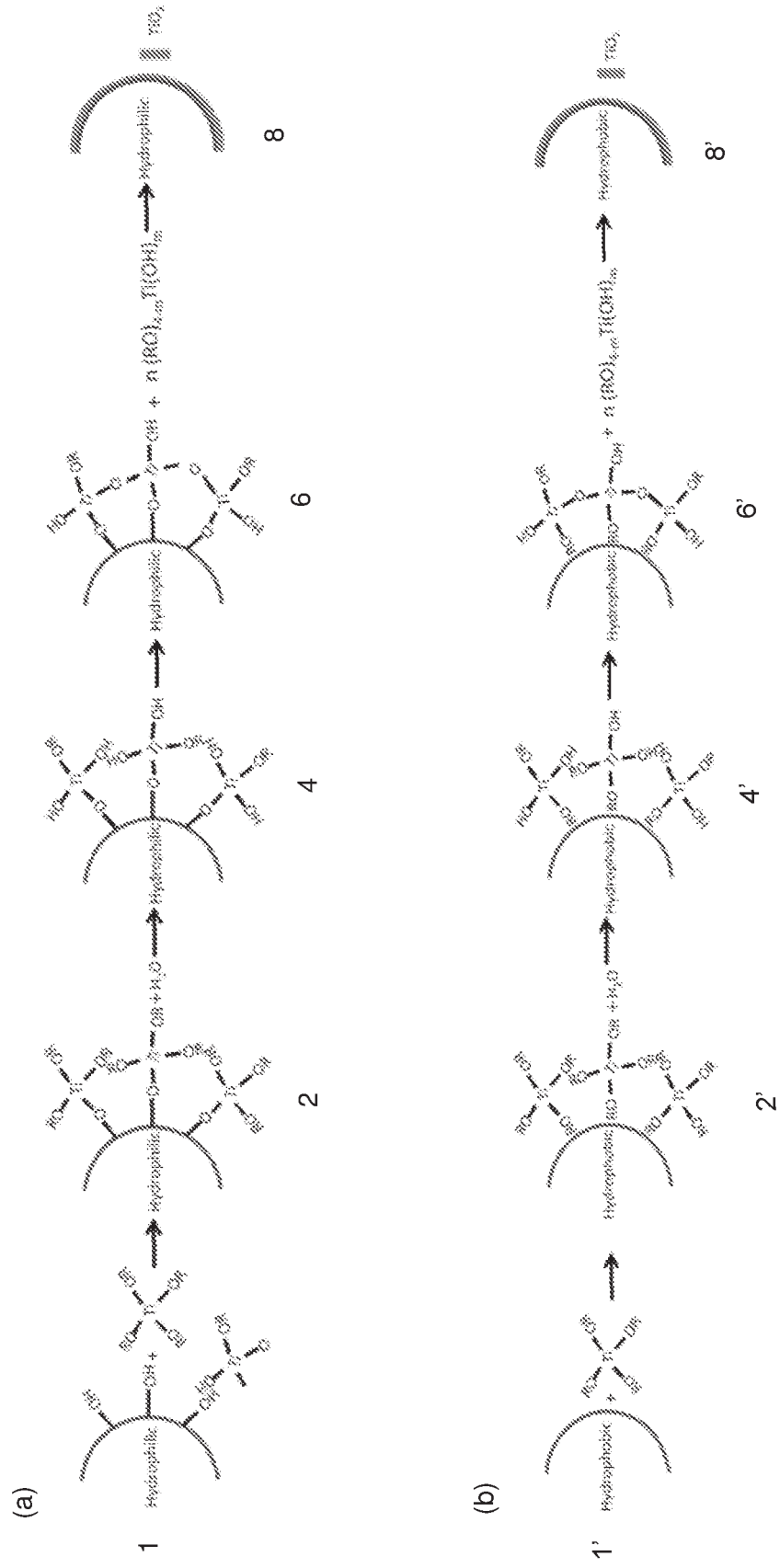
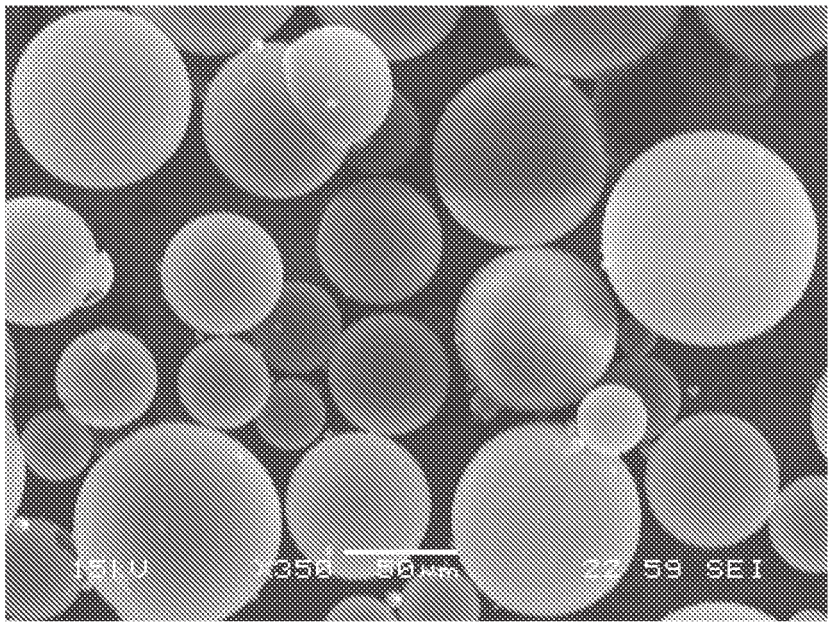
[Fig. 1]

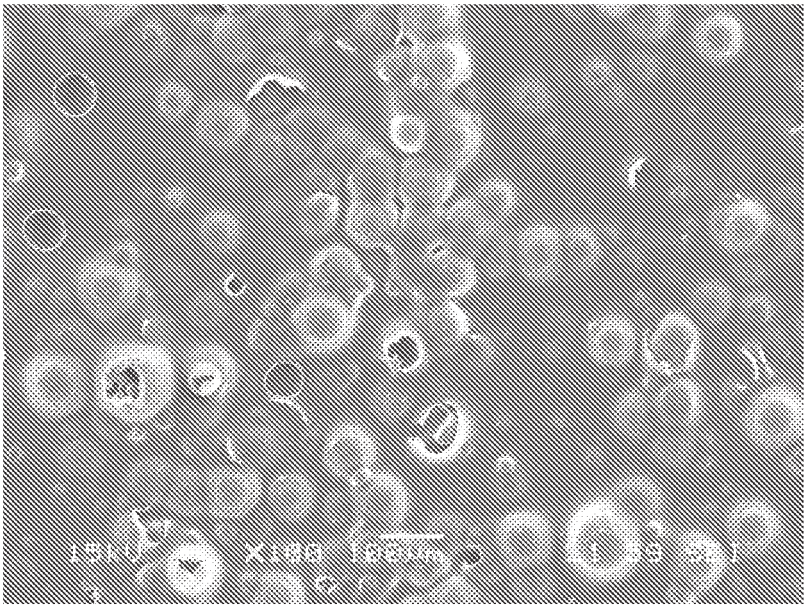


[Fig. 2]

(a)

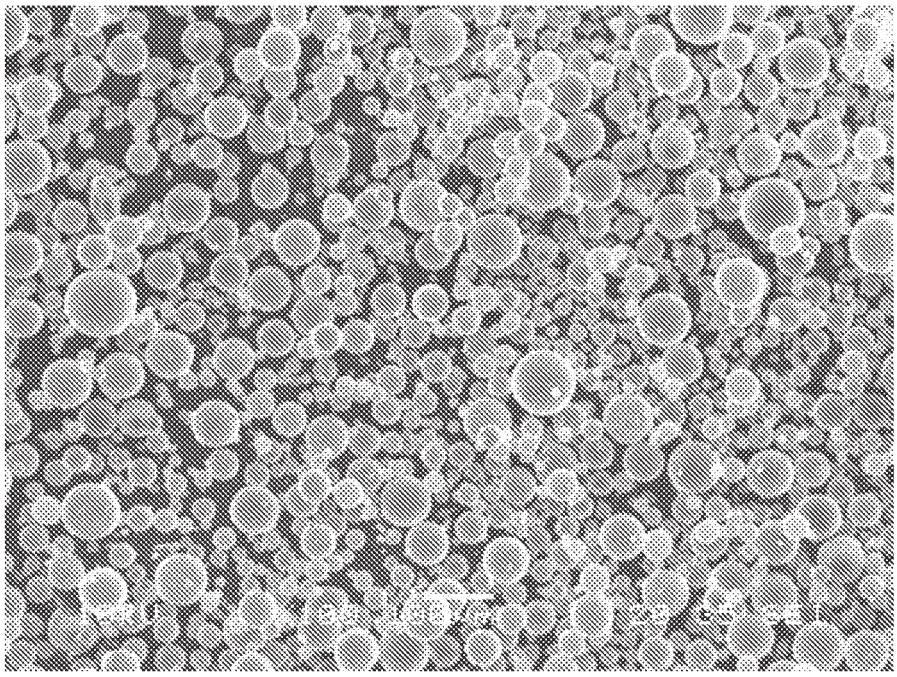


(b)



[Fig. 3]

(a)



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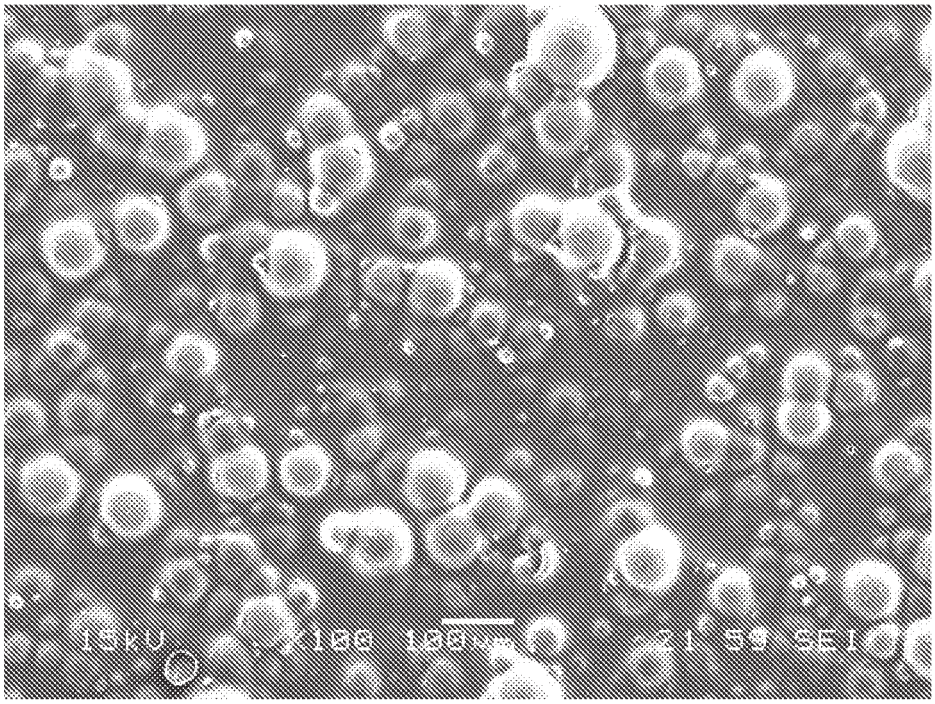
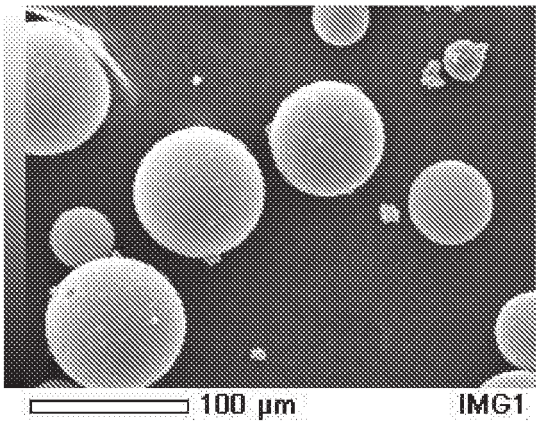


[Fig. 4]

(a)



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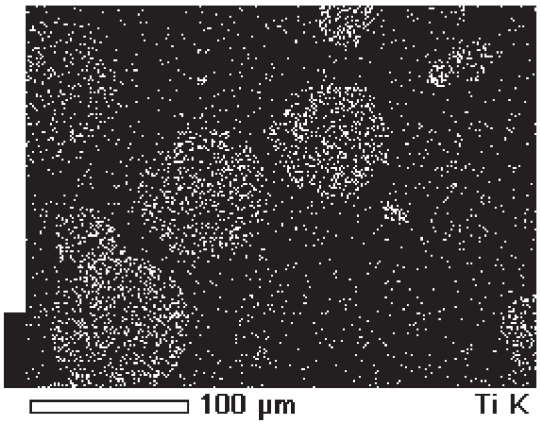
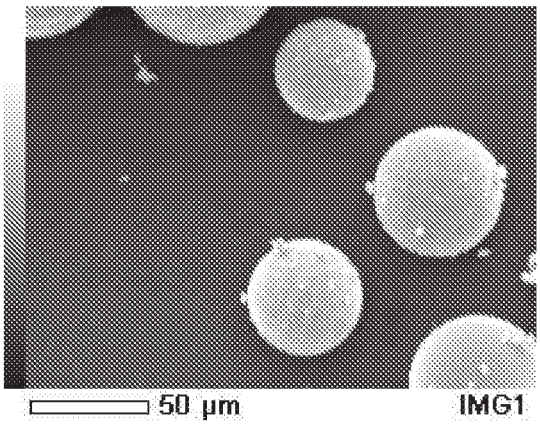
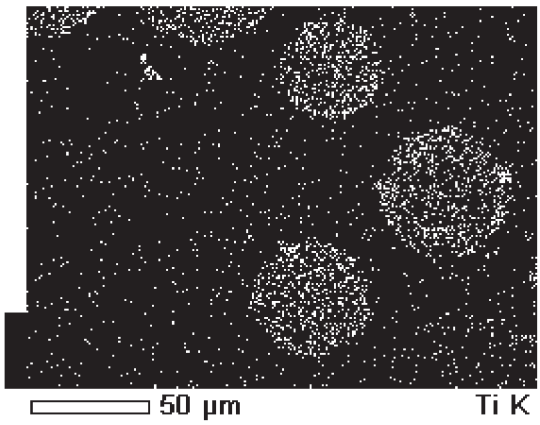


(c)

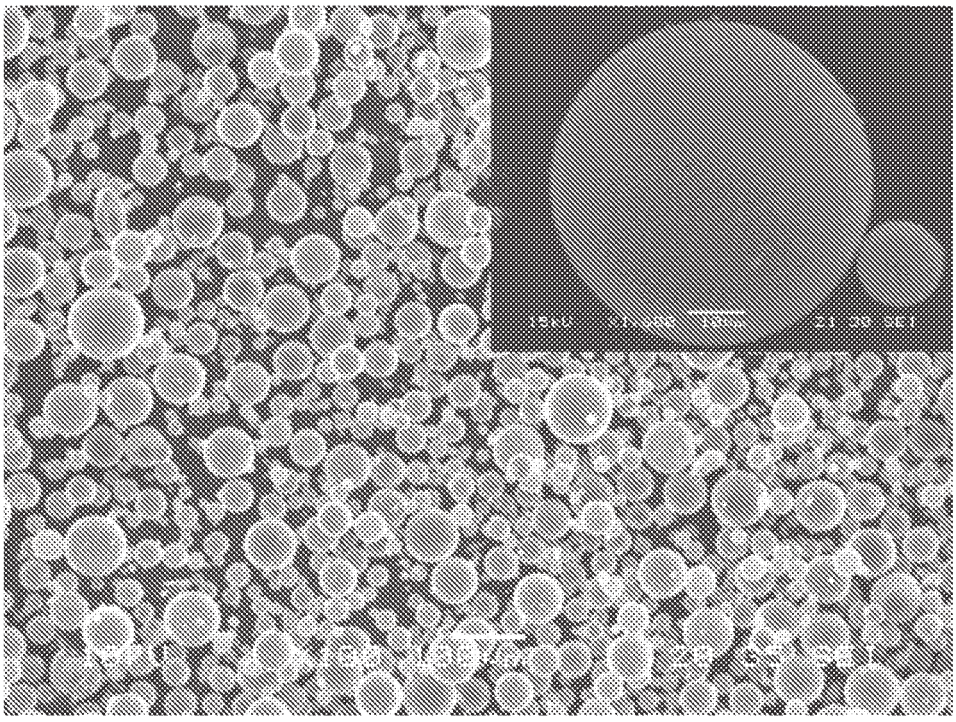


(d)



[Fig. 5]

(a)



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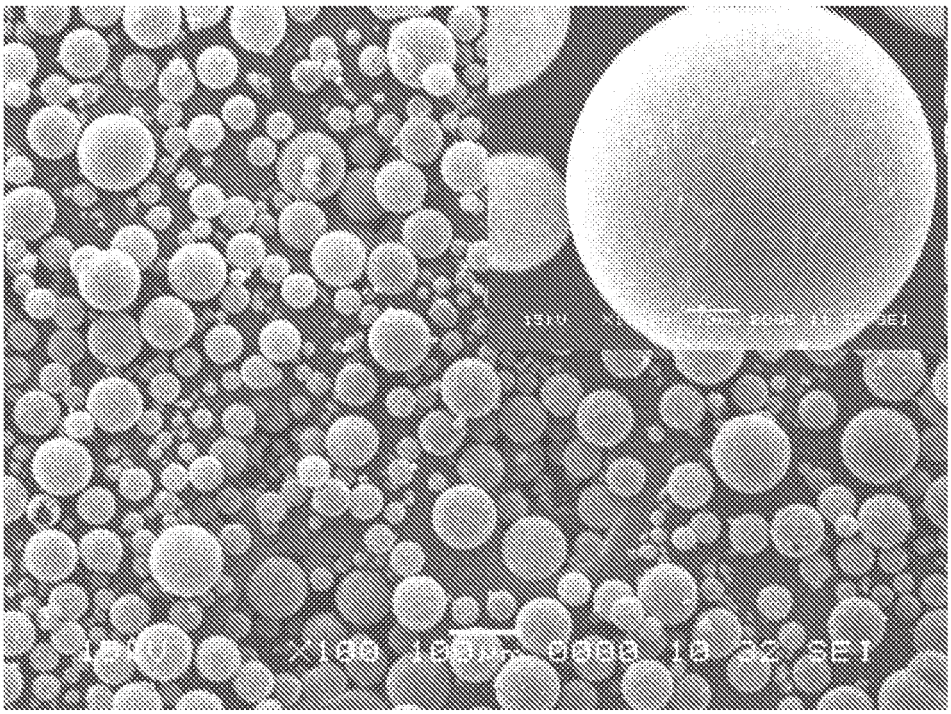
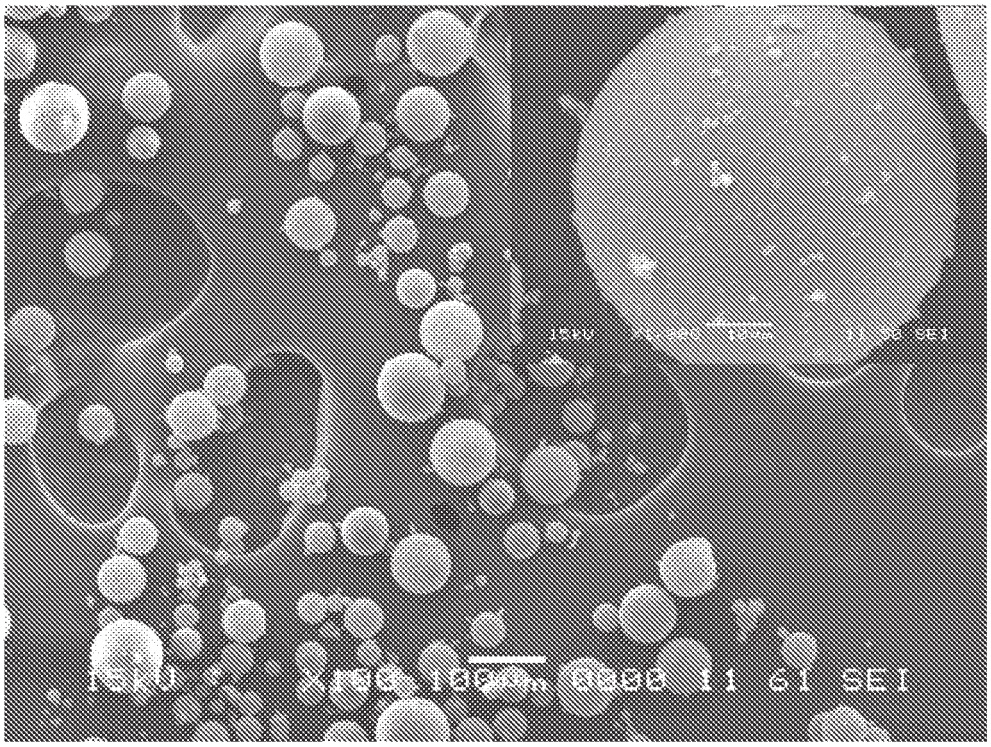


[Fig. 5]

(c)



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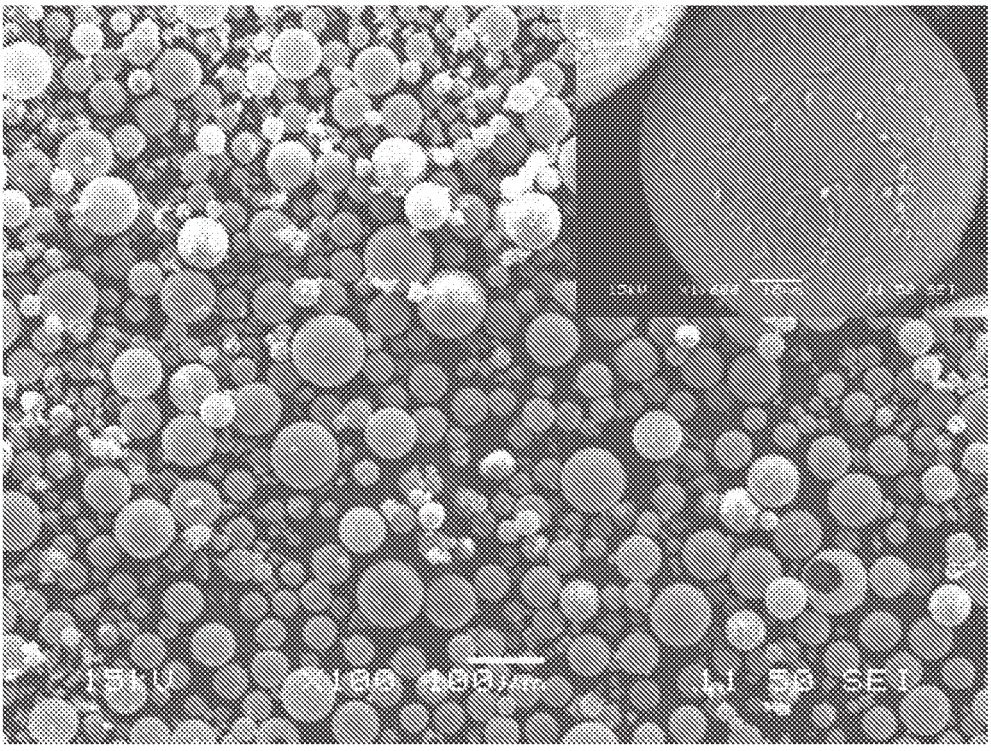
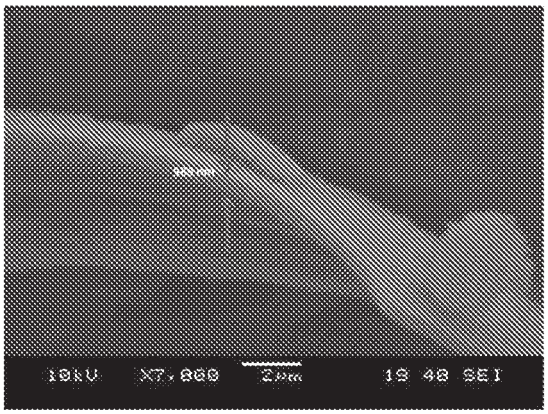


[Fig. 6]

(a)



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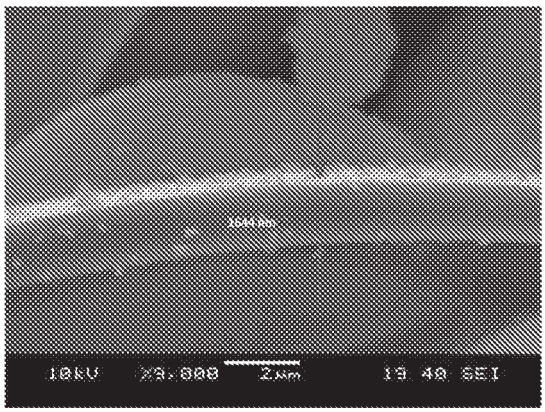

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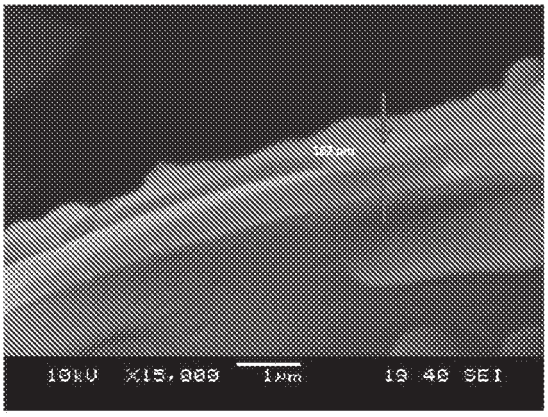

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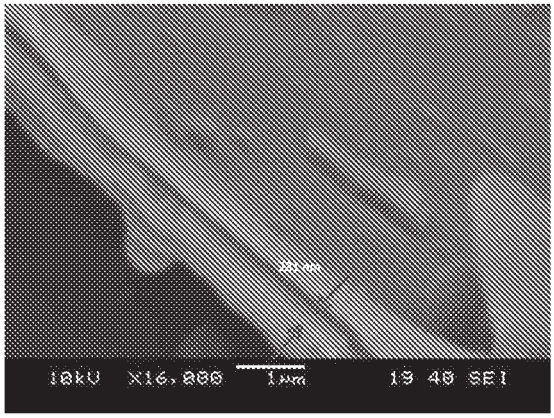
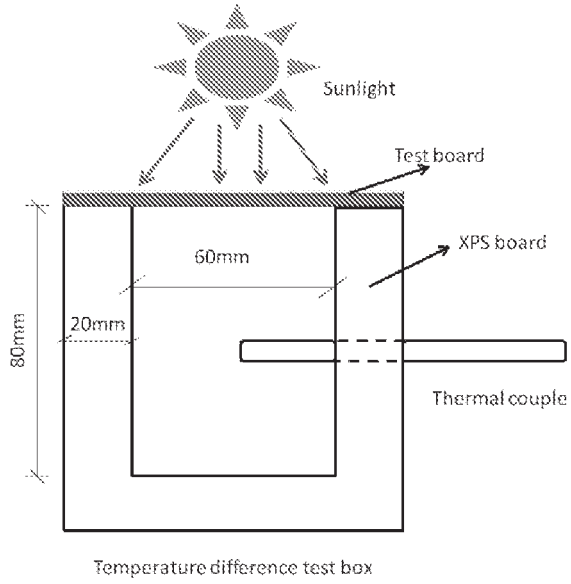
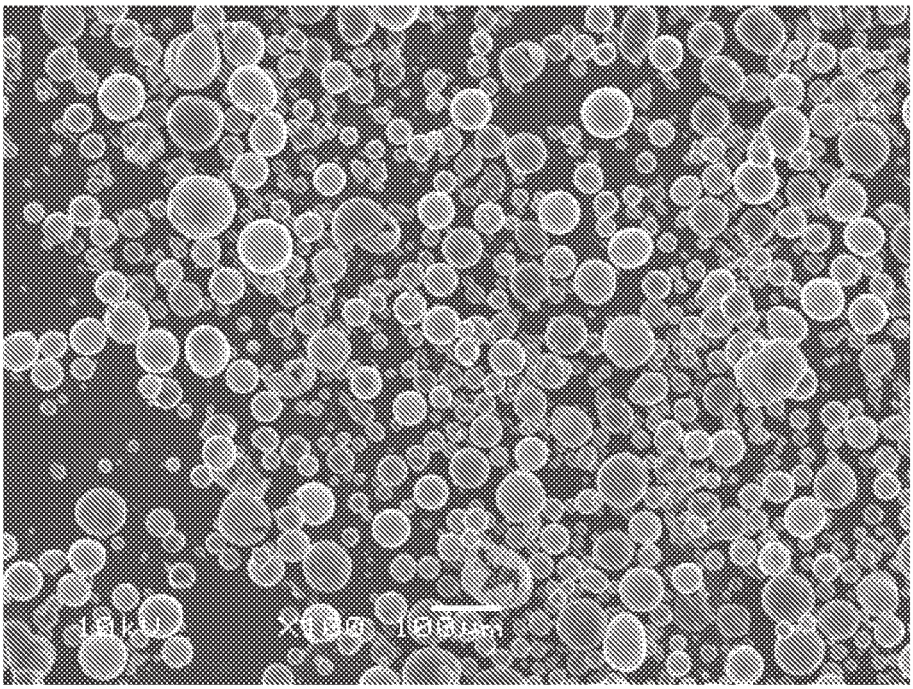


[Fig. 7]



[Fig. 8]

(a)



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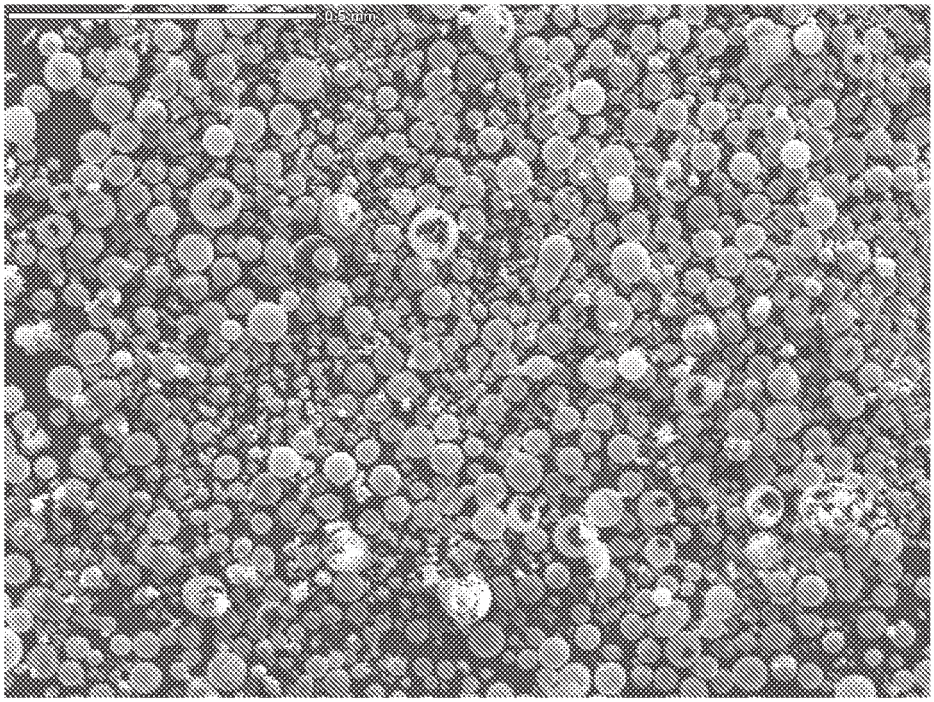
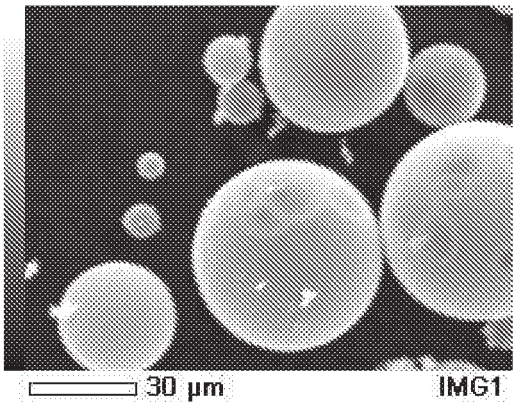


[Fig. 9]

(a)



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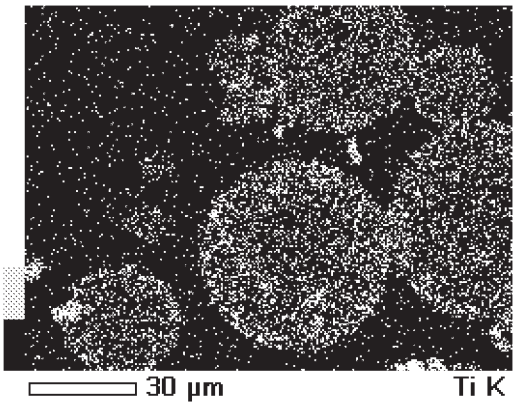
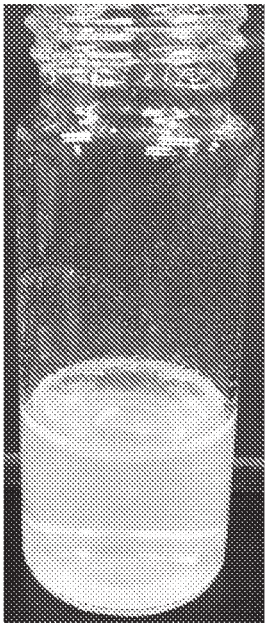


[Fig. 10]

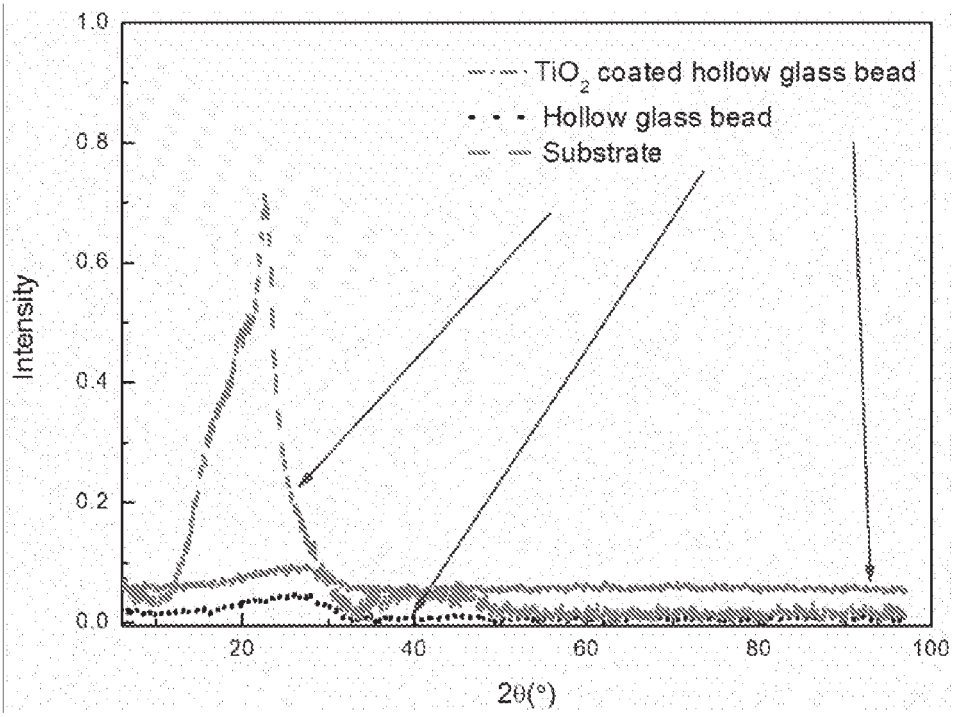
(a)



(b)



[Fig. 11]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Hollow glass bead
Substrate