



Supplementary Materials

Facile construction and fabrication of a superhydrophobic and super oleophilic stainless steel mesh for separation of water and oil

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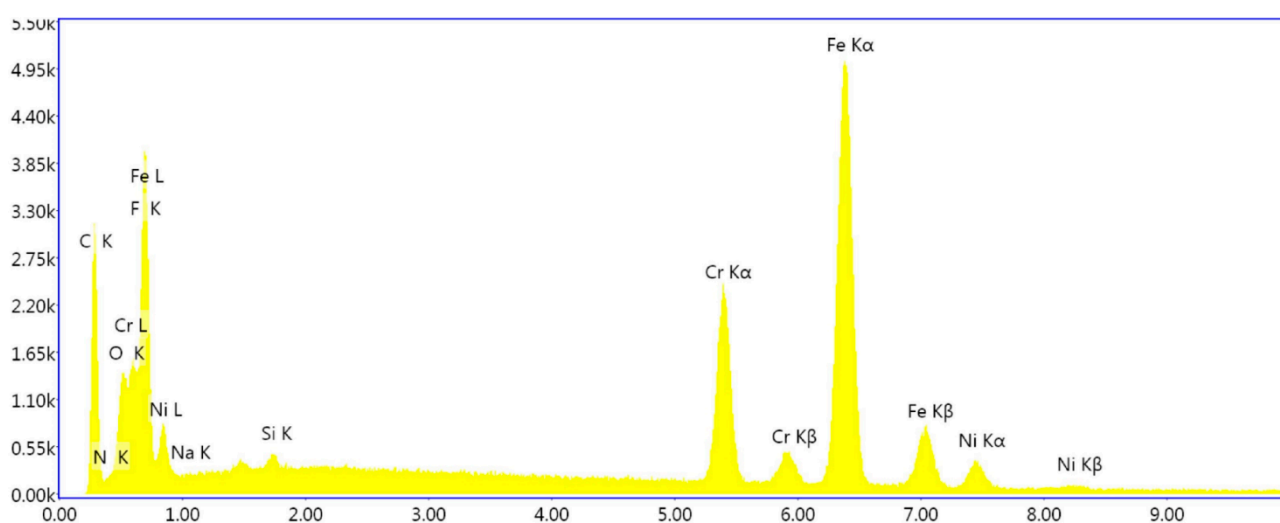


Figure S1. Images of SSM on EDS elemental analysis.

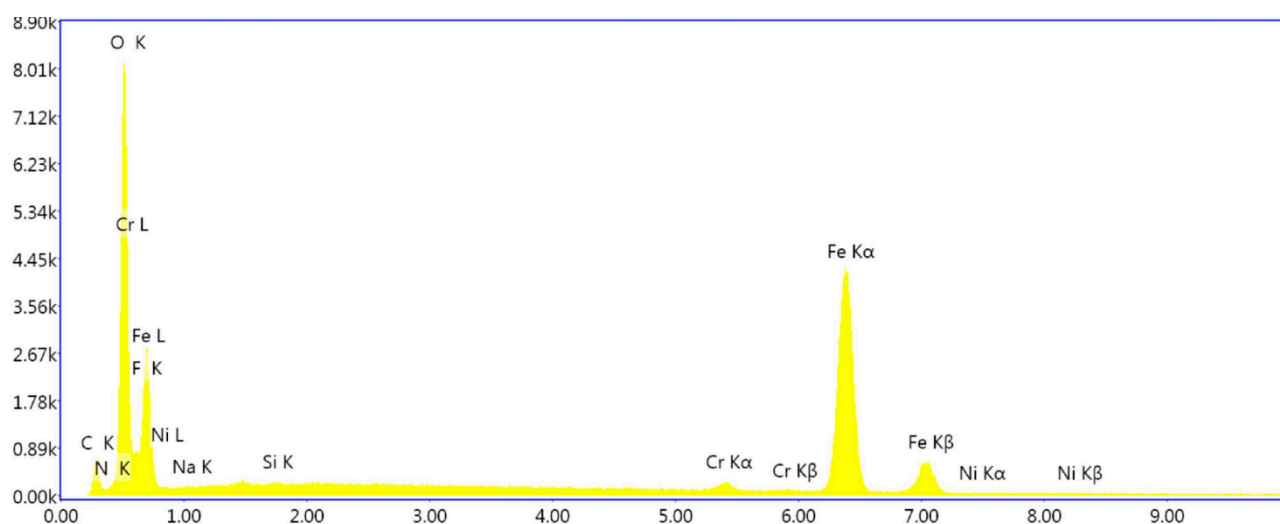


Figure S2. Images of Fe₂O₃-NCs@SSM on EDS elemental analysis.

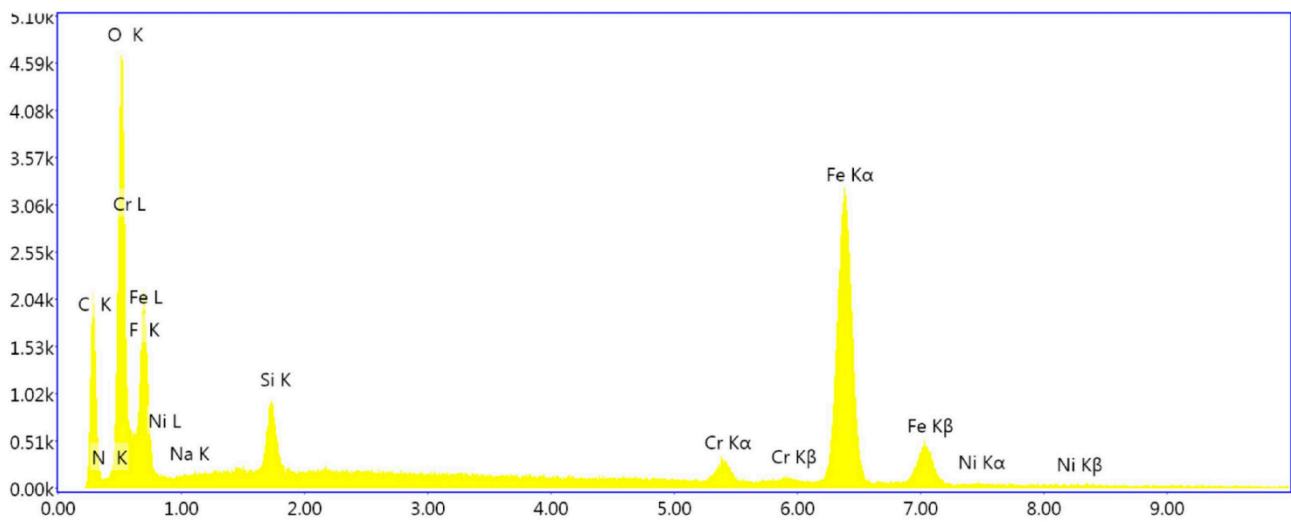


Figure S3. Images of OTS@Fe₂O₃-NCs@SSM on EDS elemental analysis.

Table 1. Zeta potential values of the samples.

Sample	Zeta potential (mv)	Stdev (mv)	Test device
SSM	-63.25	5.01	SurPass, Anton Paar
Fe ₂ O ₃ -NCs@SSM	-45.09	5.71	SurPass, Anton Paar
OTS@Fe ₂ O ₃ -NCs@SSM	-27.83	6.81	SurPass, Anton Paar
Fe ₂ O ₃ -NCs	-14.17	0.48	Nano ZS90, Malvern
OTS	-26.10	0.36	Nano ZS90, Malvern