Fig. 1

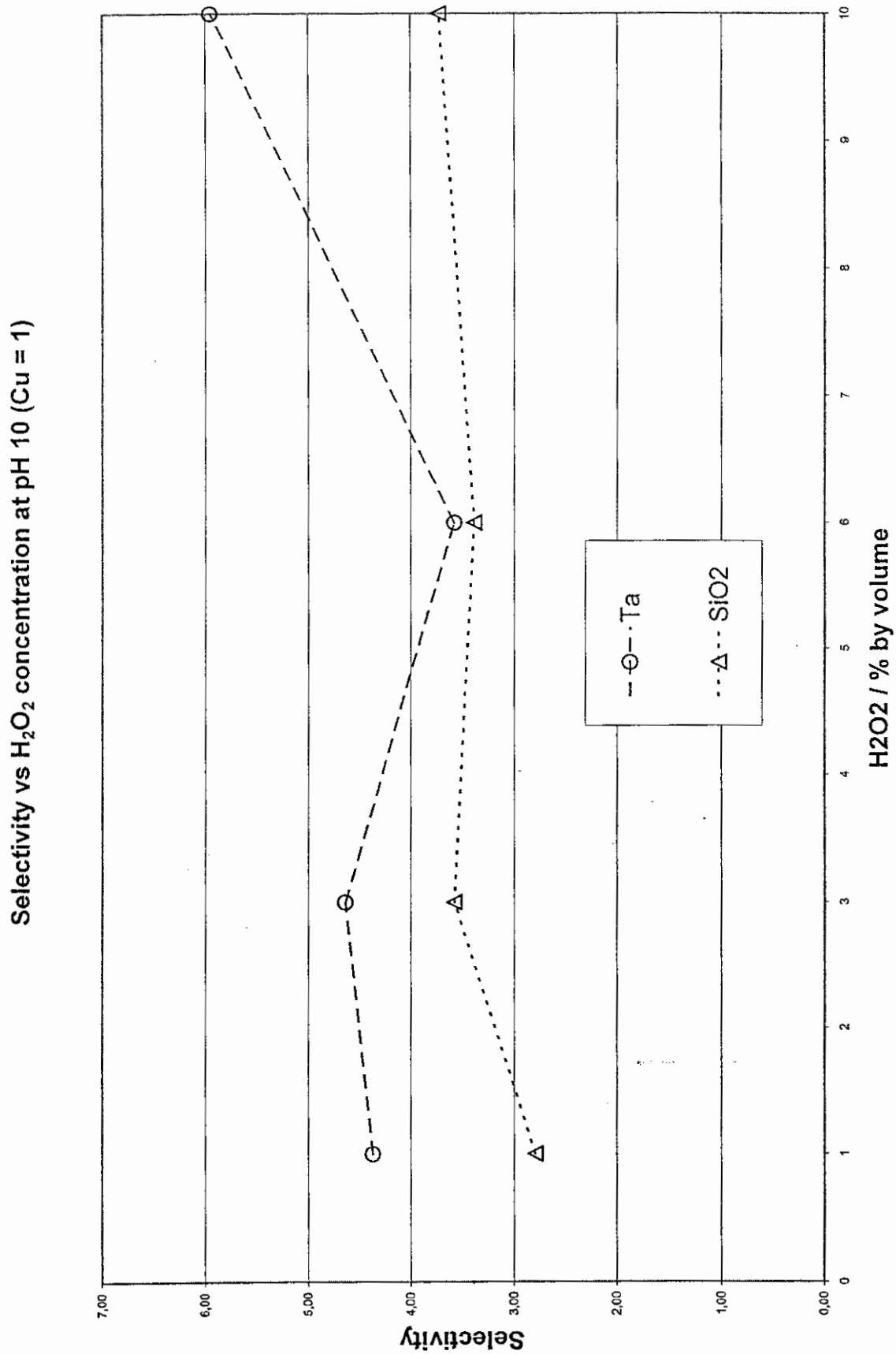

Selectivity vs H_2O_2 concentration at pH 10 (Cu = 1)
Selectivity
7,00
6,00
5,00
4,00
3,00
2,00
1,00
0,00
H2O2 / % by volume
0
1
2
3
4
5
6
7
8
9
10
Ta
SiO2

Fig. 2

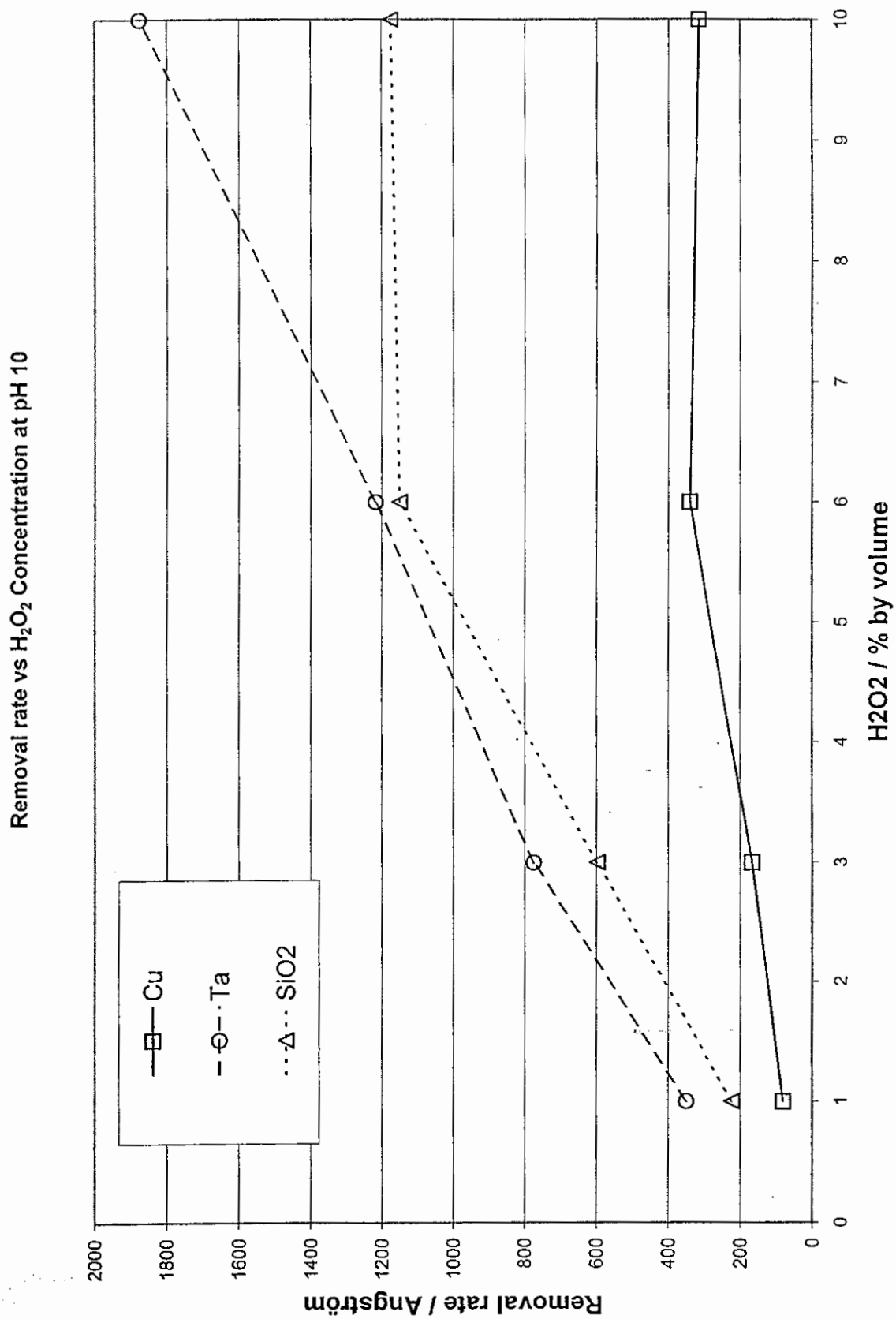

Removal rate vs H_2O_2 Concentration at pH 10
Removal rate / Angström
H2O2 / % by volume
Cu
Ta
SiO2
0
200
400
600
800
1000
1200
1400
1600
1800
2000
0
1
2
3
4
5
6
7
8
9
10

Fig. 3

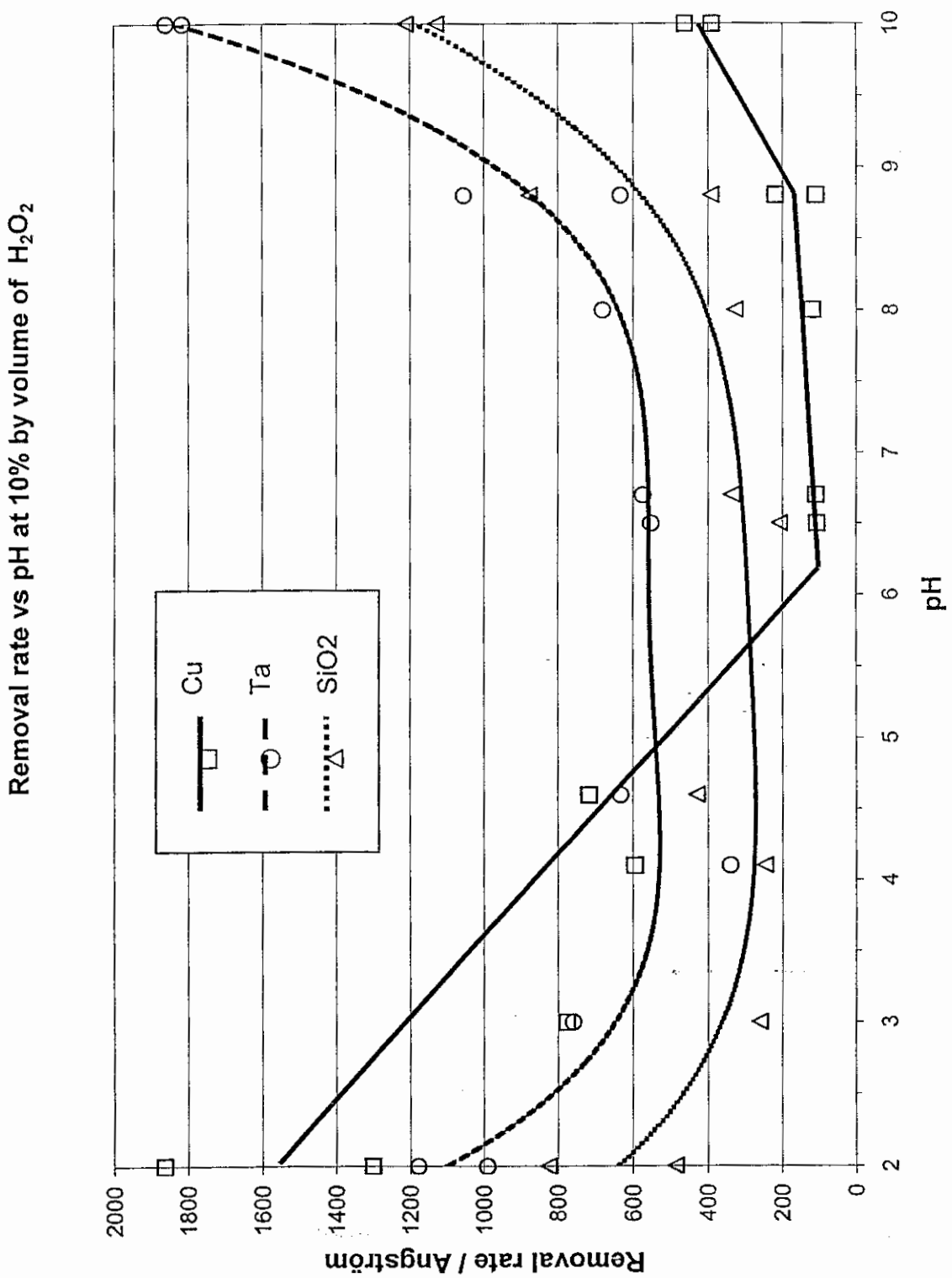
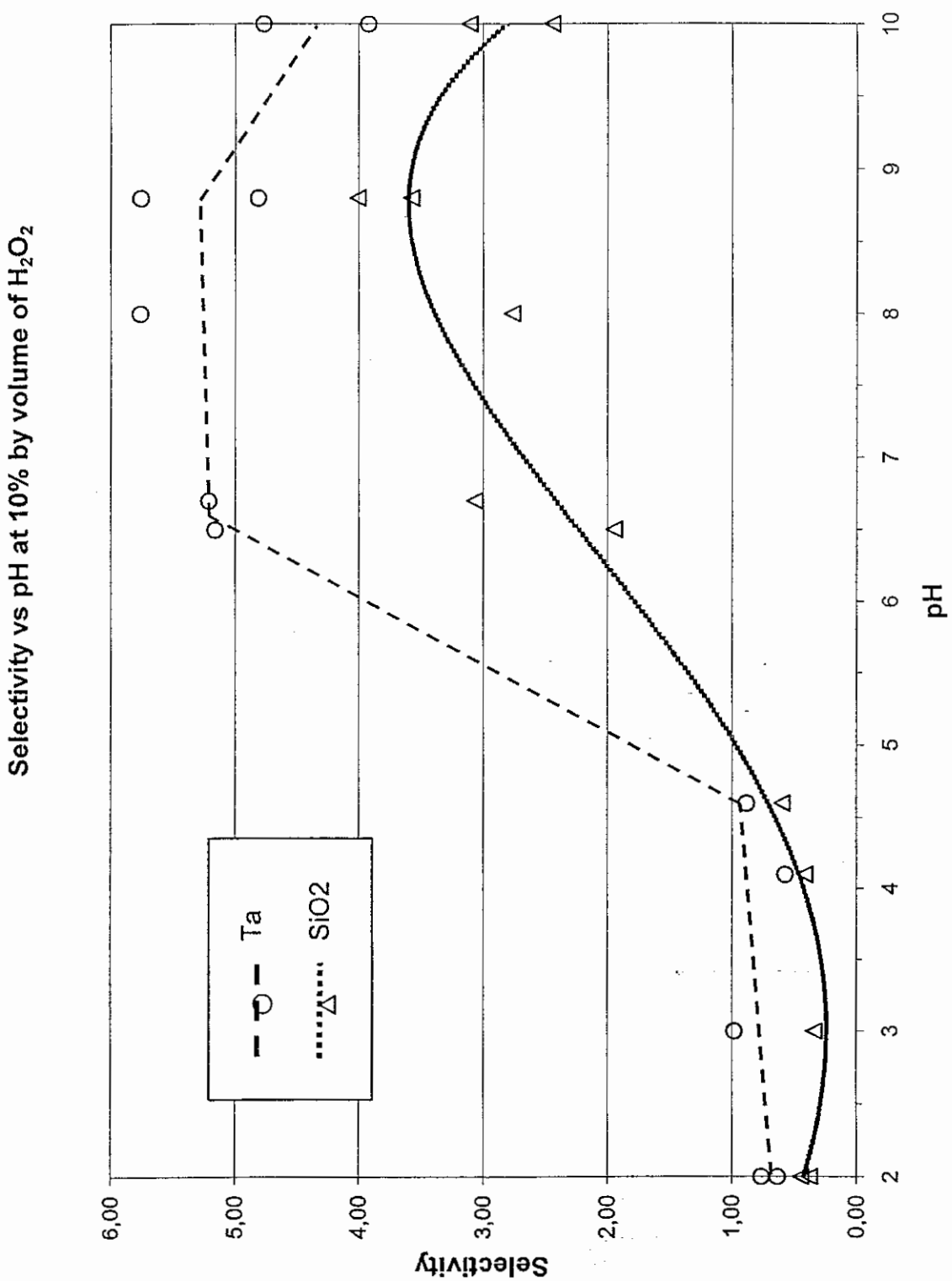

Removal rate vs pH at 10% by volume of H_2O_2
Removal rate / Angstrom
pH
Cu
Ta
SiO2
2000
1800
1600
1400
1200
1000
800
600
400
200
0
2
3
4
5
6
7
8
9
10

Fig. 4


Selectivity vs pH at 10% by volume of H_2O_2
Selectivity
pH
Ta
SiO2
6,00
5,00
4,00
3,00
2,00
1,00
0,00
2
3
4
5
6
7
8
9
10