

**MINISTRY OF EDUCATION AND SCIENCE OF THE REPUBLIC OF KAZAKHSTAN
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**List of scientific papers in international peer-reviewed scientific journals included
in the Web of Science and Scopus databases**

DOSMUKHAMEDOV NURLAN KALIEVICH

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Hirsch index - 4 (Scopus)
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No.	Publication title	Publication type	Journal name, year of publication, DOI	Journal impact factor, quartile and field of study according to Journal Citation Reports for the year of publication	Index in the Web of Science Core Collection database	Journal Cite Score, percentile and area of science according to Scopus for the year of publication	Full name of the authors (underline the applicant)	The role of the applicant
1	2	3	4	5	6	7	8	9
1	Equilibrium thermodynamics of lead-sulfide melt system (Термодинамика равновесия системы свинец-сульфидный расплав)	Print/Elec.	Non-ferrous metals (Tsvetnye Metally). 2003. No. 6. P.41-43				<u>Dosmukhamedov N.K.</u>	Sole author
2	Processing of lead-containing polymetallic materials	Print/Elec.	Non-ferrous metals (Tsvetnye Metally).				<u>Dosmukhamedov N. K., Zhakanov</u>	First author

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	(Переработка свинец содержащих сульфидных полиметаллических материалов)		2004. No. 3. P.23-25				K. Sh., Merkulova V. P., Shatanov R. A.	
3	Peculiarities of transfer of copper, arsenic and antimony from copper-lead matte into lead bullion (Особенности перехода меди, мышьяка и сурьмы из медно-свинцового штейна в черновой свинец)	Print/Elec.	Non-ferrous metals (Tsvetnye Metally). 2015. No. 3. P.5-10. DOI: 10.17580/tsm.2015.03.01			Cite Score – 0.2, Percentile - 19th	Zholdasbay E. E., Kabyzbekov Zh. Zh., Fedorov A. N., <u>Dosmukhamedov N. K.</u>	Co-author
4	Peculiarities of behavior of non-ferrous metals and impurities during the conversion of copper-lead converter mattes (Особенности поведения цветных металлов и примесей при конвертировании медно-свинцовых штейнов)	Print/Elec.	Non-ferrous metals (Tsvetnye Metally). 2015. No. 12. P.25-29. DOI: 10.17580/tsm.2015.12.04			Cite Score – 0.2, Percentile - 19th	Kurmanseitov M. B., Fedorov A. N., <u>Dosmukhamedov N. K.</u>	Co-author
5	Complex processing of industrial products and lead-copper concentrates	Print/Elec.	Complex Processing of Industrial Products and Lead-Copper Concentrates, Eurasian Chem.-Technol. J., vol. 17, no. 4, pp. 301-308, Nov. 2015. DOI: https://doi.org/10.18321/ectj274			Cite Score – 0.2, Percentile - 16th, Chemical Engineering, Q4	Dauletbakov T., Mambetaliyeva A., <u>Dosmukhamedov N.</u> , Zhandauletova F., and Moldabaeva G.	Co-author
6	Technology of separate processing of copper-	Print/Elec.	Non-ferrous metals. 2015. №2. P.11-16. DOI:			Cite Score – 0.1, Percentile - 11th	<u>Dosmukhamedov N. K.</u> , Zholdasbay E. E.,	First author

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	plumbiferous polymetallic feedstock		10.17580/nfm.2015.02.02				Fedorov A. N., Shautenov M. R.	
7	Thermodynamics of the Cu - Me - Fe - S - O system: Features of Cu, Pb, Zn, Fe, As and Sb behaviour in joint processing of lead semiproducts, recycled materials and copper-zinc concentrate (Термодинамика системы Cu – Me – Fe – S – O: особенности поведения Cu, Pb, Zn, Fe, As и Sb при совместной переработке свинцовых полупродуктов, оборотных материалов и медно-цинкового концентрата)	Print/ Elec.	Non-ferrous metals (Tsvetnye Metally). 2016. No. 8. P.45-52.DOI: 10.17580/tsm.2016.08.06			Cite Score – 0.4, Percentile - 21st	<u>Dosmukhamedov N.K., Zholdasbay E.E., Fedorov A.N.</u>	First author
8	Distribution of non-ferrous metals, arsenic and antimony during plumbous slags sulfidizing impoverishment by copper-zinc concentrate	Print/ Elec.	Non-ferrous metals. 2016. №2. P.12-18. DOI:10.17580/nfm.2016.02.03			Cite Score – 0.5, Percentile - 27th, Q4	<u>Dosmukhamedov N. K., Zholdasbay E. E.</u>	First author
9	Natural gas regeneration of carbonate melts following SO ₂ capture from non-ferrous smelter emissions	Print/ Elec.	RSC Advances. 2017. № 7.P.21406 – 21411. DOI: https://doi.org/10.1039/C7RA02534C	IF = 2.936, Q2, Chemical Engineering	SCIE	Cite Score – 5.5, Percentile - 88th, Q2	<u>Dosmukhamedov N., Kaplan V., Zholdasbay Y., Wachtel E. and Lubomirsky I.</u>	First author
10	Employment of zone melting to obtain ultrapure copper: Behavioural patterns of impurity metals (Применение зонной	Print/ Elec.	Non-ferrous metals (Tsvetnye Metally). 2017. No. 7. P.34-41.			Cite Score – 0.5, Percentile - 27th, Metals and Alloys, Q3	<u>Dosmukhamedov N.K., Zholdasbay E.E., Nurlan G.B.,</u>	First author

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	плавки для получения сверхчистой меди: особенности поведения металлов-примесей)		DOI:10.17580/tsm.2017.07.06				Kurmanseitov M.B.	
11	Ultra-pure Cu obtaining using zone melting: influence of liquid zone width on impurities' behavior	Print/Elec.	J. Non ferrous, 2017, № 2, P.15-20. DOI:10.17580/nfm.2017.02.03			CiteScore – 0.7, Percentile - 35th	<u>Dosmukhamedov N.K., Zholdasbay E.E., Nurlan G.B</u>	First author
12	Efficient Removal of Arsenic and Antimony During Blast Furnace Smelting of Lead-Containing Materials	Print/Elec.	JOM. 2017, Vol.69, № 2, P. 381-387. DOI: https://doi.org/10.1007/s11837-016-2152-2	IF = 2.145, Q1	SCIE	CiteScore – 3.6, Percentile - 86th, Engineering, Q1	<u>Dosmukhamedov N.K., Kaplan V.A.</u>	First author
13	Technology of waste gas purification from TPP from sulfur : Regeneration of carbonate-sulfate melt carbon monoxide (Технология очистки отходящих газов ТЭС от серы: регенерация карбонатно-сульфатного расплава монооксидом углерода)	Print/Elec.	Coal (Ugol'). 2018. No. 1. P.74-81. DOI: http://dx.doi.org/10.18796/0041-5790-2018-1-74-80			CiteScore – 0.1, Percentile - 18th, Energy	<u>Dosmukhamedov N.K., Zholdasbay E.E., Kaplan V.A.</u>	First author
14	Carbonate melt-based flue gas desulphurization: material balance and economic advantage	Print/Elec.	International Journal Oil, Gas and Coal Technology. Vol. 18, Nos. ½. 2018. P. 25-38. DOI: https://doi.org/10.1504/IJOGCT.2018.10012688	IF-0,68, Q4	SCIE	Cite Score – 1.0, Percentile - 41st, Energy, Q3	Kaplan V., Wachtel E., <u>Dosmukhamedov N.,Lubomirsky I.</u>	Co-author

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15	Liquidus temperature of high-copper slags and solubility of copper oxide in the $\text{Cu}_2\text{O}-\text{FeO}-\text{CaO}-\text{SiO}_2$ system (Температура ликвидус высокомедистых шлаков и растворимость оксида меди в системе $\text{Cu}_2\text{O}-\text{FeO}-\text{CaO}-\text{SiO}_2$)	Print/ Elec.	Non-ferrous metals (Tsvetnye Metally). 2018. No. 9. P.29-34. DOI:10.17580/tsm.2018.09.04			Cite Score – 0.7, Percentile - 28th, Metals and Alloys, Q2	<u>Dosmukhamedov N.K.</u> , Fedorov A.N., Zholdasbay E.E., Lukavy S.L.	First author
16	Metal Recovery from Converter Slags Using a Sulfiding Agent	Print/ Elec.	JOM. 2018. Vol. 70, issue 10. P. 2400-2406. DOI: https://doi.org/10.1007/s11837-018-3093-8	IF = 2.305, Q1	SCIE	Cite Score – 4.0, Percentile - 85th, Engineering, Q1	<u>Dosmukhamedov N.</u> , Egizekov M., Zholdasbay E., Kaplan V.	First author
17	Formation of liquid phases and viscosity of the $\text{Cu}_2\text{O} - \text{FeO}_x - \text{SiO}_2 - \text{CaO} - \text{Al}_2\text{O}_3$ slag system saturated with copper oxide (Особенности формирования жидких фаз и вязкость шлаковой системы $\text{Cu}_2\text{O} - \text{FeO}_x - \text{SiO}_2 - \text{CaO} - \text{Al}_2\text{O}_3$, насыщенной оксидом меди)	Print/ Elec..	Non-ferrous metals (Tsvetnye Metally). 2019. No. 1. P. 19-25. DOI:10.17580/tsm.2019.01.03			Cite Score – 0.9, Percentile - 37th, Metals and Alloys, Q2	Fedorov A.N., <u>Dosmukhamedov N.K.</u> , Zholdasbay E.E.	Co-author
18	Distribution of Cu, Pb, Zn and As between the products of the two-stage reduction depletion of high-copper Slags (Распределение Cu, Pb, Zn и As между продуктами двухстадийного восстановительного	Print/ Elec.	Non-ferrous metals (Tsvetnye Metally). 2019. No. 7. P. 30-35. DOI:10.17580/tsm.2019.07.03			Cite Score – 0.9, Percentile - 37th	<u>Dosmukhamedov N.K.</u> , Fedorov A.N., Zholdasbay E.E.	First author

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	обеднения высокомедиcтских шлаков)							
19	Investigation of Cu, Pb, Zn, As, Sb distribution during the lead semiproducts and copper-zinc concentrate comelting	Print/ Elec.	Non-ferrous metals. 2020. №1. P.8-14. DOI:10.17580/nfm.2020.01.02	IF-0.8, Q4	SCIE	Cite Score – 1.4, Percentile - 44th, Metals and Alloys, Q4	<u>Dosmukhamedov N.K., Fedorov A. N., Zholdasbay E. E., Argyn A.A.</u>	First author
20	Innovative technology of integrated processing of ash from coal combustion (Инновационная технология комплексной переработки золы отсжигания угля)	Print/ Elec.	Coal (Ugol’).2020.No.1. P. 58–63. DOI: http://dx.doi.org/10.18796/0041-5790-2020-1-58-63			Cite Score – 1.1, Percentile - 30th	<u>Dosmukhamedov N.K., Kaplan V.A., Daruesh G.S.</u>	First author
21	Forms of oxygen presence in copper–lead matte	Print/ Elec.	JMR&T. 2020. Vol.9 (5). P.11826-11833. DOI: 10.1016/j.jmrt.2020.08.029	IF-5.039, Q1	SCIE	Cite Score – 3.5, Percentile - 76th, Materials Science, Q1	<u>Dosmukhamedov N., Argyn A., Zholdasbay E., Moldabayeva G.</u>	First author
22	Behavior of Cu, Zn, Pb, As compounds during copper-zinc concentrate and matte comelting in converters	Print/ Elec.	Non-ferrous Metals. 2020. № 49(2). P.11–18. DOI:10.17580/nfm.2020.02.02	IF-0.8, Q4	SCIE	Cite Score – 1.4, Percentile - 44th, Metals and Alloys, Q4	<u>Dosmukhamedov N.K., Zholdasbay E.E., Argyn A.A., Kurmanseitov M.B.</u>	First author
23	Alumina and Silica Produced by Chlorination of Power Plant Fly Ash Treatment	Print/ Elec.	JOM. 2020, №72(10) P.3348–3357. DOI: 10.1007/s11837-020-04267-5	IF – 2.474, Q2	SCIE	Cite Score – 3.9, Percentile - 79th, Engineering, Q1	<u>Kaplan V., Dosmukhamedov N., Zholdasbay E., Daruesh G., Argyn A.</u>	Co-author
24	Isolation of iron in iron-containing product from ash from burning of Ecibastuz coal	Print/ Elec.	Coal (Ugol’).No. 1. 2021. P.56-62. DOI: http://dx.doi.org			Cite Score – 1.3, Percentile -	<u>Dosmukhamedov N.K., Kaplan V.A., Zholdasbay</u>	First author

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	(Выделение железа в железосодержащий продукт из золы от сжигания Экибастузских углей)		g/10.18796/0041-5790-2021-1-56-61			28th, Energy, Q3	E.E., Daruesh G.S., Argyn A.A.	
25	Flue gas purification from SO ₂ and NO _x using molten mixture of alkali metal carbonates	Print/ Elec.	International Journal of Coal Preparation and Utilization. 2021. DOI: https://doi.org/10.1080/19392699.2021.1931147	IF – 2.791, Q3	SCIE	Cite Score – 2.9, Percentile - 49th, Energy, Q4	<u>Dosmukhamedov N.</u> , Kaplan V.	First author
26	Processing of dross of hot-dip galvanizing by chlorinating roasting	Print/ Elec.	Sustainability. 2021. 13:12530. DOI: https://doi.org/10.3390/su132212530 .	IF – 3.889, Q2	SCIE	Cite Score – 5.0, Percentile - 85th, Environmental Science, Q2	<u>Dosmukhamedov N.</u> , Kaplan A., Zholdasbay E., Koishina G., Tazhiev Ye., Argyn A., Kuldeyev Ye., Kaplan V.	First author
27	Technology of Ash and Slag Waste Processing by Chloridizing Roasting	Print/ Elec.	Metallurgist. Vol. 66, Nos. 1-2, May, 2022 (Russian Original Nos. 1-2, January–February, 2022). DOI 10.1007/s11015-022-01315-0	IF – 0.887, Q4	SCIE	Cite Score – 1.5, Percentile - 45th, Metals and Alloys, Q4	<u>Dosmukhamedov N.</u> , Zholdasbay E.,	First author
International Patents								
1	Method for flue gas desulfurization.		Patent Israel IL 246429. Publication Date: 29.09.2018.				Lubomirsky I., Kaplan V. <u>Dosmukhamedov N.</u>	Co-author

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2	Method for flue gas desulfurization with molten carbonate.	Patent China CH109475812. Publication Date: 15.03.2019.				Lubomirsky I., Kaplan V. <u>Dosmukhamedov</u> <u>N.</u>	Co-author
3	Method for flue gas desulfurization with molten carbonate.	European patent EP3471859. Publication Date: 24.04.2019.				Lubomirsky I., Kaplan V. <u>Dosmukhamedov</u> <u>N.</u>	Co-author
4	Method for flue gas desulfurization with molten carbonate.	US Patent Number 10,625,204 B2. Publication Date: Apr. 21, 2020.				Lubomirsky I., Kaplan V. <u>Dosmukhamedov</u> <u>N.</u>	Co-author

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