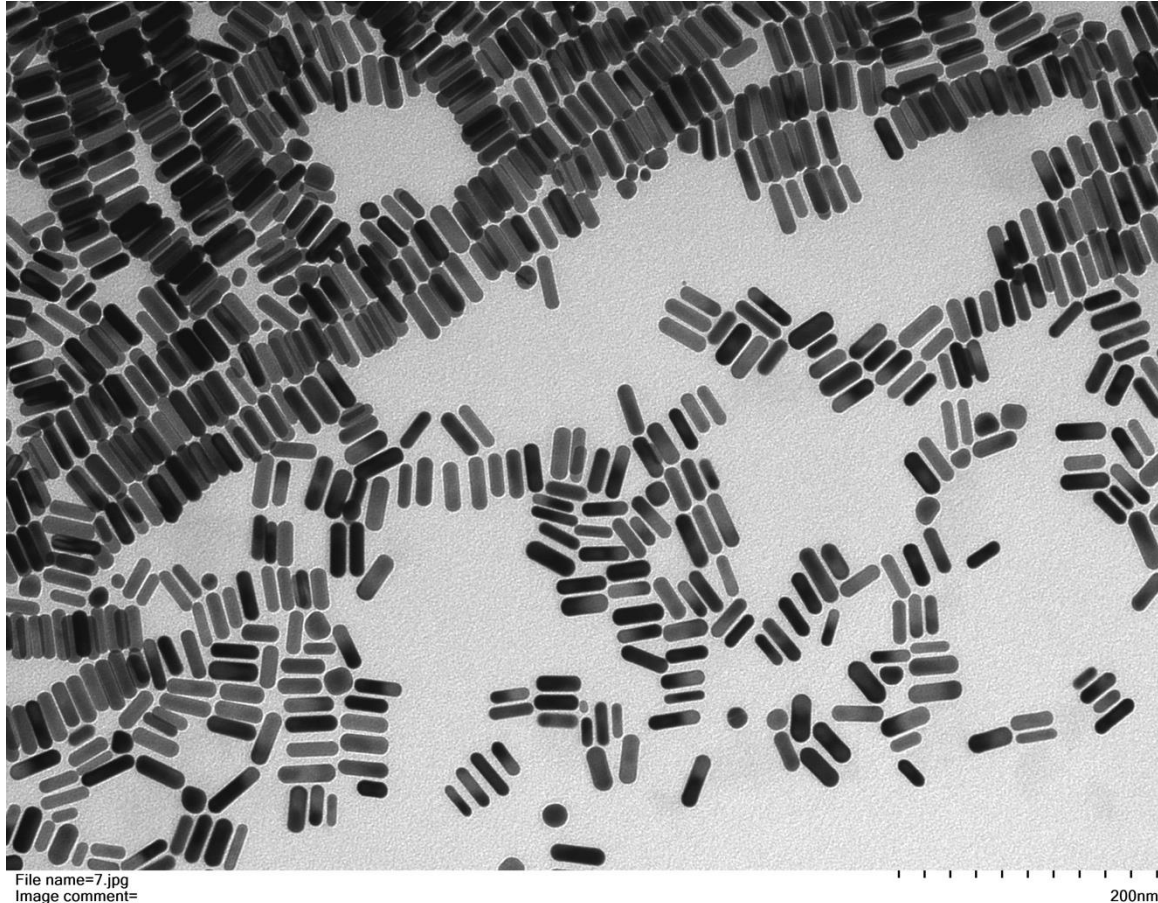


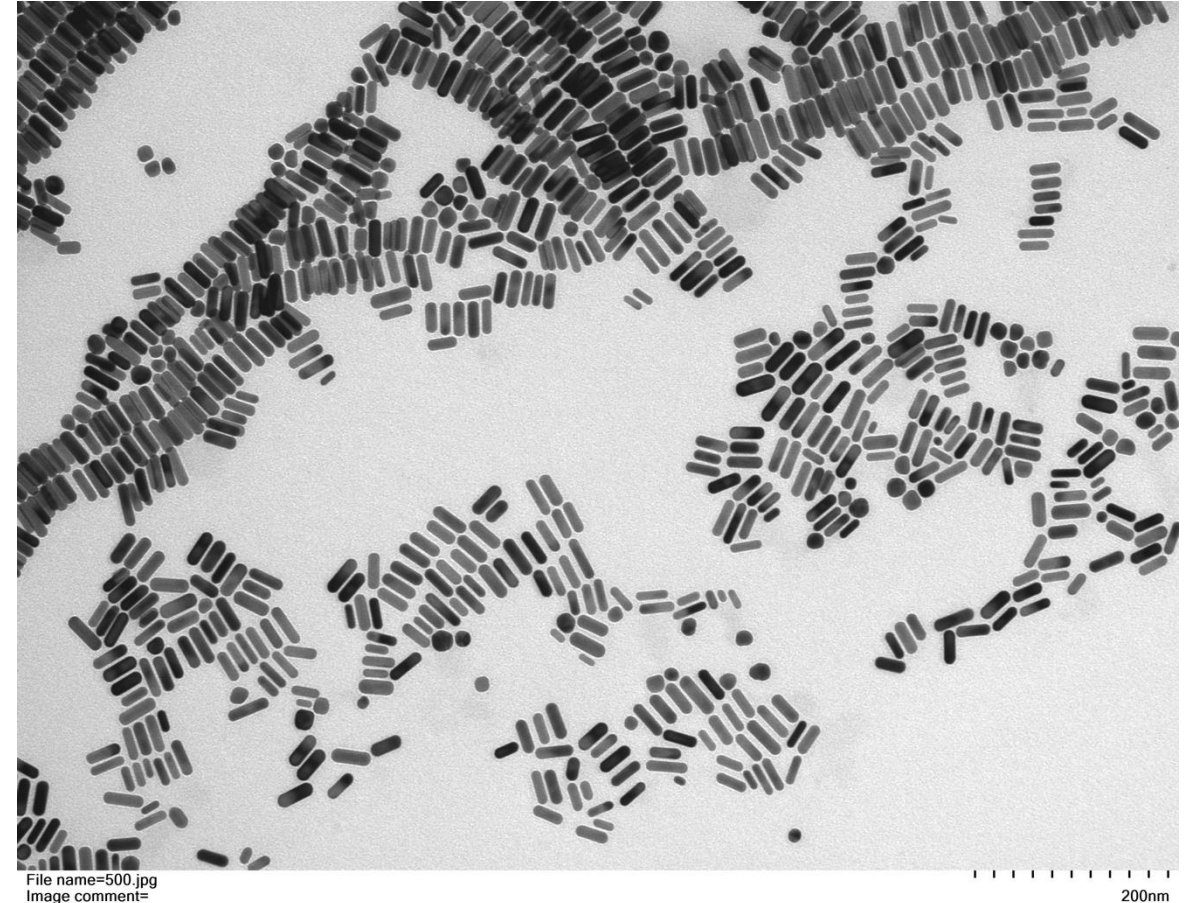
Full TEM images of nanoparticles

Long AuNRs



File name=7.jpg
Image comment=
Image date=2022/08/08 13:53:13
Image number=3001
Calibration=1.083
Magnification=x40.0k
Lens mode=Zoom-1

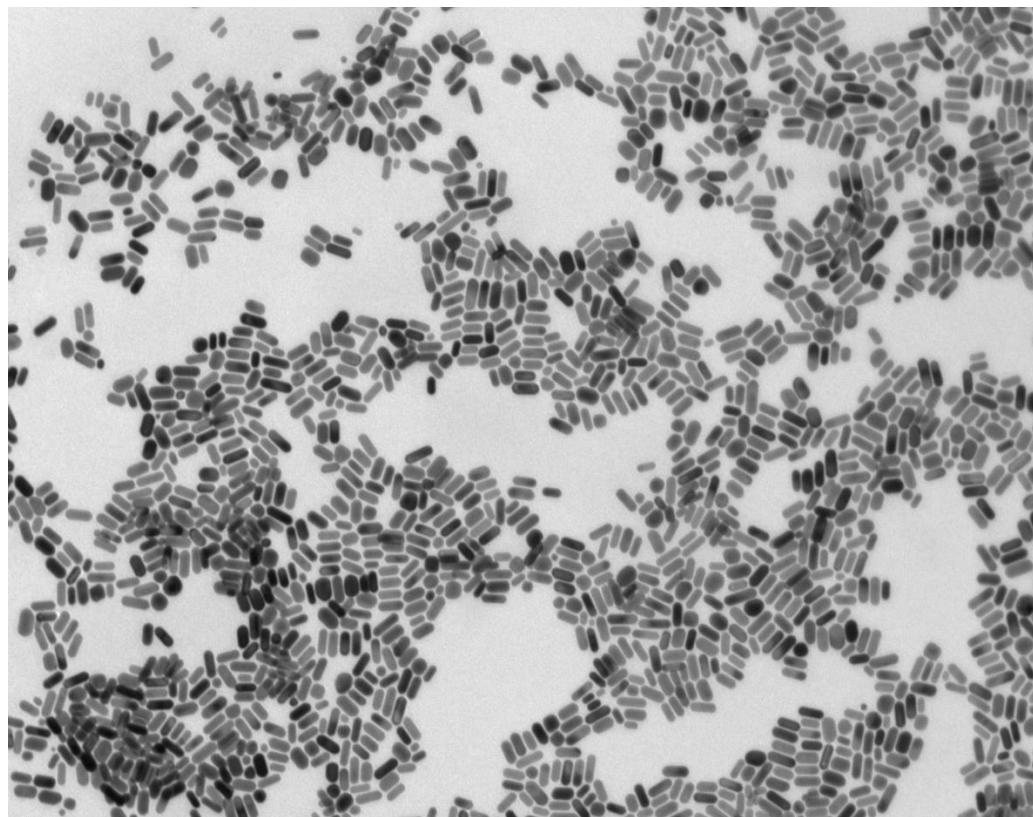
Spot number=3
Image rotation=0°
Acc. voltage=80.0kV
Emission=10.4μA
Stage X=-106 Y=-950 Tilt=0.4 Azim=0.0



File name=500.jpg
Image comment=
Image date=2022/08/08 14:13:03
Image number=3009
Calibration=1.083
Magnification=x30.0k
Lens mode=Zoom-1

Spot number=3
Image rotation=0°
Acc. voltage=80.0kV
Emission=10.4μA
Stage X=3 Y=-889 Tilt=0.4 Azim=0.0

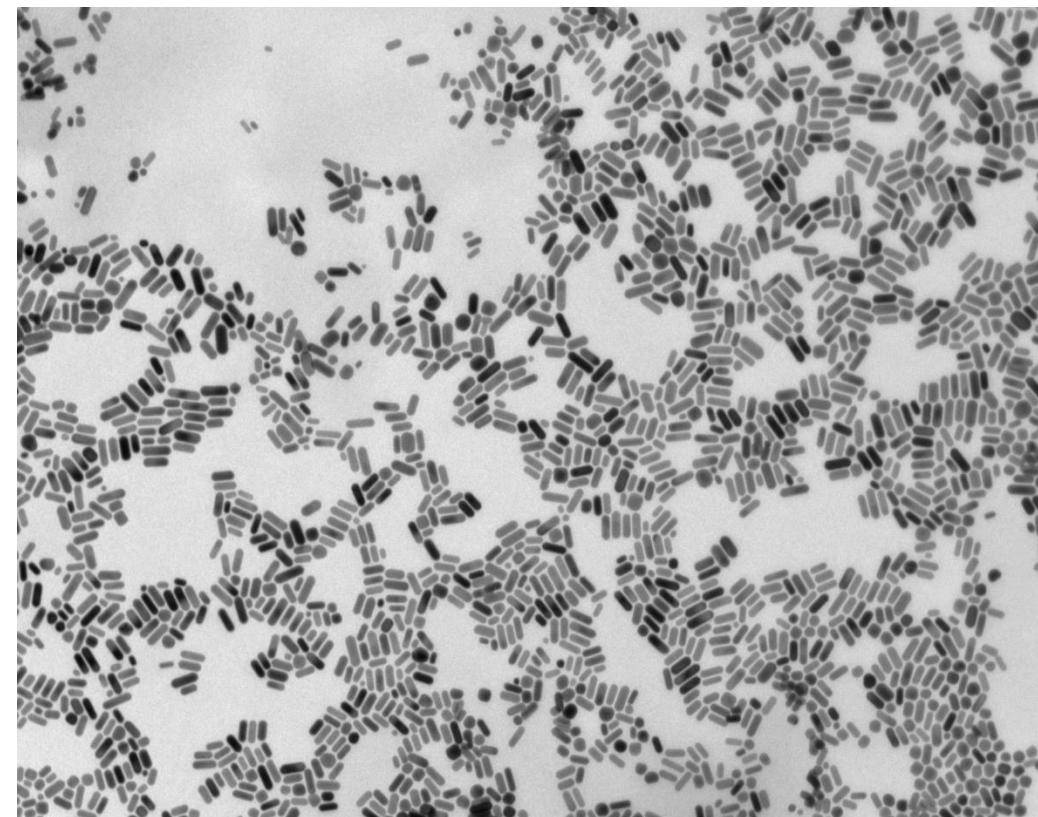
Short AuNRs



100.tif
Cal: 0.777389 nm/pix
14:28:19 2/24/2023
TEM Mode: Imaging

100 nm
HV=100.0kV
Direct Mag: 20000x
X:430.7 Y: -1174.
Tilt: -0.2
AMT Camera System

Camera: XR280, Exposure(ms): 1000 Gain: 1, Bin: 1
Gamma: 1.00, No Sharpening, Normal Contrast

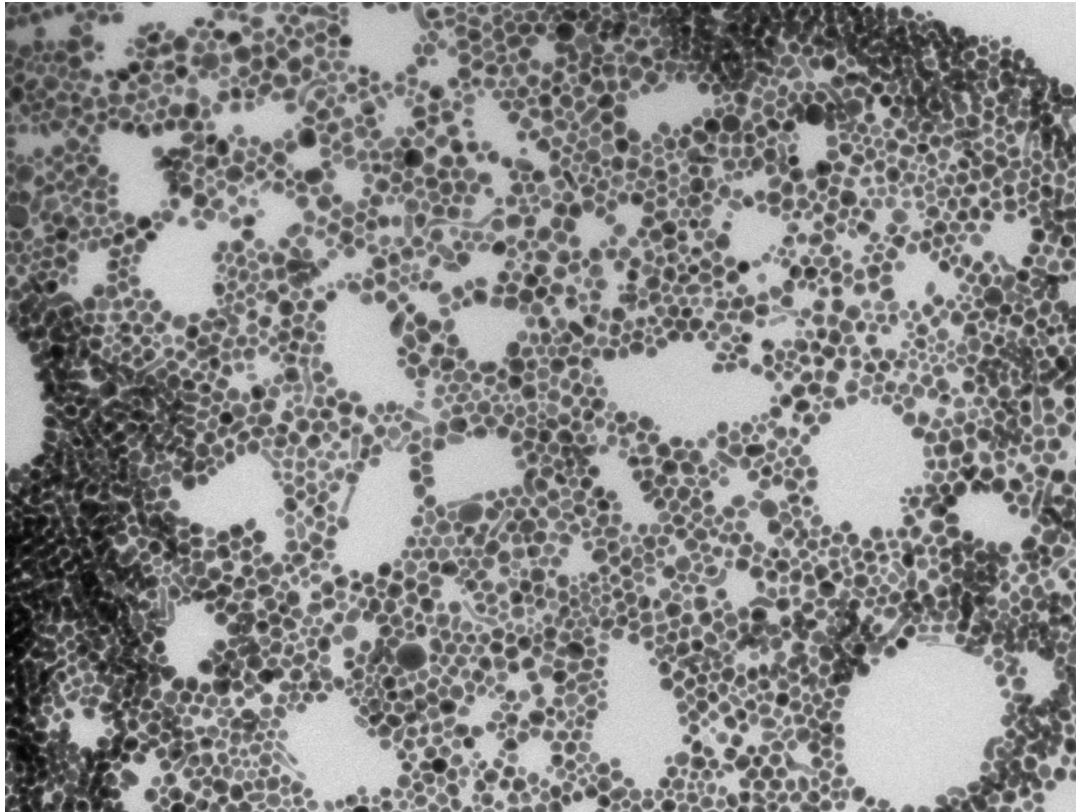


103.tif
Cal: 0.777389 nm/pix
14:46:15 2/24/2023
TEM Mode: Imaging

100 nm
HV=100.0kV
Direct Mag: 20000x
X:676.9 Y: -7196.
Tilt: -0.2
AMT Camera System

Camera: XR280, Exposure(ms): 1000 Gain: 1, Bin: 1
Gamma: 1.00, No Sharpening, Normal Contrast

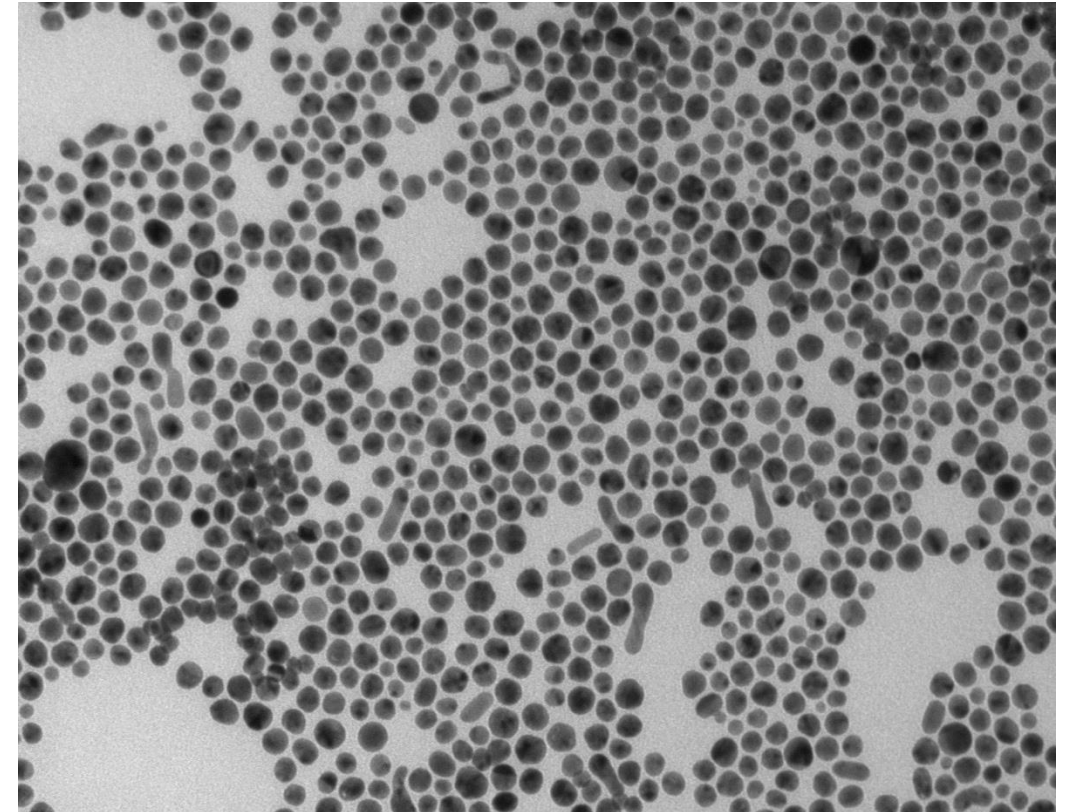
Alloy nanoparticles with high Au fraction



100.tif
Cal: 0.777389 nm/pix
15:03:15 9/15/2022
TEM Mode: Imaging

100 nm
HV=100.0kV
Direct Mag: 20000x
X: 649.5 Y: -3942
Tilt: -0.3
AMT Camera System

Camera: XR280, Exposure(ms): 1000 Gain: 1, Bin: 1
Gamma: 1.00, No Sharpening, Normal Contrast

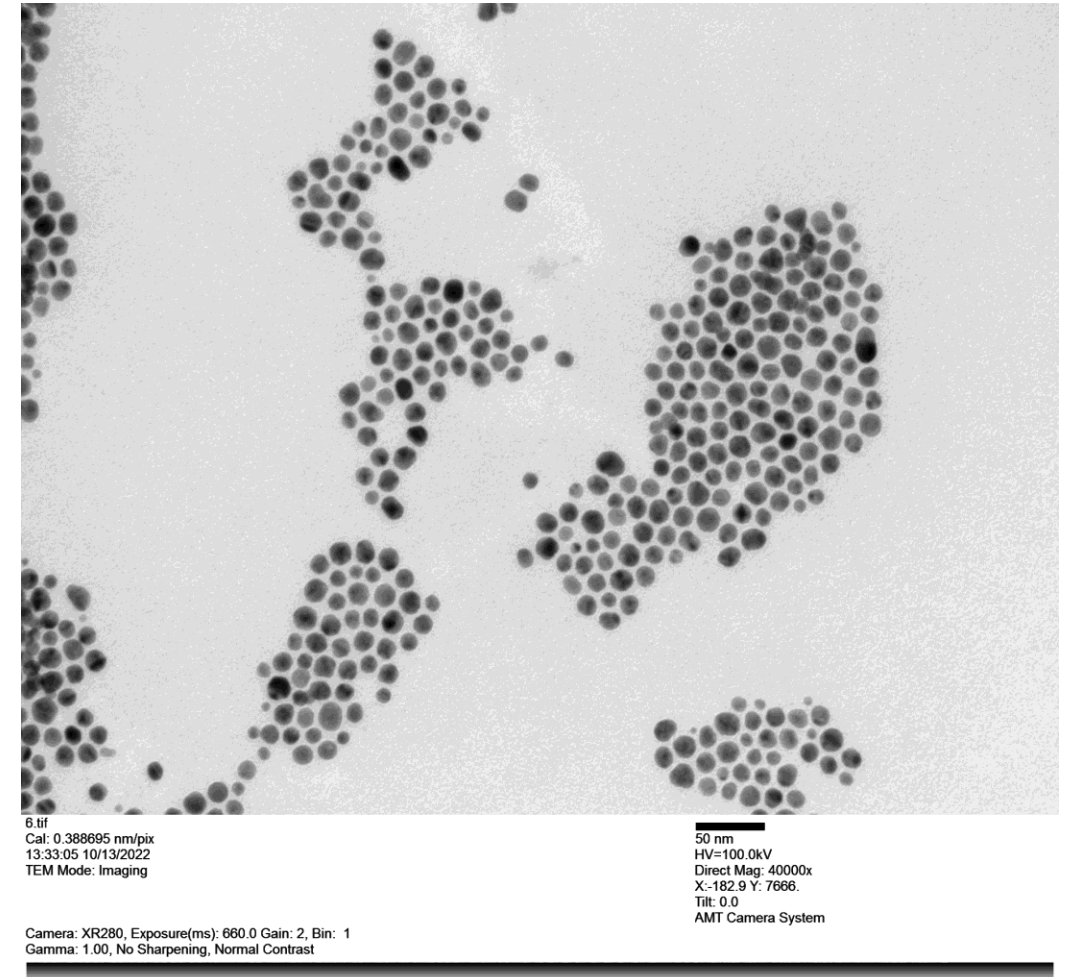
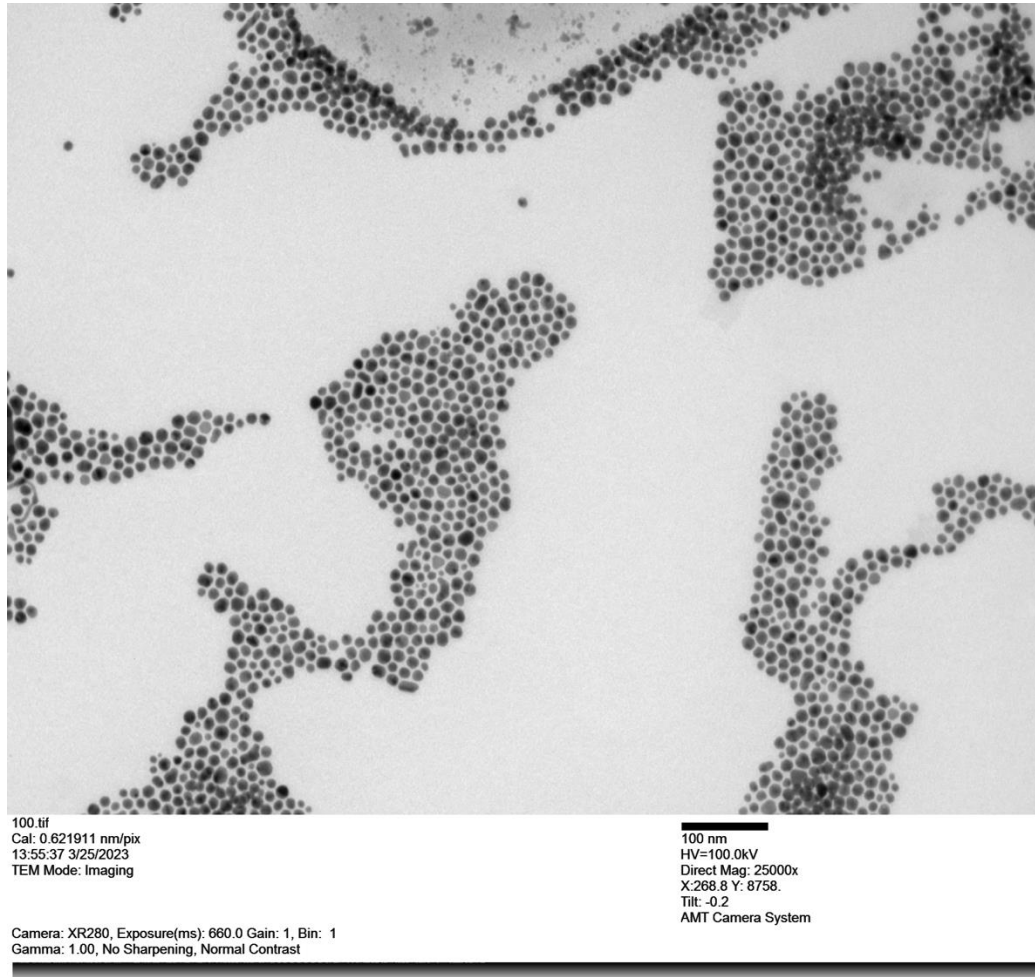


10.tif
Cal: 0.388695 nm/pix
15:06:25 9/15/2022
TEM Mode: Imaging

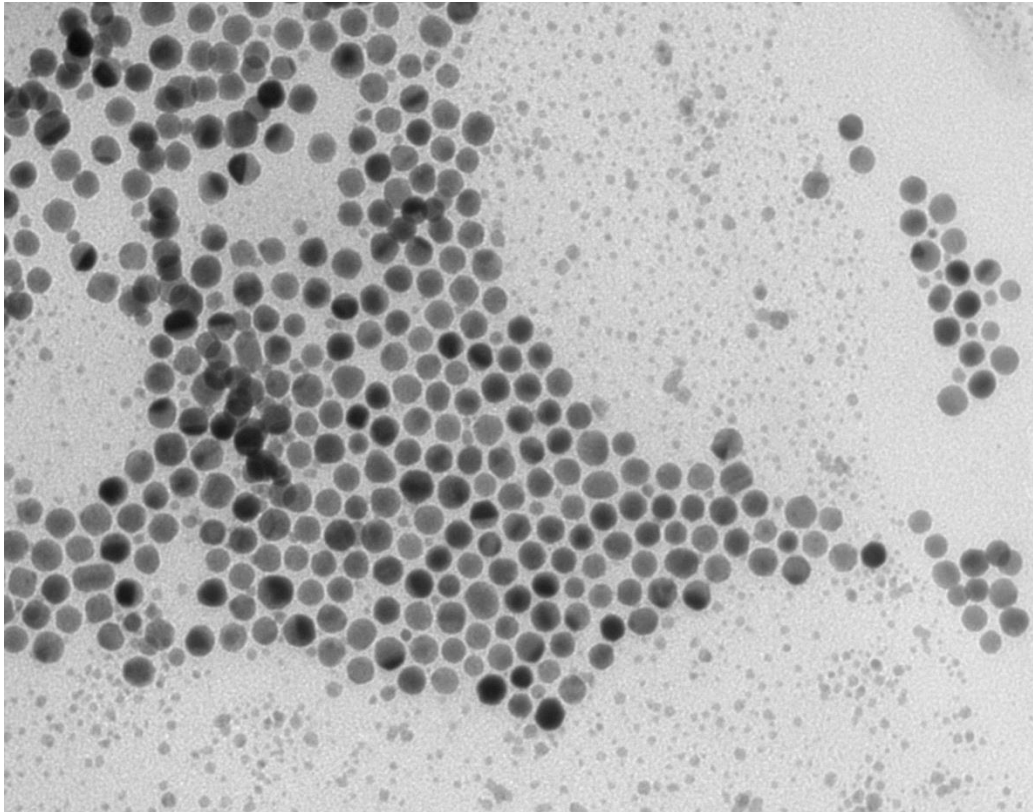
50 nm
HV=100.0kV
Direct Mag: 40000x
X: 650.3 Y: -3949
Tilt: -0.3
AMT Camera System

Camera: XR280, Exposure(ms): 1000 Gain: 1, Bin: 1
Gamma: 1.00, No Sharpening, Normal Contrast

Alloy nanoparticles with low Au fraction



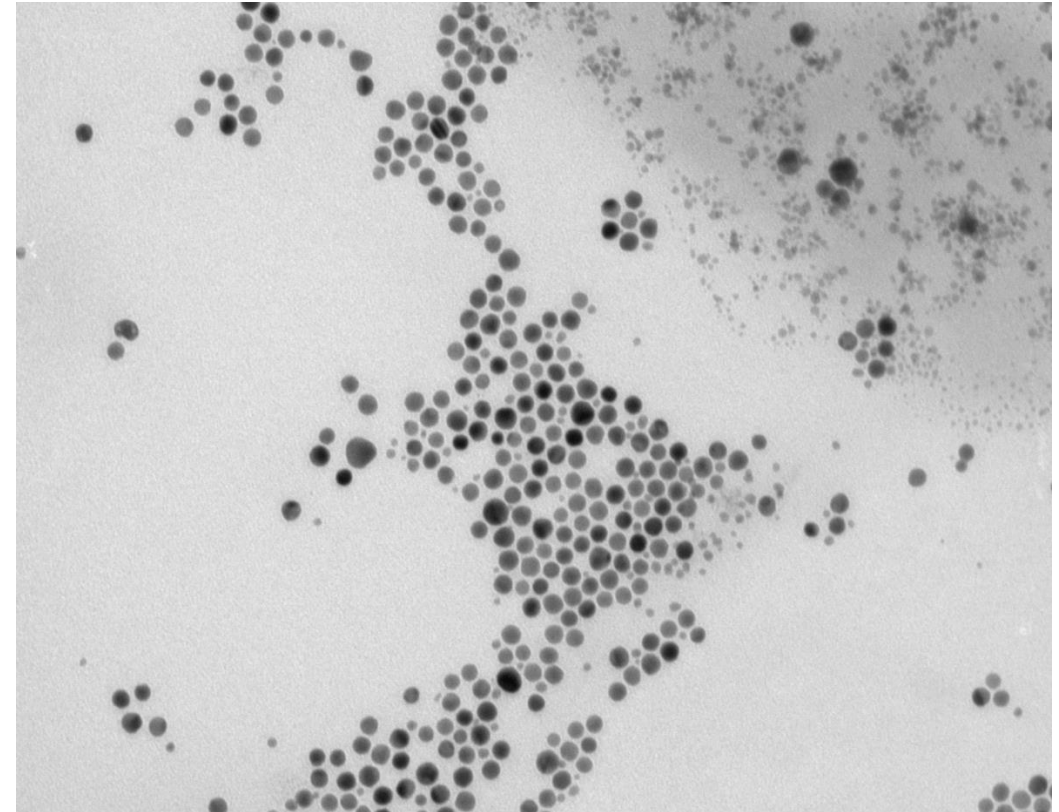
Core-shell Au/Ag nanoparticles



1.tif
Cal: 0.259130 nm/pix
13:52:18 3/29/2023
TEM Mode: Imaging

50 nm
HV=100.0kV
Direct Mag: 60000x
X:-481.2 Y: 3080
Tilt: -0.2
AMT Camera System

Camera: XR280, Exposure(ms): 1000 Gain: 2, Bin: 1
Gamma: 1.00, No Sharpening, Normal Contrast



6.tif
Cal: 0.388695 nm/pix
13:59:12 3/29/2023
TEM Mode: Imaging

50 nm
HV=100.0kV
Direct Mag: 40000x
X:-280.7 Y: 4089
Tilt: -0.2
AMT Camera System

Camera: XR280, Exposure(ms): 1000 Gain: 2, Bin: 1
Gamma: 1.00, No Sharpening, Normal Contrast

Gold tetrapods



102.tif
Cal: 0.001555 $\mu\text{m}/\text{pix}$
17:13:10 12/5/2024
TEM Mode: Imaging

100 nm
HV=100.0kV
Direct Mag: 20000x
X:-606.3 Y:-4147.
Tilt: 1.2
AMT Camera System

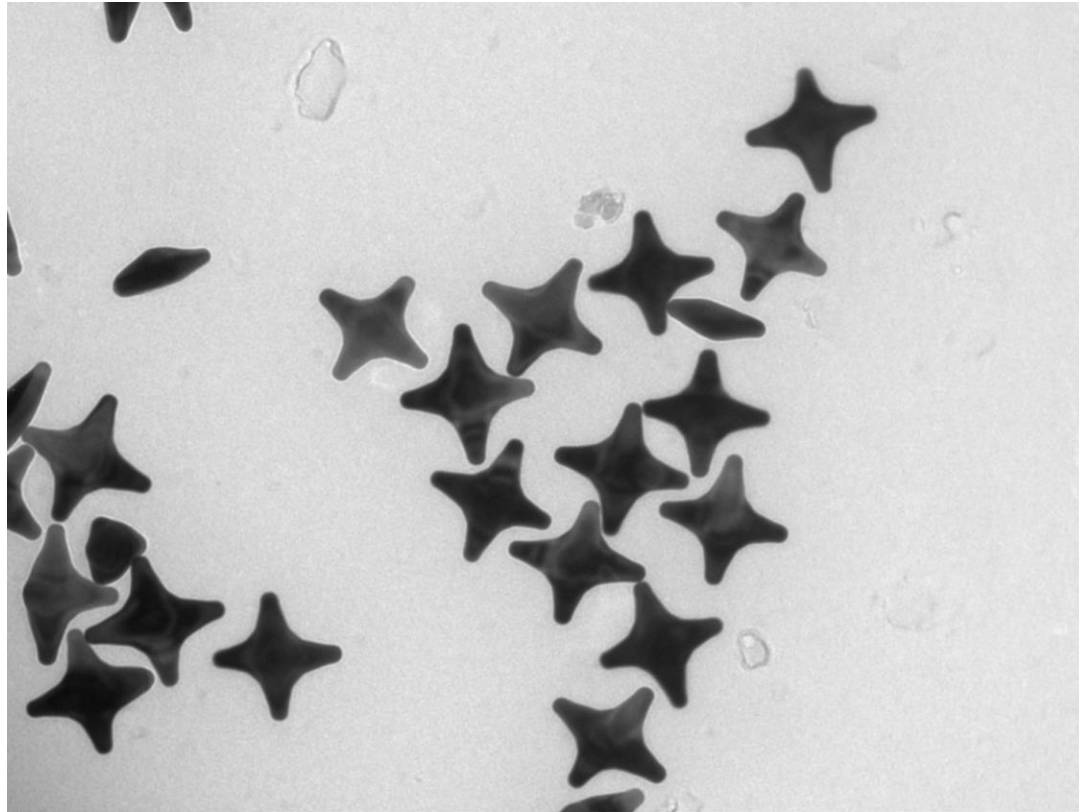
Camera: XR280, Exposure(ms): 1000.0 Gain: 1, Bin: 1
Gamma: 1.00, No Sharpening, Normal Contrast



101.tif
Cal: 0.777389 nm/pix
17:06:15 12/5/2024
TEM Mode: Imaging

50 nm
HV=100.0kV
Direct Mag: 40000x
X:-684.2 Y:-5548.
Tilt: 1.2
AMT Camera System

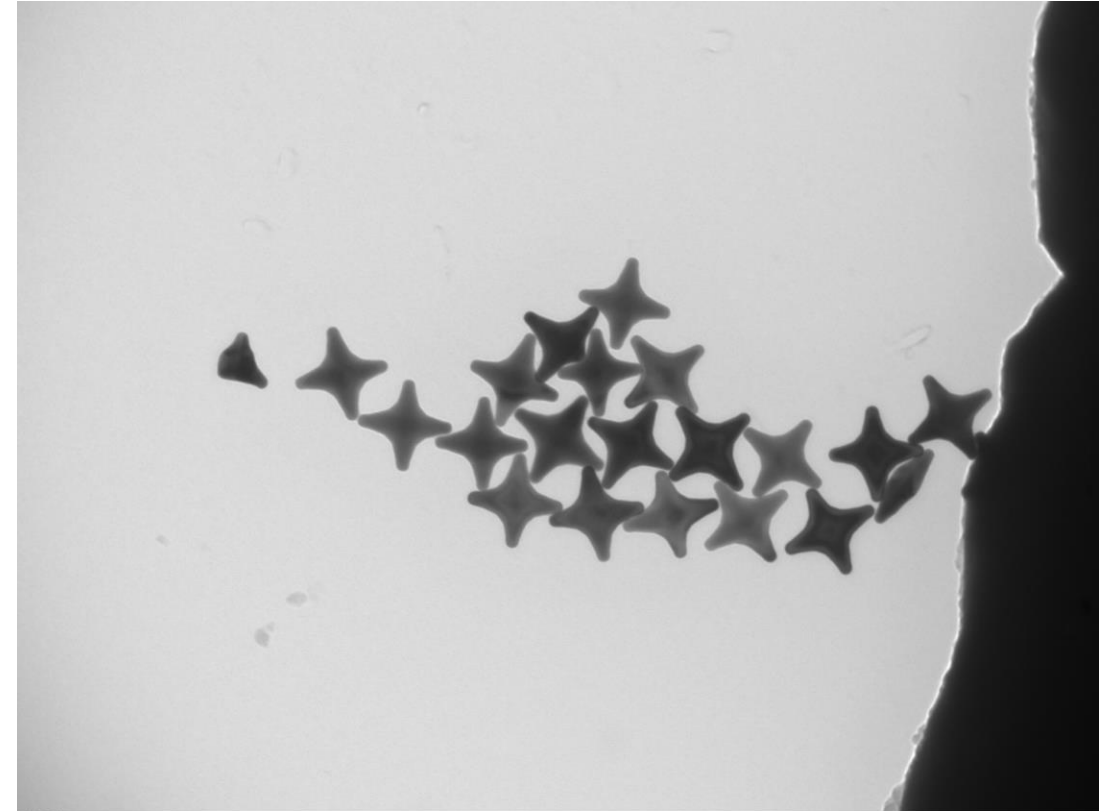
Camera: XR280, Exposure(ms): 1000.0 Gain: 1, Bin: 1
Gamma: 1.00, No Sharpening, Normal Contrast



106.tif
Cal: 0.777389 nm/pix
17:33:52 12/5/2024
TEM Mode: Imaging

50 nm
HV=100.0kV
Direct Mag: 40000x
X:-811.8 Y: 969.
Tilt: 1.2
AMT Camera System

Camera: XR280, Exposure(ms): 1000.0 Gain: 1, Bin: 1
Gamma: 1.00, No Sharpening, Normal Contrast



100.tif
Cal: 0.001037 $\mu\text{m}/\text{pix}$
16:49:41 12/3/2024
TEM Mode: Imaging

100 nm
HV=100.0kV
Direct Mag: 30000x
X:718.5 Y: -962.
Tilt: -0.1
AMT Camera System

Camera: XR280, Exposure(ms): 1000.0 Gain: 1, Bin: 1
Gamma: 1.00, No Sharpening, Normal Contrast