

**List of published scientific papers of the teaching staff for the 2016-2021 academic year**

No.	Name of scientific work	Name of publisher, journal (number, year)	Number of pages (pl.)	Surnames of authors and co-authors
<b>1. Articles and reports</b>				
<b>1.1. Published in the Republic of Kazakhstan</b>				
1.	The intrusive nature of the Logar ultramafic massif in Afghanistan	Bulletin of KazNITU . - 2019. - Almaty. - No. 4 (134), 2019. - P. 3-9	6	Yusufi A. Bekbotaeva A.A. Mushinsky A.
2. 1	О космогеологических методах прогноза новых перспективных площадей на закрытых территориях	Труды Карагандинского технического университета, №4 (85) 2021, DOI 10.52209/1609-1825_2021_4_147. – С. 147-153.	6	Байбатша А.Б., Шайыяхмет Т.К., Муратханов Д.Б., Шихов Д.Э.
3. 2	Минералого-петрографические особенности руд месторождения Коскудук	Вестник КарГТУ, Караганда 2022, С.116-123.	7	Асубаева С.К., Бирюлин Р., Хамзина Б.Е., Омарова Г.М.
4. 3	3D моделирование в решении задач геомеханики	Маркшейдерия и недропользование. № 1(117), январь-февраль, 2022. – С. 49-51. ISBN 2079-3332.	3	Байбатша А.Б., Шайыяхмет Т.К. Муратханов Д.Б., Шихов Д.Э.
5.	Future of the geological structure of the Kagshyga copper ore deposit	Mining Journal of Kazakhstan, No 4, 2020. - С.19-25	5	Aytkaliyeva A. Bekbotaeva A.A.
6.	Promising areas of predictive and prospecting work on the territory of the Greater Altai	Big Altai is a unique rare-metal gold-polymetallic province of Central Asia. Materials of the working meeting. Almaty, 2019	6	Dyachkov B.A. , Mizernaya M.A., Zhunusov A.A., and others
7.	Gold-sulfide deposits in the black shale formations of East Kazakhstan are a promising source of precious metals	Earth sciences and geographical sciences "Bulletin of the EKSTU" No. 3, 2019	6	Mizernaya M.A. Dyachkov B.A. Zhunusov A.A. and others

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8.	Mineral composition and structural features of the main minerals of host rocks and samples of ores of various types of some gold-bearing deposits of Kazakhstan	Izvestia magazine National Academy of Sciences	10	Kokkuzova M. Slyussarev A. Bekenova G.
9.	Prospects of Remote Sensing for the Prediction of Mineral Deposits in Kazakhstan	2ND CONFERENCE OF THE ARABIAN JOURNAL OF GEOSCIENCES (CAJG) 2019	4	Mamanov E.Zh. _ Baibatsha A . Kembayev M.
10.	Geological structure and geodynamics of the arganata region and its ore-controlling prerequisites	Bulletin of KazNTU named after KI Satpaev . Almaty , 2019. No. 3	8	Mamanov E.Zh. Baibatsha A.B. Ibraev K.O. Tikembaev B.A.
11.	Forecast of promising areas based on the study of hydrothermal-metasomatic complexes	Proceedings of the University. RSCE Karaganda State Technical University, 2019	3	Mamanov E.Zh. Baibatsha A.B. Omarova G.M. Satibekova S.B.
12.	Actual and problematic topics of development and maintenance of the mineral resource base of uranium in Kazakhstan and associated useful components.	Geology and subsoil use of Kazakhstan, No. 4 (7), 2019, - P. 41-43	3	Mendygaliyev A.A.
13.	Actual directions of development of the provided geological information for the opening and mining of uranium ores by the method of underground well leaching and their role in the development of deposits	Geology and subsoil use of Kazakhstan, No. 3 (6), 2019, - P. 30-33	4	Mendygaliyev A.A.
14.	Digitalization and a new approach to 3D modeling of ore deposits	Materials of the round table "Digitalization of industry - the basis of the fourth industrial revolution", Almaty, 2018. p.37-42	5	Asubayeva S.K. Kembaev M.K.
15.	Zoning and mineral composition of ore-controlling metasomatites of the Kokkiya gold field	BULLETIN of KazNITU №2. April, 2018.	8	Baibatsha A.B. Omarova G.M. Kasanova A.T.
16.	Features of the material composition of the	Scientific journal "Bulletin of EKSTU"	10	Baibatsha A.B.

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	ores of the Kokkiya deposit	ISSN: 1561 - 4212. No. 1 (78). March, 2018		Omarova G.M. Dyusembayeva K.Sh. Bulegenov K.
17.	Forecast of promising areas based on the study hydrothermal-metasomatic complexes	Scientific journal "Bulletin of KSTU", ISSN: no. 3, September 2018, P.71-75	5	Baibatsha A.B. Mamanov E.Zh. Omarova G.M. Satibekova S.
18.	The current state and problems of the mineral resource base of Kazakhstan	Almaty, Bulletin of KazNITU , Earth Sciences, 2018. No. 3, (127), p. 3-10	7	B.M. Rakishev , A.A. Zhunusov, Ya.K. Arshamov
19.	Forecasting the Stability of Rocks of the Roof of Coal Seams in Stopping Workings Based on Geological Exploration Data Kazakhstan,	Almaty. ISBN 2227-4766 ISSN 2227-4766.// Mining Journal of Kazakhstan, No. 2, 2018, pp. 23-29.	6	Baibatsha A.B.
20.	Facies types and lithogenetic composition of coal suites of the Karaganda basin	Bulletin of KazNITU them. K.I. Satpaeva , No. 2, 2018. P. 24-30 // ISSN 1680-9211.	6	Baibatsha A.B.
21.	The role of three-dimensional models of the field and the thermodynamic conditions of its formation in the allocation and assessment of the resources of promising areas	Almaty, Bulletin of KazNITU . no. 6 (130). Almaty, 2018.- P.3-9.	6	Asubayeva S.K. Kembaev M.K.
22.	Petrophysical model of the Syrymbet ore field	Bulletin of the Kazakh-British Technical University. Volume 15, Issue 4, 2018, pp. 101-110.	9	Asubayeva S.K. Kembaev M.K.
23.	Geological and structural features of location and conditions of formation of uranium ores of the Tortkuduk deposit	Bulletin of KazNITU , no. 6 (130) C. 10-14	6	Kembaev M.K.
24.	Assessment of the physical and mechanical properties of coal-bearing rocks of the Karaganda basin according to geological and	Bulletin of KazNITU , Almaty, 2019, no. 2,	5	Baibatsha A.B., Satibekova S.B.

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	geophysical data /			
25.	Petrophysical model of the Shok-Karagai deposit and the formation of cartographic layers to identify ore-controlling factors of rare earth mineralization	Materials of the round table on the topic: “Innovations are a key factor in the development of the MMC” C.42-47	5	L.D. Isaeva, S.K. Asubaeva , K.S. Togizov , M.K. Kembaev
26.	The use of digital information technology to allocate promising areas within the Shok-Karagay field Digitalization and a new approach to 3D modeling of ore deposits	Materials of the round table on the topic: “Innovations are a key factor in the development of the MMC” C .42-47	7	L.D. Isaeva, S.K. Asubaeva , K.S. Togizov , M.K. Kembaev
27.	On a single mantle source of Paleozoic igneous formations in the Kyrgyz-Terkey geosuture zone	Materials of the round table on the topic: “Innovations are a key factor in the development of the MMC”, Almaty, 2018, p. 35-42	5	Asubayeva S.K. Kembaev M.K.
28.	On a single mantle source of Paleozoic igneous formations in the Kyrgyz- Terkey geosuture zone	VESTNIK KazNITU №5. 2017.	8	Baibatsha A.B. Omarova G.M.
29.	Zoning and mineral composition of ore-controlling metasomatites of the Kokkiya gold field	VESTNIK KazNITU №2. April, 2018.	8	Baibatsha A.B. Omarova G.M. Kasenova A.T.
30.	Features of the material composition of the ores of the Kokkiya deposit	Scientific journal Vestnik VKGTU ISSN: 1561 - 4212. No. 1 (78). March 2018	10	Baibatsha A.B. Omarova G.M. Dyusembayeva K.Sh. Bulegenov K.
31.	Features of albitites and metasomatites of the Verkhneespinsk deposit	Scientific journal Vestnik KazNITU , Almaty ISSN: 1680 - 9211. No. 6 November 124 (2017), 3-7	5	Baisalova A.O.
32.	New data on narsarsukite and its replacement products	Scientific journal Vestnik VKGTU ISSN: 1561 - 4212. No. 4(78). December 2017, 3-9	7	Baisalova A.O.
33.	Prospective gold-bearing Bakyrshik type in	Bulletin of KBTU, Volume 14, Issue 4, 2017	11	K.Sh.

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	black shale strata and regularities of its formation			Dyusembayeva , Z.T. Umarbekova , K. Bulegenov A. Dolgopolova, Seltman Raymore
34.	Quartz-adularia gold-silver ( Arkharlin ) type in volcanic strata	Bulletin of KazNITU No. 1, 2018	6	Umarbekova Z.T., K. Bulegenov Gadeev R.R.
35.	Garnet as a carrier of rare earth mineralization in the Irtysh shear zone in East Kazakhstan.	Magazine "Mineralogy" g. Miass , 2016, no. 2, pp. 53-59	6	Ermolov P.V., Bekenova G.K., Musina E.V., Levin V.L.
36.	Identification of predictive and promising areas based on the study of metamorpho-metasomatic complexes.	Bulletin of KazNITU . no. 5, 2016. - p. 3-9.	6	Baibatsha A.B.
37.	Results of a laboratory study of samples from mapping drilling at the Borgezsay tailing dump (Zhezkazgan)	Bulletin of KazNITU . no. 6, 2016. - p. 3-9.	6	Baibatsha A.B. Dyusembayeva K.Sh., Bekbotaeva A.A.
38.	Modernization of the integrated measuring system for processing data from thick-layer photographic emulsions	“Proceedings of the National Academy of Sciences of the Republic of Kazakhstan. Ser.geology and technical sciences. 2016, no. 4, P 85-92	8	Seitimbetov A.M., Gaitinov A.Sh., Slyusarev A.P., Bekenova G.K.
39.	Technological mineralogy of polymetallic pyrite ores and ways to improve the processes of their enrichment	Mining Journal of Kazakhstan, 2016, no. 5, from 7-12	6	Ospanova Zh.R., Stebenev V.M., Bekenova G.K., Zagainov V.G.
40.	On the possibility of establishing the stratotype of the boundary sediments of the Visean and Serpukhov stages of the Carboniferous system based on the foraminifers of Kazakhstan	Earth sciences in Kazakhstan. Almaty. - 2016. - S. 94-103.	8	Baibatsha A.B., Mustapaeva S., Zhaymina V.Ya , Belka J.

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41.	Potentially oil and gas bearing structures and Upper Paleozoic-Mesozoic complexes of the North Caspian Sea and its continental margin	Bulletin of KazNITU them. K.I. Satpaeva . 2016 No. _ 5.pp. _ _ 9-17	8	Seitov N. Tulegenova G.P.
<b>2. Textbooks and study guides</b>				
1.	Геология месторождений полезных ископаемых	Учебник. ISBN 978-601-352-163-3 Алматы: New Book, 2021. Т. I. – 168 с. Т. II. – 284 с.	Т. I. – 168 с. Т. II. – 284	Байбатша А.Б.
2.	Жалпы геология (Жер динамикасы)	Оқулық. ISBN 978-601-352-168-8. Алматы: Techsmith, 2021. Т. I. – 300 б. Т. II. – 204 б.	Т. I. – 300 б. Т. II. – 204	Байбатша Ә.Б.
3.	Палеонтология негіздері	Оқу құралы. ISBN 978-601-352-460-3. Алматы: New Book, 2021. – 323 б.	323	Байбатша Ә.Б. Мустапаева С.Н.
4.	Пайдалы қазба кенорындарының геологиясы	Оқулық. ISBN 978-601-352-169-5. Алматы: Эпиграф, 2021. Т. I. – 320 б. Т. II. – ... б.	320	Байбатша Ә.Б.
5.	Геология негіздері	Оқулық. ISBN 978-601-352-166-4. Алматы: Techsmith, 2021. Т. I. – 304 б. Т. II. – 440 б.	Т. I. – 304 б. Т. II. – 440	Байбатша Ә.Б.
6.	Метаморфтық таужыныстардың петрографиясы	Учебное пособие. КазНИТУ – Алматы, 2021.	86	Бекботаева А.А.
7.	Геоэкология.	ISBN 978-601-271-353-6. Алматы: ЭСПИ, 2022. – 384 б.	384	Байбатша А.Б.
8.	Кеніштік геология негіздері	Кеніштік геология негіздері: Оқу құралы. – Алматы: «ҚазҰТЗУ», 2022. – 92 бет. Сурет – 23. Библиографиялық тізім – 15 атау. ISBN 978-601-323-287-4	92 б.	Я.К. Аршамов М.К. Кембаев Е.Ж. Маманов
9.	Региональня геология	Региональная геология: Учебное пособие. Изд. 2-е., доп. – Алматы: КазНИТУ, 2022. – 160 с. – Ил. 22. Библиогр. – 14 назв. ISBN 978-601-323-299-7	160 б.	Н.С. Сеитов Я.К. Аршамов

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10.	Methods of geological mapping	Evero Publishing 2019		Zhunosov A.A.
11.	Geology of mineral deposits .	Textbook. Almaty, KazNITU , 2018. - 432 p.	432 p. 37 p.l. _	Baibatsha A.B.
12.	Geology of mineral deposits.	Publishing house of KazNITU named after K.I. Satpaeva , 2018. - 430 b.	430 b. 37 p.l. _	Baibatsha A.B.
13.	paleontology course .	Oku kыraly Study guide, ISBN 978-601-323-158-77 Almaty: . 2018.	214 b.	Baibatsha A.B., Mustapaeva S.N.
14.	Microscopy	Tutorial. Electronic, 2019	300 s.	Bekbotaev A.T., Bekbotaeva A.A.
15.	Petrography	Study guide, KazNITU 2019	330 p.	Bekbotaeva A.A.
16.	Application of GIS in geology	Publishing house of KazNITU named after K.I. Satpaeva	9 p.l	Asubayeva S.K.
17.	General and historical geology	Association of Universities	16 p.l. _	Mustapaeva S.N. Baibatsha A.B.
18.	Structural Geology , 2017	Association of Universities	9 p.l. _	Zhunosov A.A., Bekbotaeva A.A., Arshamov Ya.K.
19.	Crystallography and Mineralogy , 2017	Association of Universities	17 p.l. _	Dyusembaeva K.Sh., Kasanova A.T.
20.	Geology of Mineral Deposits»	Association of Universities	12 p.l. _	Baibatsha A . B .
21.	The basics of subsoil use (Fundamentals of subsoil)	Association of Universities	7 p.l. _	Asanov M.A., Zhunosov A.A.
22.	Geology of mineral deposits (kaz)	Publishing house of KazNITU named after K.I. Satpaeva	37 p.l. _	Baibatsha A.B.
23.	Geology of mineral deposits (rus)	Publishing house of KazNITU named after K.I. Satpaeva	37 p.l. _	Baibatsha A.B.
fifteen	Geochemistry. William M. White.	ZHShS RPBC "Daur", Volume I. – Almaty, 2018.	S. 362	Baibatsha A.B. Dalabaeva N.S.

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<b>3. Monographs</b>				
one	The digital model of the Syrymbet rare metal deposit (North Kazakhstan)	Agencja Wydawniczo-Poligraficzna GIMPO, 02-858 Warszawa, Transportowcow 11, Poland / Polska	in the oven	Issayeva LD Kembayev MK Togizov KS
2	The digital model of the Syrymbet rare metal deposit (North Kazakhstan)	Agencja Wydawniczo-Poligraficzna GIMPO, 02-858 Warszawa, Transportowcow 11, Polska / Poland. – 2020.	in the oven	Issayeva L. Slaby E. Assubayeva S. Kembayev M. Togizov K.
3	Digital model of rare -metal-rare- earth deposits of the Syrymbet ore cluster	Infinite Advertising , Mr. Almaty . – 2020 _	in the oven	Isaeva L.D. Asubayeva S.K. Togizov K.S. Kembaev M.K.
four	Atlas of metallogenograms of structural-formation zones of the Paleozoids of Kazakhstan	Almaty, KazNITU , IGN named after K.I. Satpaev , 2018. 107 p. ISBN 978-601-323-114-3	107	E.Yu. Seitmuratov , V.S. Goryaeva, A.B. Diarov , R.T. Baratov, D.O. Dautbekov , L.P. Parfenova, L.E. Berdina , Ya.K. Arshamov , V.Ya. Zhaimina , Sh.A. Zhakupova , F.F. Saydasheva, M.M. Stetsyura , I.S. Alekseeva
5	Mineralogy of the tailings of the Zhezkazgan enrichment plant.	Asyl kitap , Almaty, 2018.	S. 160	Baibatsha A.B.
6	Innovative technologies for forecasting minerals.	Asyl kitap , Almaty, 2018.	p.532	Baibatsha A.B.



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<b>4. Articles with citation index ( Scopus )</b>				
1.	Ore Minerals and Metal Distribution in Tailings of Sediment-hosted Stratiform Copper Deposits from Poland and Kazakhstan (Article)	Minerals. V.11, №7, 06 July 2021, pp.№752, ISSN 2075-163X . 69% CITESCORE 3SCOPUS	16	Duczmal-Czernikiewicz A. Baibatsha A.B. Bekbotayeva A.A Omarova G.M. Baysalova A.O.
2.	Prospects for application of multi-spectral earth sensing data in forecasting and searching for reservoir-infiltration uranium deposits	News of the national academy of sciences of the republic of kazakhstan series of geology and technical sciences ISSN 2224-5278 Volume 2, Number 466 (2021), c. 90–97 <a href="https://doi.org/10.32014/2021.2518-170X.39">https://doi.org/10.32014/2021.2518-170X.39</a>	7	A. Mendygaliyev, Ya. Arshamov, V. Selezneva, E. Yazikov, A. Bekbotayeva
3.	Geological and mineralogical study of ore tailings for bio-leaching.	Article. Periodicals of Engineering and Natural Sciences. Vol. 9, No. 3, ISSN 2303-4521 September 2021, pp. 921-937. Q4, <a href="http://dx.doi.org/10.21533/pen.v9i3.2298">http://dx.doi.org/10.21533/pen.v9i3.2298</a> .	16	Baibatsha A., Bekbotayeva A., Turysbekova G., Bektai E., Omarova G.
4.	Geotectonics and Geodynamics of Kazakhstan Paleozooids from the Plume Tectonics Position (Kazakhstan)	Advances in Science, Technology and Innovation, pp. 573-575. <a href="https://www.scopus.com/inward/record.uri?eid=2-s2.0-85128896248&amp;doi=10.1007%2f978-3-030-73026-0_128&amp;partnerID=40&amp;m DOI: 10.1007/978-3-030-73026-0_128. (2022)">https://www.scopus.com/inward/record.uri?eid=2-s2.0-85128896248&amp;doi=10.1007%2f978-3-030-73026-0_128&amp;partnerID=40&amp;m DOI: 10.1007/978-3-030-73026-0_128. (2022)</a>	2	Baibatsha, A.B.
5.	Prospects of Remote Sensing for Mineral Deposits Prediction in Kazakhstan	<b>Advances in Science, Technology and Innovation, pp. 339-341.</b> <a href="https://www.scopus.com/inward/record.uri?eid=2-s2.0-85125918333&amp;doi=10.1007%2f978-3-030-72896-0_77&amp;partnerID=40&amp;md DOI: 10.1007/978-3-030-72896-0_77. (2022)">https://www.scopus.com/inward/record.uri?eid=2-s2.0-85125918333&amp;doi=10.1007%2f978-3-030-72896-0_77&amp;partnerID=40&amp;md DOI: 10.1007/978-3-030-72896-0_77. (2022)</a>	2	Baibatsha, A., Mamanov, E., Kembayev. M
6.	Tailings are a Reliable Source of Mineral	Advances in Science, Technology and Innovation,	2	Baibatsha, A.A.B.,

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	Reserves (Kazakhstan)	(978-3-030-72546-4), pp. 381-383. <a href="https://www.scopus.com/inward/record.uri?eid=2-s2.0-85123584957&amp;doi=10.1007%2f978-3-030-72547-1_81&amp;partnerID=40&amp;md DOI: 10.1007/978-3-030-72547-1_81. (2022)">https://www.scopus.com/inward/record.uri?eid=2-s2.0-85123584957&amp;doi=10.1007%2f978-3-030-72547-1_81&amp;partnerID=40&amp;md DOI: 10.1007/978-3-030-72547-1_81. (2022)</a>		Omarova, G.M., Baibatchayeva, Z.T.
7.	Application of radio-wave geointoscopy method to study the nature of spreading the solutions in the process of uranium underground leaching	Mining of Mineral Deposits, 2021, 15(4), стр. 1-17 <a href="https://doi.org/10.33271/mining15.04.001">https://doi.org/10.33271/mining15.04.001</a> Q-2	16	B. Tsoy, S.Myrzakhmetov, E. Yazikov, A.Bekbotayeva, Y.Bashilova
8.	Testing icehouse cyclicity and seawater dynamics on an ancient carbonate platform with Nd isotopes (Carboniferous, southern Kazakhstan)	Copernicus Meetings, EGU22-5916 25.03.2022		Zdzisław Belka, Stanisław Skompski, Michał Jakubowicz, Jolanta Dopieralska, Aleksandra Walczak, Sezim Mustapayeva
9.	Progress in the study of the Devonian–Carboniferous boundary sections in the Berchogur Depression (Mugodzhary Mountains, western Kazakhstan)	Journal PalZ. Springer Berlin Heidelberg. 03.05.2022. P. 1-33	32	Svetlana V Nikolaeva, Elena I Kulagina, Sezim N Mustapayeva, Alexander S Alekseev, Yury A Gatovsky, Julien Denayer, Viktor Ohar, Alena V Kurilenko, Valentina Ja Zhaimina, Eduard V Mychko
10.	Study of Radiation Resistance to Helium Swelling of Li <sub>2</sub> ZrO <sub>3</sub> /LiO and Li <sub>2</sub> ZrO <sub>3</sub>	Crystals 2022, 12, 384. <a href="https://doi.org/10.3390/cryst12030384">https://doi.org/10.3390/cryst12030384</a> . P.1-11	10	Baurzhan Abyshev, Dmitriy I. Shlimas,

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	Ceramics			Maxim V. Zdorovets, Yalkunzhan K. Arshamov and Artem L. Kozlovskiy
11.	New technology for mineral deposits prediction to identify prospective areas in the Zhezkazgan ore region	Mining of Mineral Deposits Volume 15 (2021), Issue 2, p. 134-142 <a href="https://doi.org/10.33271/mining15.02.042">https://doi.org/10.33271/mining15.02.042</a>	8	B. Zeylik, Ya. Arshamov, R. Baratov A. Bekbotayeva
12.	Review of some applications of unmanned aerial vehicles technology in the resource-rich country	Applied Sciences (Switzerland), 2021, 11(21), 10171		Mukhamediev, R.I., Symagulov, A., Kuchin, Y., ...Bastabayeva, S., Tabynbaeva, L. A. Bekbotayeva
1.	Variations of chemical composition of gagarinite from the Verkhnee Espe deposit, As indicator of mineral forming conditions and position in metasomatic column	News of the National Academy of Sciences of the Republic of Kazakhstan, Series of Geology and Technical Sciences (Kazakhstan). (Scopus). ISSN: 2224-5278. V.2. (422) - March 2017, P. 37-45.	9	A. Stepanov , G. Bekenova , A. Dolgopolova and R.Seltmann
2.	Geological and mineralogical characteristics of REE mineralization of the Verkhnee Espe and Iysor granitoid massifs (East Kazakhstan).	Transactions of the Institutions of Mining and Metallurgy, Section B: Applied Earth Science –. (United Kingdom), 2017,126:2,40-41	one	A. Stepanov , G. Bekenova , A. Dolgopolova and R.Seltmann
3.	Features of titanium-containing minerals of Verkhneespinsky rare metal deposit (East Kazakhstan)	News of the National Academy of Sciences of the Republic of Kazakhstan, Series of Geology and Technical Sciences (Kazakhstan). (Scopus). ISSN: 2224-5278. V. 5 (425) September 2017. 36-54	19	G.K. Bekenova , A.V. Stepanov, A. Dolgopolova , R.Seltmann, V.L. Levin .
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