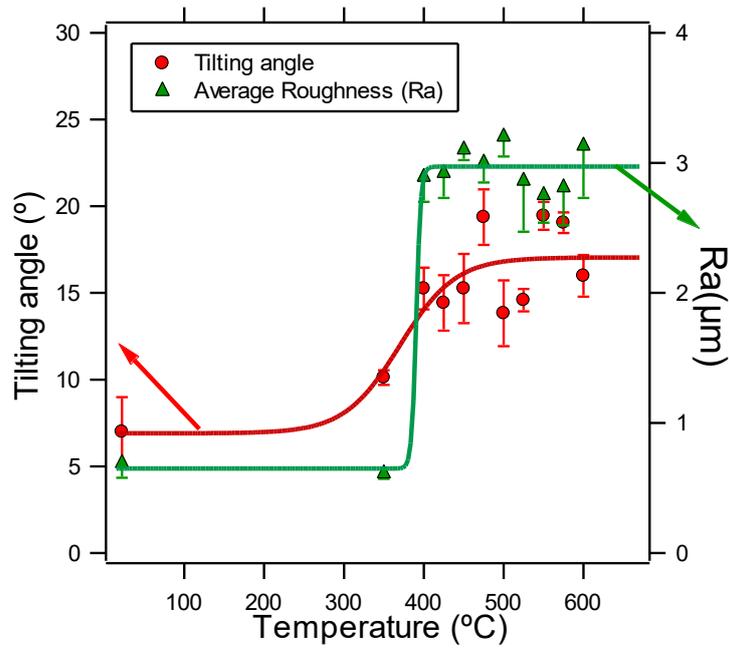


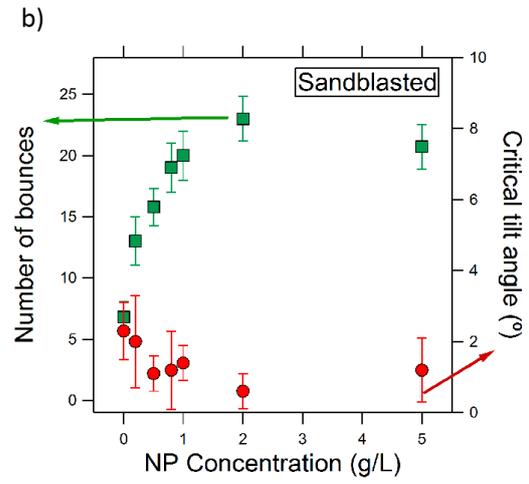
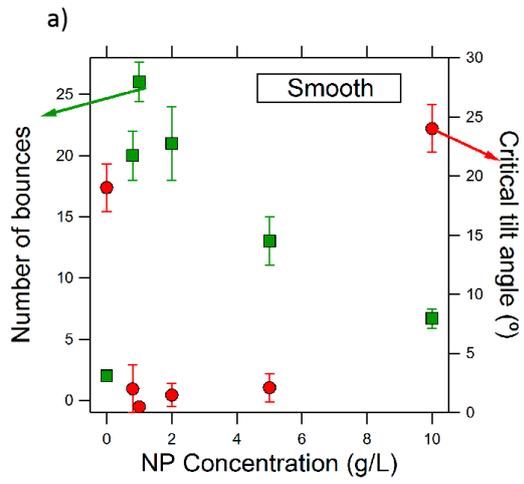
Water-Repellent Galvanized Steel Surfaces Obtained by Sintering of Zinc Nanopowder

Langmuir 2023, 39, 5469–5476

RAW DATA



T	Ta	ΔTa	Ra	ΔRa
22	7	2	0.69	0.11
350	10.12	0.42	0.61	0.04
400	15.26	1.2	2.89	0.19
425	14.42	1.6	2.92	0.19
450	15.25	2	3.1	0.08
475	19.37	1.6	3	0.15
500	13.83	1.9	3.2	0.15
525	14.58	0.65	2.86	0.39
550	19.44	0.8	2.75	0.21
575	19.05	0.6	2.81	0.29
600	15.98	1.2	3.13	0.4



SMOOTH

NP concentration	Ra (μm)	# Bounces	α ($^\circ$)
0 g/L (not heated)	0.69 ± 0.11	1 ± 0	7 ± 2
0g/L	3.3 ± 0.3	2 ± 0	19 ± 2
0.5 g/L	3.9 ± 0.3	9.6 ± 1.5	4.1 ± 1.7
0.8 g/L	3.6 ± 0.3	20 ± 2	2 ± 2
1g/L	3.6 ± 0.4	26 ± 1.6	0.4 ± 0.3
2g/L	2.9 ± 0.2	21 ± 3	2 ± 2
5g/L	4.5 ± 0.3	13 ± 2	2.1 ± 1.2
10 g/L	8.6 ± 0.8	6.7 ± 0.8	24 ± 2

SANBLASTED

NP concentration	Ra (μm)	# Bounces	α ($^\circ$)
0 g/L (not heated)	5.3 \pm 0.3	1 \pm 0	19 \pm 1
0g/L	8.9 \pm 1.3	6.8 \pm 1.3	2.3 \pm 0.8
0.2 g/L	8.3 \pm 1.5	13 \pm 2	2.0 \pm 1.3
0.5 g/L	7.5 \pm 1.4	15.8 \pm 1.5	1.1 \pm 0.5
0.8 g/L	7.1 \pm 1.5	19 \pm 2	1.2 \pm 1.1
1 g/L	10.2 \pm 1.2	20 \pm 2	1.4 \pm 0.5
2 g/L	9.1 \pm 1.1	23.0 \pm 1.8	0.6 \pm 0.5
5 g/L	4.4 \pm 0.4	20.7 \pm 1.8	1.2 \pm 0.9