



СПИСОК НАУЧНЫХ ТРУДОВ И ИЗОБРЕТЕНИЙ

| № п/п | Название трудов | Рукопись или печатные | Наименование издательства, журнала (№, год.), № авторского свидетельства | Кол-во печатных листов или стр. | Фамилия соавторов работы |
|--|--|-----------------------|--|---------------------------------|---------------------------------|
| 1. | Embedding theorem of Sobolev type spaces on stratified Lie groups | Печ. | Mathematical Journal, - 2016. - V. 16, - No. 3(61). - P. 166-180. (ККСОН) | 14 стр. | |
| 2. | Hardy and Rellich type inequalities on the complex affine group | Печ. | Eurasian Mathematical Journal. - 2017. - V. 8, - No. 2. - P. 31-39. (ККСОН) | 8 стр. | D. Suragan |
| 3. | Horizontal Weighted Hardy–Rellich Type Inequalities on Stratified Lie Groups | Печ. | Complex Analysis and Operator Theory. - 2018. -V. 12. - P. 1469-1480. (Scopus, Web of Science, Q2) | 11 стр. | D. Suragan |
| 4. | On Hardy and Rellich type inequalities for the Grushin operator. | Печ. | Mathematical Journal. – 2018. - V. 18, - No. 2(68). - P. 133-142. (ККСОН) | 9 стр. | T.Sh. Kalmenov |
| 5. | On green functions for Dirichlet sub-Laplacians on a Quaternion Heisenberg group | Печ. | Mathematical Modelling of Natural Phenomena. – 2018. –V. 13, - No. 4. (Scopus, Web of Science, Q3) | 14 стр. | D. Suragan |
| 6. | Weighted Lp-Hardy and Lp-Rellich inequalities with boundary terms on stratified Lie groups | Печ. | Revista Matematica Complutense. – 2019. – Vol. 32, - Issue 1, - P. 19–35. (Scopus, Web of Science, Q1) | 16 стр. | M. Ruzhansky D. Suragan |
| 7. | Weighted anisotropic Hardy and Rellich type inequalities for general vector fields | Печ. | Nonlinear Differential Equations and Applications (NoDEA). – 2019. – V. 26, - Issue 2. (Scopus, Web of Science, Q1) | 18 стр. | M. Ruzhansky D. Suragan |
| 8. | An inequality for Schatten p-norms of compact operators. | Печ. | AIP Conference Proceedings, - 2016. | 6 стр. | T.Sh. Kalmenov D. Suragan |
| 9. | A Boundary Condition of the Volume Potential for Strongly Elliptic Differential Equations | Печ. | Functional analysis in Interdisciplinary Applications. Springer Proceedings in Mathematics and Statistics, - 2017. – P. 235-245. | 10 стр. | T.Sh. Kalmenov |
| 10. | Improved critical Hardy inequalities on 2-dimensional quasi-balls | Печ. | AIP Conference Proceedings, - 2017. | 6 стр. | D. Suragan, N. Yessirkegenov |
| 11. | On Hardy and Rellich type inequalities for an Engel-type operator | Печ. | AIP Conference Proceedings, - 2017. | 6 стр. | |
| 12. | Horizontal weighted Hardy-Rellich type inequalities | Печ. | Book of Abstract. ISAAC Congress. Vaxjo, Sweden. – 2017. – P. 59-60. | 1 стр. | |
| Соискатель  Битбек Б.М. Ученый секретарь  Байева М.А. | | | | | |

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|------------------|--|---------------|---|--------|--|
| 13. | An embedding theorem of Sobolev type spaces on stratified Lie groups | Печ. | The abstract book of International Conference on Analysis and Applied Mathematics (ICAAM). Almaty. – 2016. – P. 283-284. | 1 стр. | |
| 14. | Hardy and Rellich type inequalities on Complex Affine group | Печ. | The abstract book of the International Scientific Conference “Weighted estimates of differential and integral operators and their applications” – 2017. – P. 73-74. | 1 стр. | |
| 15. | On Hardy and Rellich type inequalities for Grushin operator | Печ. | Дифференциальные операторы и моделирование сложных систем" (DOMCS-2017), посвященного 70-летию профессора М.Т.Дженалиева. – 2017. – P. 166-167. | 1 стр. | |
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