	0	0	0	3	0	2	2	0	0	0	0	0	2	0	0	1	0	0	2	0	1	0	0	1
clustering	37	7	0	1	3	2	16	5	0	0	2	1	0	0	28	0	6	1	2	0	0	0	0	16	11	0	0	3	0	0	3	0	1	0	3
Qualitative features	28	1	0	1	0	0	0	23	0	2	0	1	0	0	13	2	8	1	1	0	1	2	0	19	4	0	0	0	0	0	0	1	0	0	3
Rules	30	1	0	0	0	0	0	1	7	1	4	9	6	1	22	2	1	4	0	0	1	0	0	12	1	4	0	0	0	0	11	1	0	0	1
CBR	9	2	0	0	0	0	0	2	2	0	1	2	0	0	8	0	1	0	0	0	0	0	0	0	0	2	0	0	0	0	7	0	0	0	0
Fuzzy logic	60	4	0	12	2	0	3	35	0	2	2	2	0	0	31	0	21	1	3	1	1	2	0	33	12	3	3	0	2	0	3	2	0	2	0
DSS	43	2	0	0	0	0	0	3	9	2	1	11	14	1	28	1	7	6	0	0	1	0	0	20	1	6	0	0	0	1	12	1	1	0	1
Ontologies	8	0	0	0	0	0	0	0	0	0	0	3	2	3	2	2	3	1	0	0	0	0	0	1	0	6	0	0	0	1	0	0	0	0	0