

Alexey A Sergushichev

List of Publications by Year in descending order

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Version: 2024-02-01

41
papers

6,678
citations

471061

17
h-index

315357

38
g-index

47
all docs

47
docs citations

47
times ranked

14869
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 1 | Shiny GATOM: omics-based identification of regulated metabolic modules in atom transition networks. <i>Nucleic Acids Research</i> , 2022, 50, W690-W696. | 6.5 | 3 |
| 2 | Genotype imputation and polygenic score estimation in northwestern Russian population. <i>PLoS ONE</i> , 2022, 17, e0269434. | 1.1 | 3 |
| 3 | Loss of Mir146b with aging contributes to inflammation and mitochondrial dysfunction in thioglycollate-elicited peritoneal macrophages. <i>ELife</i> , 2021, 10, . | 2.8 | 6 |
| 4 | Non-canonical glutamine transamination sustains efferocytosis by coupling redox buffering to oxidative phosphorylation. <i>Nature Metabolism</i> , 2021, 3, 1313-1326. | 5.1 | 31 |
| 5 | Method for Joint Clustering in Graph and Correlation Spaces. <i>Automatic Control and Computer Sciences</i> , 2021, 55, 647-657. | 0.4 | 0 |
| 6 | Generation of two iPSC lines (FAMRCi007-A and FAMRCi007-B) from patient with Emeryâ€™Dreifuss muscular dystrophy and heart rhythm abnormalities carrying genetic variant LMNA p.Arg249Gln. <i>Stem Cell Research</i> , 2020, 47, 101895. | 0.3 | 3 |
| 7 | A 300-kb microduplication of 7q36.3 in a patient with triphalangeal thumb-polysyndactyly syndrome combined with congenital heart disease and optic disc coloboma: a case report. <i>BMC Medical Genomics</i> , 2020, 13, 175. | 0.7 | 3 |
| 8 | Markov chain Monte Carlo for active module identification problem. <i>BMC Bioinformatics</i> , 2020, 21, 261. | 1.2 | 4 |
| 9 | LMNA Mutations G232E and R482L Cause Dysregulation of Skeletal Muscle Differentiation, Bioenergetics, and Metabolic Gene Expression Profile. <i>Genes</i> , 2020, 11, 1057. | 1.0 | 10 |
| 10 | Transcriptomic profiling of experimental arterial injury reveals new mechanisms and temporal dynamics in vascular healing response. <i>JVS Vascular Science</i> , 2020, 1, 13-27. | 0.4 | 10 |
| 11 | ImmGen at 15. <i>Nature Immunology</i> , 2020, 21, 700-703. | 7.0 | 55 |
| 12 | Generation of two iPSC lines (FAMRCi006-A and FAMRCi006-B) from patient with dilated cardiomyopathy and Emeryâ€™Dreifuss muscular dystrophy associated with genetic variant LMNAp.Arg527Pro.. <i>Stem Cell Research</i> , 2020, 43, 101714. | 0.3 | 6 |
| 13 | Tonic TCR Signaling Inversely Regulates the Basal Metabolism of CD4+ T Cells. <i>ImmunoHorizons</i> , 2020, 4, 485-497. | 0.8 | 14 |
| 14 | Method of the Joint Clustering in Network and Correlation Spaces. <i>Modelirovanie I Analiz Informacionnyh Sistem</i> , 2020, 27, 180-193. | 0.1 | 1 |
| 15 | Transcriptome analysis of skeletal muscles revealed the effect of exercise on the molecular mechanisms regulating muscle growth and metabolism in patients with heart failure. <i>Russian Journal of Cardiology</i> , 2020, 25, 4132. | 0.4 | 1 |
| 16 | Truncating Variant in Myof Gene Is Associated With Limb-Girdle Type Muscular Dystrophy and Cardiomyopathy. <i>Frontiers in Genetics</i> , 2019, 10, 608. | 1.1 | 10 |
| 17 | Clinical Response to Personalized Exercise Therapy in Heart Failure Patients with Reduced Ejection Fraction Is Accompanied by Skeletal Muscle Histological Alterations. <i>International Journal of Molecular Sciences</i> , 2019, 20, 5514. | 1.8 | 3 |
| 18 | LKB1 expressed in dendritic cells governs the development and expansion of thymus-derived regulatory T cells. <i>Cell Research</i> , 2019, 29, 406-419. | 5.7 | 34 |

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|----|--|------|-----------|
| 19 | Skeletal Muscle Resident Progenitor Cells Coexpress Mesenchymal and Myogenic Markers and Are Not Affected by Chronic Heart Failure-Induced Dysregulations. <i>Stem Cells International</i> , 2019, 2019, 1-11. | 1.2 | 13 |
| 20 | Electrophilic properties of itaconate and derivatives regulate the ATF3 inflammatory axis. <i>Nature</i> , 2018, 556, 501-504. | 13.7 | 438 |
| 21 | Draft Genome Sequence of <i>Coxiella burnetii</i> Historical Strain Leningrad-2, Isolated from Blood of a Patient with Acute Q Fever in Saint Petersburg, Russia. <i>Genome Announcements</i> , 2018, 6, . | 0.8 | 1 |
| 22 | Mycobacterium tuberculosis carrying a rifampicin drug resistance mutation reprograms macrophage metabolism through cell wall lipid changes. <i>Nature Microbiology</i> , 2018, 3, 1099-1108. | 5.9 | 90 |
| 23 | De novo mutations in <i>FLNC</i> leading to early-onset restrictive cardiomyopathy and congenital myopathy. <i>Human Mutation</i> , 2018, 39, 1161-1172. | 1.1 | 49 |
| 24 | Rare Case of Ulnar-Mammary-Like Syndrome With Left Ventricular Tachycardia and Lack of TBX3 Mutation. <i>Frontiers in Genetics</i> , 2018, 9, 209. | 1.1 | 4 |
| 25 | Generation of iPSC line from patient with arrhythmogenic right ventricular cardiomyopathy carrying mutations in PKP2 gene. <i>Stem Cell Research</i> , 2017, 24, 85-88. | 0.3 | 10 |
| 26 | Generation of iPSC line from desmin-related cardiomyopathy patient carrying splice site mutation of DES gene. <i>Stem Cell Research</i> , 2017, 24, 77-80. | 0.3 | 8 |
| 27 | TREM2 Maintains Microglial Metabolic Fitness in Alzheimer's Disease. <i>Cell</i> , 2017, 170, 649-663.e13. | 13.5 | 741 |
| 28 | Ranking Vertices for Active Module Recovery Problem. <i>Lecture Notes in Computer Science</i> , 2017, , 75-84. | 1.0 | 1 |
| 29 | Itaconate Links Inhibition of Succinate Dehydrogenase with Macrophage Metabolic Remodeling and Regulation of Inflammation. <i>Cell Metabolism</i> , 2016, 24, 158-166. | 7.2 | 944 |
| 30 | GAM: a web-service for integrated transcriptional and metabolic network analysis. <i>Nucleic Acids Research</i> , 2016, 44, W194-W200. | 6.5 | 81 |
| 31 | Solving Generalized Maximum-Weight Connected Subgraph Problem for Network Enrichment Analysis. <i>Lecture Notes in Computer Science</i> , 2016, , 210-221. | 1.0 | 12 |
| 32 | The miR-17 ~¼ 92 microRNA Cluster Is a Global Regulator of Tumor Metabolism. <i>Cell Reports</i> , 2016, 16, 1915-1928. | 2.9 | 58 |
| 33 | End Sequence Analysis Toolkit (ESAT) expands the extractable information from single-cell RNA-seq data. <i>Genome Research</i> , 2016, 26, 1397-1410. | 2.4 | 63 |
| 34 | Integrating immunometabolism and macrophage diversity. <i>Seminars in Immunology</i> , 2016, 28, 417-424. | 2.7 | 137 |
| 35 | Homeostatic Control of Innate Lung Inflammation by Vici Syndrome Gene Epg5 and Additional Autophagy Genes Promotes Influenza Pathogenesis. <i>Cell Host and Microbe</i> , 2016, 19, 102-113. | 5.1 | 83 |
| 36 | Targeted next-generation sequencing (NGS) of nine candidate genes with custom AmpliSeq in patients and a cardiomyopathy risk group. <i>Clinica Chimica Acta</i> , 2015, 446, 132-140. | 0.5 | 37 |

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|----|--|-----|-----------|
| 37 | Network Integration of Parallel Metabolic and Transcriptional Data Reveals Metabolic Modules that Regulate Macrophage Polarization. <i>Immunity</i> , 2015, 42, 419-430. | 6.6 | 1,423 |
| 38 | Mitochondrial Phosphoenolpyruvate Carboxykinase Regulates Metabolic Adaptation and Enables Glucose-Independent Tumor Growth. <i>Molecular Cell</i> , 2015, 60, 195-207. | 4.5 | 200 |
| 39 | The use of evolutionary programming based on training examples for the generation of finite state machines for controlling objects with complex behavior. <i>Journal of Computer and Systems Sciences International</i> , 2013, 52, 410-425. | 0.2 | 7 |
| 40 | Assemblathon 2: evaluating de novo methods of genome assembly in three vertebrate species. <i>GigaScience</i> , 2013, 2, 10. | 3.3 | 582 |
| 41 | Genetic algorithm for induction of finite automata with continuous and discrete output actions. , 2011, , . | | 5 |