

**SHORT COMMUNICATIONS**

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**THE PROBLEM OF «YOUNG» HYPOGENIC GOLD IN THE URALS**

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Gold mineralization in the Urals is confined to the rock complexes of all geodynamic environments including postcollision tectono-magmatic activation (TMA). But only island arc and collision complexes are really (economic) auriferous. Some investigators believe that auriferous of TMA complexes is very high. This is a mistake and a reason for it is: these authors include gold deposits of collision and other environments in list of TMA gold objects.

Keywords: *gold mineralization, hypogene, hypergene, suturalzone, plate tectonics, displacement (horizontal), minerageny.*

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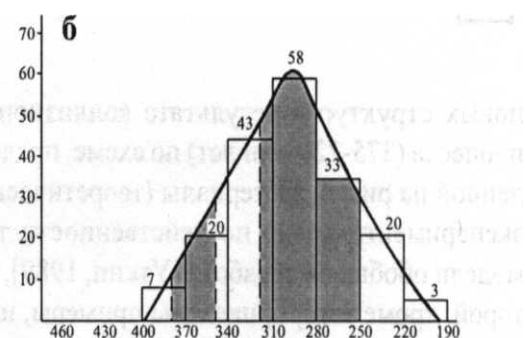
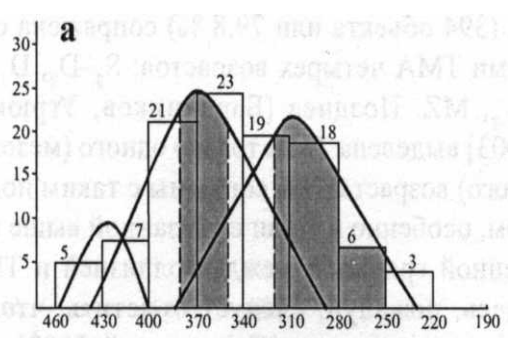
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 1996; ..., 1993; Koroteev  
 et al., 1997; Sazonov et al., 2001 .]:  
 (R<sub>2</sub>-O), (O<sub>1</sub> D<sub>2</sub>), , 2002].  
 (O<sub>2</sub>-S<sub>1</sub>),  
 (D<sub>1-2</sub>, C<sub>1-2</sub>) (375-350 ( . 3) , ( ) -  
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 [ , 1984] ; - [ ,  
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[ , 2002; , 1968].

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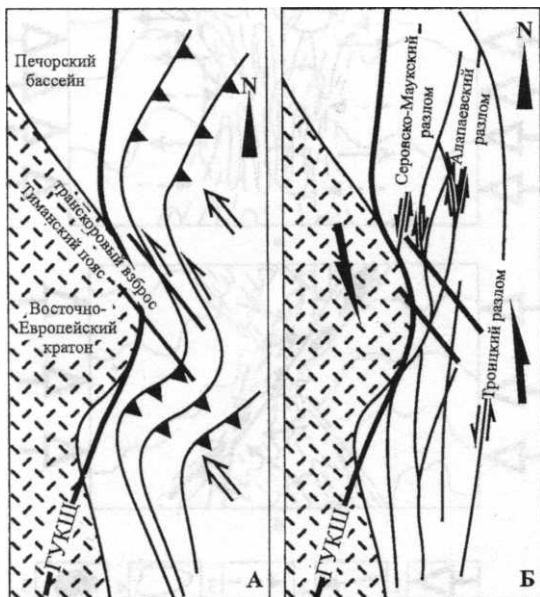
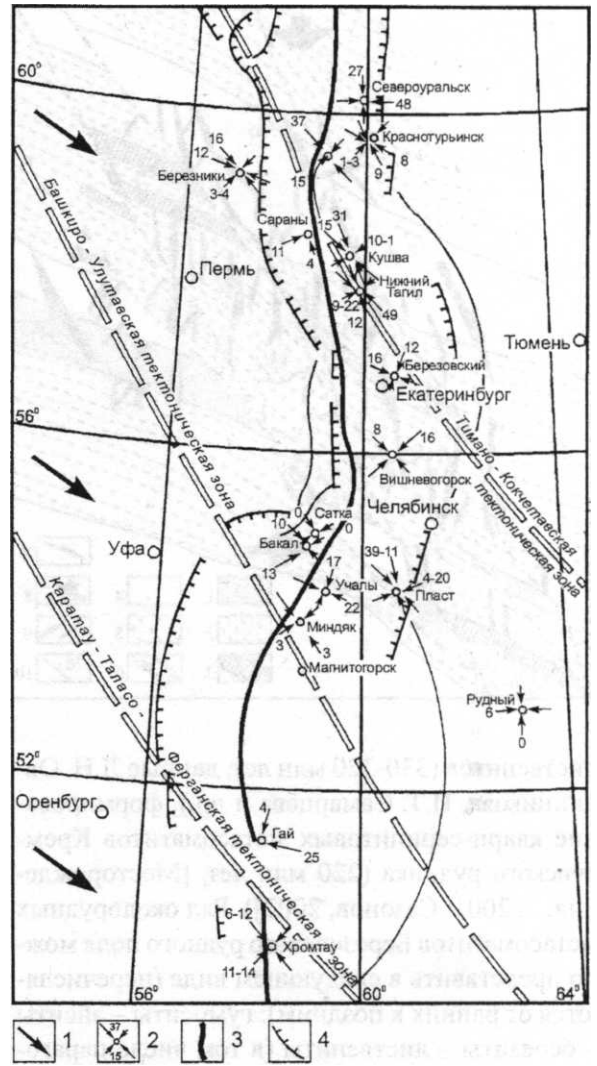
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100 : (350-355 , ..., 2001), [ , 2001),

4. « » ( - ) « » ( - ) [Sazonov et al, 2001] [Puchkov, 1997; Ivanov, 1998].



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1989] 1 - ; 2 - ; 3 - ; 4 - ; 5 - ; 6 - ; 7 - ; 8 - ; 9 - ; 10 - ( ) ( )

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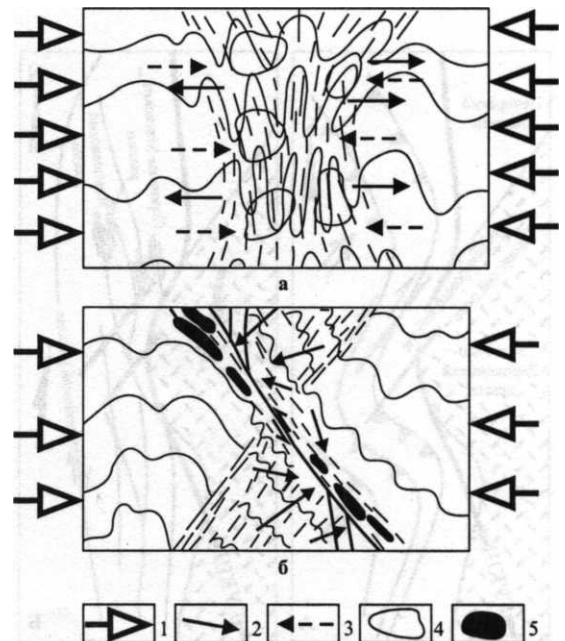
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[2003]

( ..., 1999 .), ( « » , 1, 1<sup>-</sup> ), .4, 5.

[ ..., 2001]), (230 ), « » ( « » )

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[ ..., 2001].

2.5 [ ( .2, 3) ; ( )],

1820- 1950- 1994; [ , 2003],

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1989. // 126-137.

1993. 2. // 151-160.

A.M.

2003. 5. // 6-23.

2003. 1. // 13-26.

1994. // 339. 4. 510-512.

1995. // 68-83.

1976. // 30-37.

1993. // 211.

B.C., // 135.

2002. // 3. // 3-18.

(1.6-0.2 . . . )

1998.253 .

1965. // 10. // 45-62.

1989. // 113.

2001. // 1. 50-61.

1996. // 4-10.

1993. 2. // 151-160.

A.M.

2003. 5. // 6-23.

2000. // 146.

1998. // 8. // 89-94.

1982.41 .

1995. // 68-83.

2001. // 2.

2002. // 138-140.

1996. // 167-176.

2003. // 69.

1969. // 296.

1989. // 166.

2002. // 108.

1994. // 6. // 27-50.

*Koroteev V.A., BoorderH., Necheukhin etal. Geodynamyc setting of the mineral deposits of the Urals // Tectonophysics. 1997. V. 216. P. 291-300.*

*Puchkov V.N. Structure and paleodynamics of the Uralian orogen // Orogeny rthrough time. Geol. Soc. Spec.Publ. L. 1997. 121. P. 201-234.*

*Sazonov V.N., HerkA.N., BoorderH Spatial and temporal distribution of gold deposits in the Urals // Econ.Geol. 2001. Vol. 96. P. 685-703.*

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