

## Supporting Information of article

### Glycerol Oxidation over Supported Gold Catalysts: The Combined Effect of Au Particle Size and Basicity of Support

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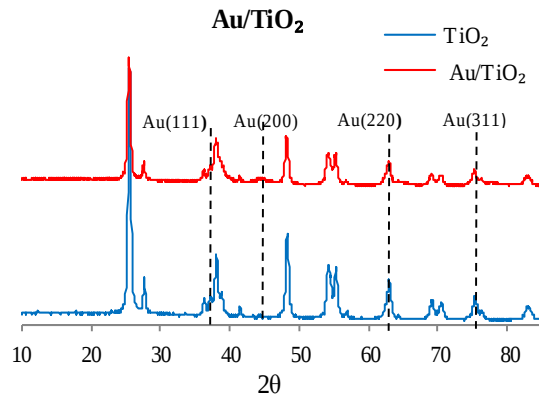
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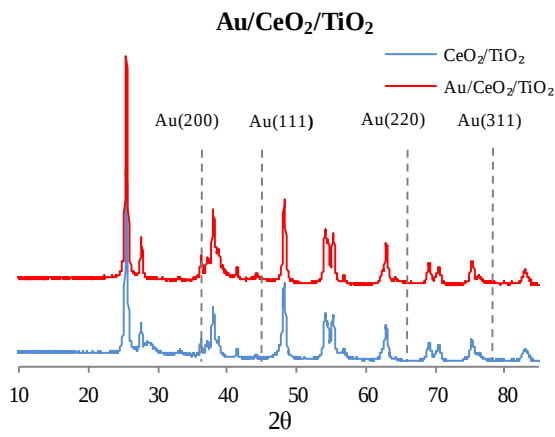
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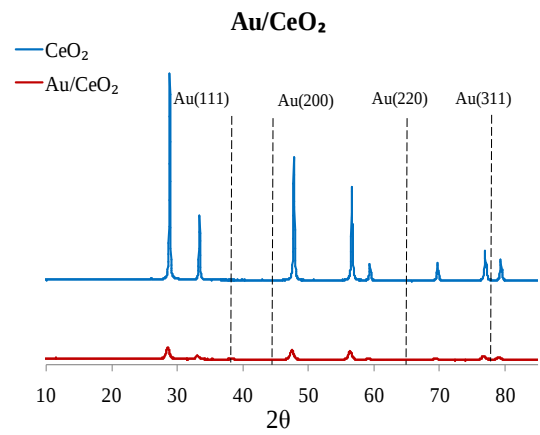
\* Correspondence: pestryakov2005@yandex.ru (A.P.)



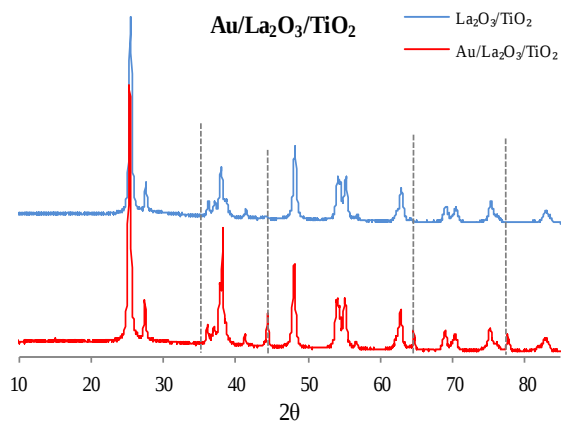
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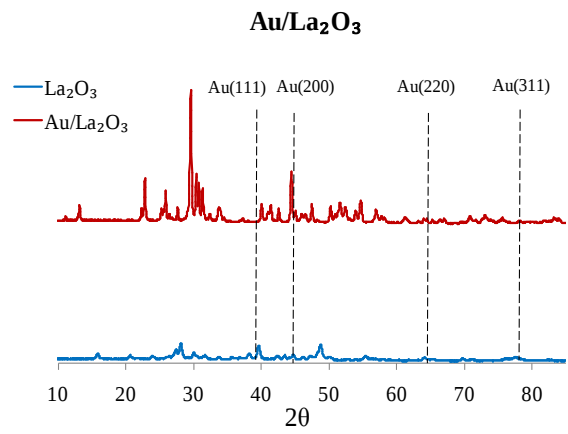
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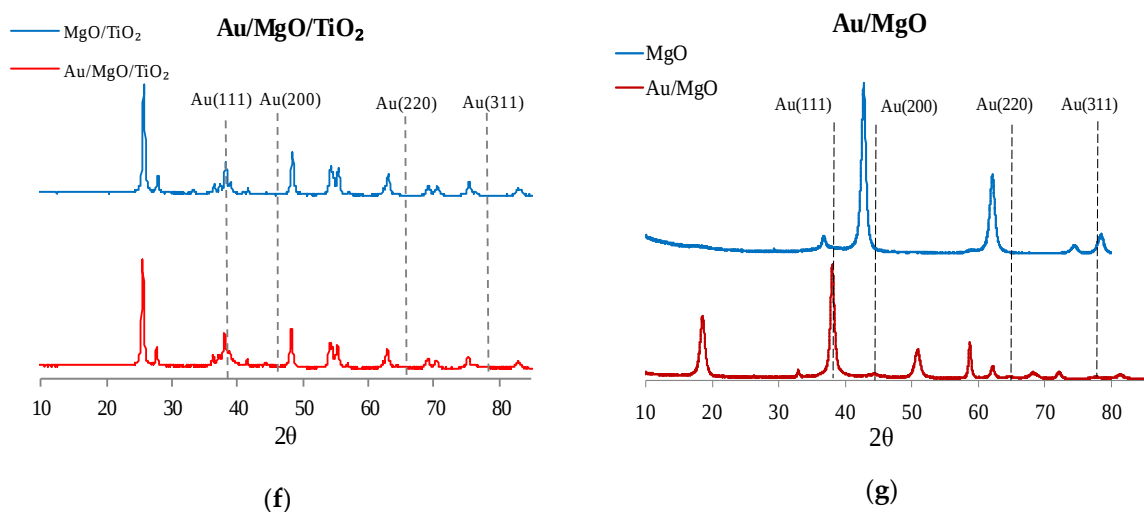
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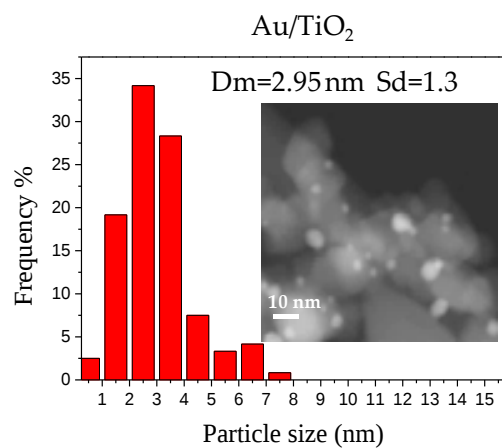
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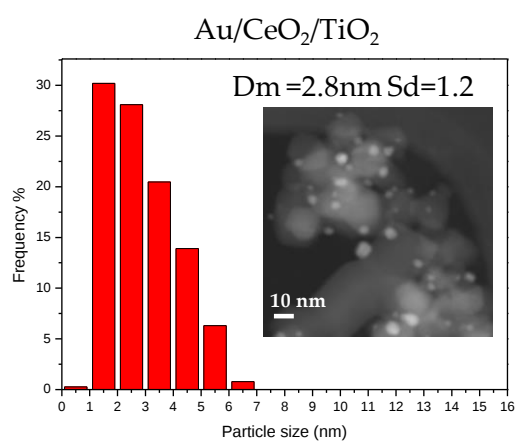
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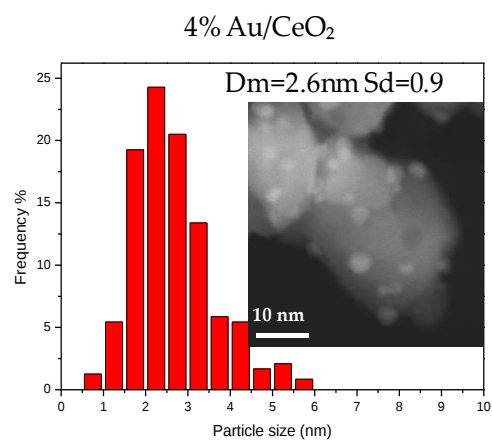
**Figure 1.** XRD patterns for different catalysts and their corresponding supports: (a) – (e) from [38], (f) from [37], (g) reprinted from Ref. [42], Copyright (2020), with permission from Elsevier.



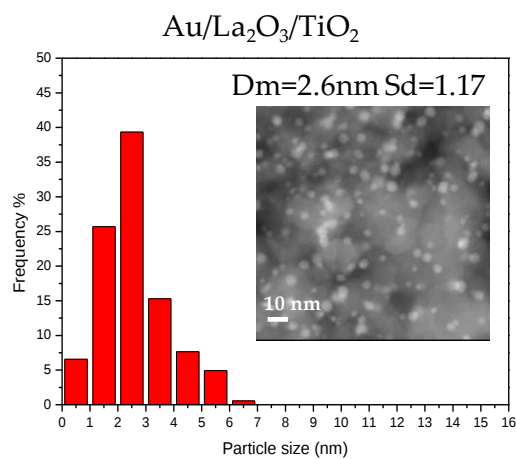
(a)



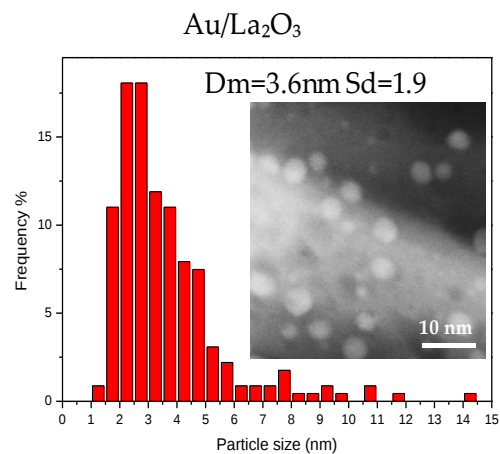
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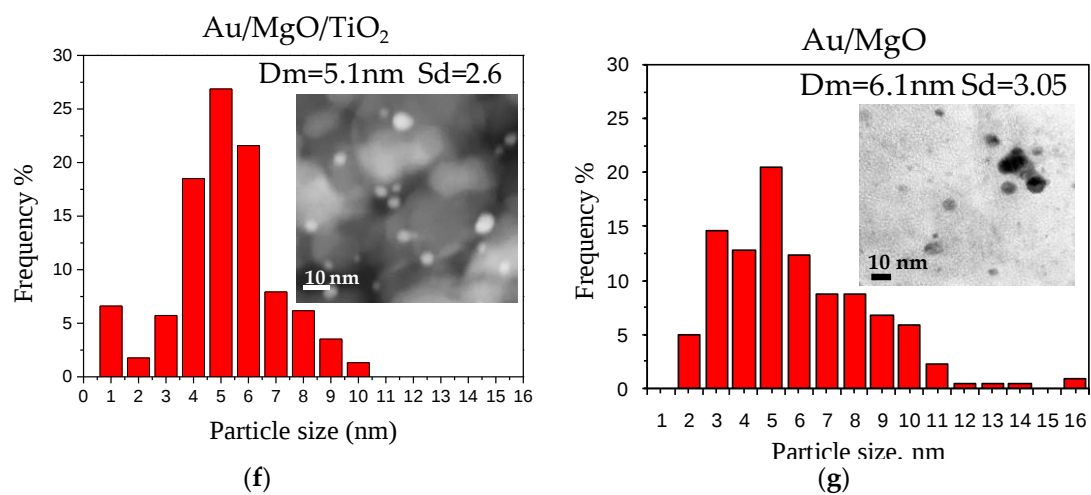
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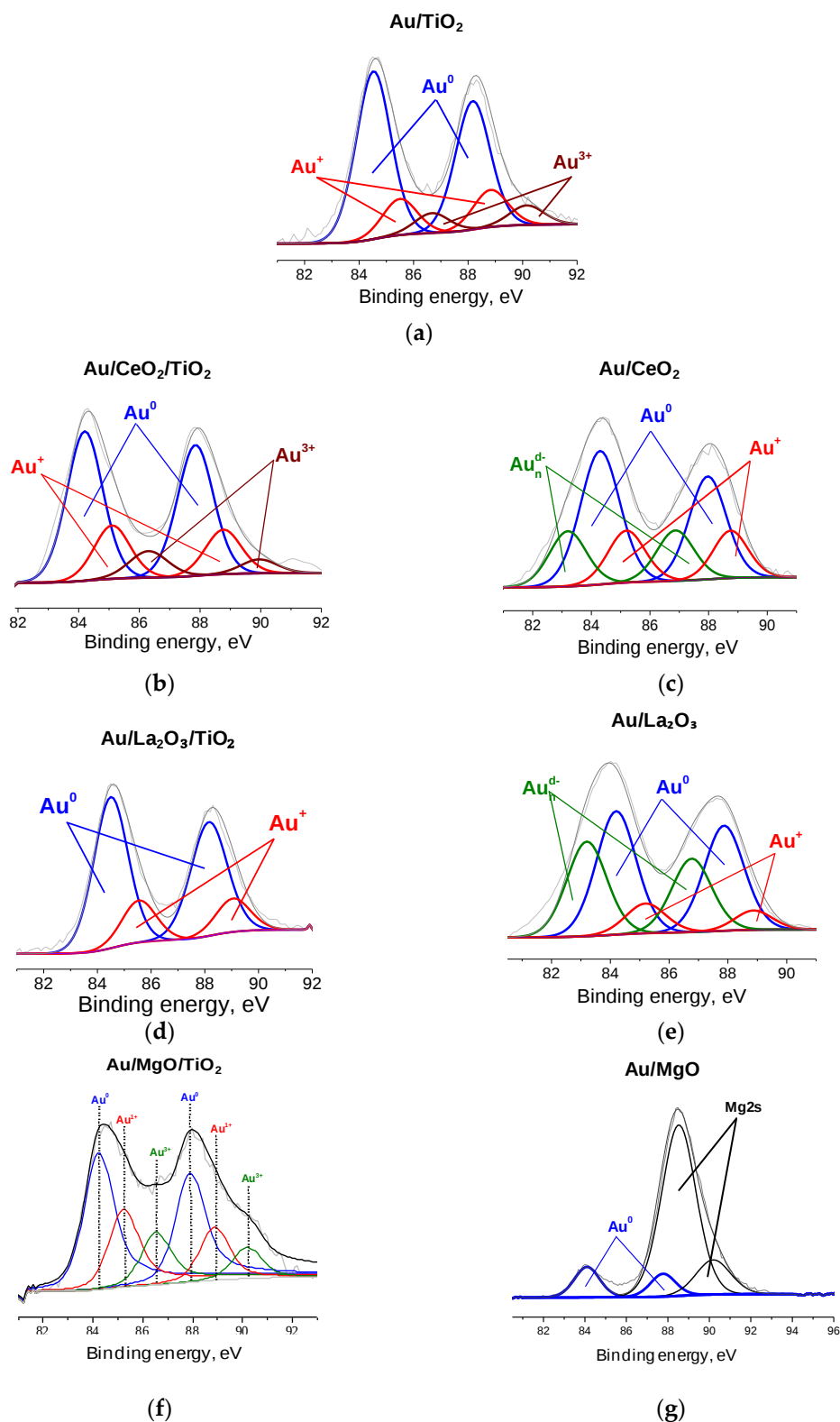
(d)



(e)



**Figure 2.** TEM images and particle size distributions of gold supported catalysts: (a) – (e) from [38], (f) from [37], (g) reprinted from Ref. [42], Copyright (2020), with permission from Elsevier.



**Figure S3.** XPS results from different catalysts: (a) – (e) from [38], (f) from [37], (g) reprinted from Ref. [42], Copyright (2020), with permission from Elsevier.