



**Name** Sergei Skuzovatov Postdoctoral Fellow  
史庫羅 博士後研究 (2017/09/11 - 2018/07/26)

**Tel.:** +886-2-2783-9910

**Fax.:** +886-2-2783-9871

**E-mail:** [skuzovatov@earth.sinica.edu.tw](mailto:skuzovatov@earth.sinica.edu.tw)

**Research interests:** Geochemistry; Isotope geochemistry;  
Metamorphic petrology

### Education:

B.Sc., 2003-2007, Novosibirsk State University (NSU), Geology & Geophysics Department (Novosibirsk, Russia), Major in Geochemistry;

M.Sc., 2007-2009, Novosibirsk State University (NSU), Geology & Geophysics Department (Novosibirsk, Russia), Major in Petrology;

Ph.D., 2009-2012, Novosibirsk State University (NSU) & Institute of Geology and Mineralogy (IGM SB RAS) (Novosibirsk, Russia). Graduated as Doctor of Philosophy in Geology and Mineralogy.

### Working experience

2006-2012, Research Assistant, Institute of Geology and Mineralogy (IGM), Russian Academy of Sciences, Siberian Branch (Novosibirsk, Russia);

2010-2012, Professor Assistant (part-time), Geology & Geophysics Department, Novosibirsk State University (GGD NSU) (Novosibirsk, Russia);

2012 – present, Senior Research Associate, Institute of Geochemistry (IGC), Russian Academy of Sciences, Siberian Branch (Irkutsk, Russia);

2017-2018, Postdoctoral Researcher, Institute of Earth Sciences, Academia Sinica (Taipei, Taiwan)

### Peer-reviewed publications

Skuzovatov, S.Yu., Wang, K.-L., Dril, S.I., Iizuka, Y., Lee, H.-Y. Geochemistry, zirconology and tectonic implications of “hot” metasedimentary sequences of the South Muya block, northeastern Central Asian Orogenic Belt. *Precambrian Research*, in prep.

Zedgenizov, D.A., Skuzovatov, S.Yu., Griffin, W.L., Ragozin A.L., Kalinina, V.V. Composition and evolution of diamond-forming fluids: insights from cloudy, coated and cubic diamonds from the Nyurbinskaya kimberlite pipe (Siberian craton). In prep.

Sun, J., Kostrovitsky, S.I., Tappe, S., Liu, C.-Z., Skuzovatov, S.Yu., Matsyuk, S., Wu, F.-Y. Mantle sources of kimberlites through time: a U-Pb and Lu-Hf isotope study of zircon megacrysts from the Siberian diamond fields. *Chemical Geology*, under review.

Skuzovatov, S.Yu., Shatsky, V.S., Dril, S.I. Geochemistry and whole-rock Nd-Sr-O isotope composition of eclogites and associated rocks from the Zamtyin-Nuruu area (SW Mongolia): crustal contribution and relation to Neoproterozoic subduction-accretion events. *Journal of Asian Earth Sciences*, under review.

- Shatsky, V.S., Skuzovatov, S.Yu., Ragozin, A.L., Dril, S.I. The nature of protolith for the Kokchetav massif eclogites (Kazakhstan): geochemical and isotopic evidence. *Doklady Earth Sciences*, submitted.
- Dril, S.I., Noskova Yu.V., Wang K.-L., Belyaev, V., Skuzovatov, S.Yu., Grigoriev D.A., Belkov D.A., 2017. Geochronology and Sr-Nd isotope geochemistry of Late Paleozoic collisional granitoids of Undinsky complex (Eastern Transbaikalia region). *Geodynamics & Tectonophysics* 8(3), 455-459. 10.5800/GT-2017-8-3-0261
- Skuzovatov, S.Yu., Noskova, Yu.V., Dril, S.I., Wang, K.-L., Iizuka, Y., 2017. Geochemistry, zircon U-Pb geochronology, Nd-Hf isotopic characteristics and tectonic implications of the South Muya block metasediments (northeastern Central Asian Orogenic Belt). *Geodynamics & Tectonophysics* 8(3), 565-568. 10.5800/GT-2017-8-3-0292
- Skuzovatov, S.Yu., Zedgenizov, D.A., Rakevich, A.L., 2017. Spectroscopic constraints on growth of Siberian mixed-habit diamonds. *Contributions to Mineralogy and Petrology* 172(6):46. 10.1007/s00410-017-1366-9
- Skuzovatov, S.Yu., Shatsky, V.S., Dril, S.I., 2017. High-pressure mafic granulites of the South Muya block (Central Asian Orogenic Belt). *Doklady Earth Sciences* 473(2), 423-426. 10.1134/S1028334X17040067
- Chugaev, A.V., Budyak, A.E., Chernyshev, I.V., Shatagin, K.N., Oleinikova T.I., Tarasova, Yu.I., Skuzovatov, S.Yu., 2017. Sources of clastic material of the Neoproterozoic metasedimentary rocks of the Baikal-Patom belt, Northern Transbaikalia: evidence from Sm-Nd isotope data. *Geochemistry International* 55(1), 60-68. 10.1134/S0016702916120028
- Tarasova, Yu.I., Sotskaya, O.T., Skuzovatov, S.Yu., Vanin, V.A., Kulikova, Z.I., Budyak, A.E., 2016. Mineralogical and geochemical evidence for multi-stage formation of the Chertovo Koryto deposit. *Geodynamics & Tectonophysics* 7(4), 663-677. 10.5800/GT-2016-7-4-0227
- Skuzovatov, S.Yu., Zedgenizov, D.A., Howell, D., Griffin, W.L., 2016. Various growth environments of cloudy diamonds from the Malobotuoibia kimberlite field (Siberian craton). *Lithos* 265, 96-107. 10.1016/j.lithos.2016.04.013.
- Kostrovitsky, S.I., Skuzovatov, S.Yu., Yakovlev, D.A., Sun, J., Nasdala, L., Wu, F., 2016. Age of the Siberian craton crust beneath the northern kimberlite fields: insights to the craton evolution. *Gondwana Research* 39, 365-385. 10.1016/j.gr.2016.01.008.
- Budyak, A.E., Goryachev, N.A., Skuzovatov, S.Yu., 2016. Geodynamic background for large-scale mineralization in the southern environs of the Siberian craton in the Proterozoic. *Doklady Earth Sciences* 470(2), 1063-1066. 10.1134/S1028334X1610010X
- Skuzovatov, S.Yu., Wang, K.-L., Shatsky, V.S., Buslov, M.M., 2016. Geochemistry, zircon U-Pb age and Hf isotopes of the North Muya block granitoids (Central Asian Orogenic belt): constraints on petrogenesis and geodynamic significance of felsic magmatism. *Precambrian Research* 280, 14-30. 10.1016/j.precamres.2016.04.015.
- Skuzovatov, S.Yu., Sklyarov, E.V., Shatsky, V.S., Wang, K.-L., Kulikova, K.V., Zarubina, O.V., 2016. Granulites of the South-Muya block (Baikal-Muya Foldbelt): age of metamorphism and nature of protolith. *Russian Geology and Geophysics* 57(3), 451-463. 10.1016/j.rgg.2016.03.007.
- Shatsky, V.S., Skuzovatov, S.Yu., Ragozin, A.L., Sobolev, N.V., 2015. Element mobility in continental subduction zones: Evidence from the Kokchetav massif UHP-complex. *Russian Geology and Geophysics* 56(7), 1016-1034. 10.1016/j.rgg.2015.06.004.
- Shatsky, V.S., Malkovets, V.G., Belousova, E.A., Skuzovatov, S.Yu., 2015. Evolution history of the Neoproterozoic eclogite-bearing complex of the Muya dome (Central Asian Orogenic Belt): constraints from zircon U-Pb age, Hf and whole-rock Nd isotopes. *Precambrian Research* 261, 1-11. 10.1016/j.precamres.2015.01.013.

Skuzovatov, S.Yu., Zedgenizov, D.A., Rakevich, A.L., Shatsky, V.S., Martynovich, E.V., 2015. Multiple growth events in diamonds with cloudy microinclusions from the Mir kimberlite pipe: evidence from the systematics of optically active defects. Russian Geology and Geophysics 56(1-2), 330-343. 10.1016/j.rgg.2015.01.024.

Shatsky, V.S., Skuzovatov, S.Yu., Ragozin, A.L., Dril, S.I., 2014. Evidence of Neoproterozoic continental subduction in the Baikal-Muya Fold belt. Doklady Earth Sci. 459(1), 1442-1445. 10.1134/S1028334X14110166.

Skuzovatov, S.Yu., Zedgenizov, D.A., Ragozin A.L., Shatsky, V.S., 2012. Growth medium composition of coated diamonds from the Sytykanskaya kimberlite pipe (Yakutia). Russian Geology and Geophysics 53(11), 1197-1208. 10.1016/j.rgg.2012.09.006.

Skuzovatov, S.Y., Zedgenizov, D.A., Shatsky, V.S., Ragozin, A.L., Kuper, K.E., 2011. Composition of cloudy microinclusions in octahedral diamonds from the Internatsional'naya kimberlite pipe (Yakutia). Russian Geology and Geophysics 52(1), 85-96. 10.1016/j.rgg.2010.12.007.