

# Igor Yu Malyshev

## List of Publications by Year in descending order

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86  
papers

968  
citations

623574

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477173

29  
g-index

87  
all docs

87  
docs citations

87  
times ranked

1148  
citing authors

| # | ARTICLE | IF | CITATIONS |
|---|---------|----|-----------|
|---|---------|----|-----------|

|   |                                                    |  |  |
|---|----------------------------------------------------|--|--|
| 1 | GO Nanosheets: Promising Nano Carrier for the S29, |  |  |
|---|----------------------------------------------------|--|--|

| #  | ARTICLE                                                                                                                                                                                                                                             | IF  | CITATIONS |
|----|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|-----------|
| 19 | Nitric oxide prevents cognitive disorders and neurodegeneration in rats with experimental Alzheimer's disease. <i>FASEB Journal</i> , 2010, 24, 568.4.                                                                                              | 0.2 | 1         |
| 20 | SP-D-Dependent Regulation of NO Metabolism in Lipopolysaccharide-Stimulated Peritoneal Macrophages. <i>Bulletin of Experimental Biology and Medicine</i> , 2009, 147, 415-420.                                                                      | 0.3 | 6         |
| 21 | Specific Response of the Organism and Blood Leukocytes in Rats of Different Genetic Strains to Hypoxia. <i>Bulletin of Experimental Biology and Medicine</i> , 2008, 146, 411-414.                                                                  | 0.3 | 1         |
| 22 | Role of Nitric Oxide in Prevention of Cognitive Disorders in Neurodegenerative Brain Injuries in Rats. <i>Bulletin of Experimental Biology and Medicine</i> , 2008, 146, 391-395.                                                                   | 0.3 | 25        |
| 23 | Antiarrhythmic effect of heat adaptation in ischemic and reperfusion injury to the heart. <i>Bulletin of Experimental Biology and Medicine</i> , 2007, 143, 9-11.                                                                                   | 0.3 | 0         |
| 24 | Intracellular and extracellular NO differentially modulates the stress response and apoptosis in macrophages exposed to the influence of biological or physical factors. <i>Bulletin of Experimental Biology and Medicine</i> , 2007, 143, 673-677. | 0.3 | 2         |
| 25 | Role of heat shock proteins HSP70 and HSP32 in the protective effect of adaptation of cultured HT22 hippocampal cells to oxidative stress. <i>Bulletin of Experimental Biology and Medicine</i> , 2007, 144, 174-177.                               | 0.3 | 14        |
| 26 | Inversion of stress response reprogramming phenomenon in lipopolysaccharide-stimulated alveolar macrophages. <i>Bulletin of Experimental Biology and Medicine</i> , 2007, 144, 507-510.                                                             | 0.3 | 0         |
| 27 | Formation and Role of Nitric Oxide Stores in Adaptation to Hypoxia. , 2006, 578, 35-40.                                                                                                                                                             |     | 6         |
| 28 | Role of extracellular and intracellular nitric oxide in the regulation of macrophage responses. <i>Bulletin of Experimental Biology and Medicine</i> , 2006, 141, 404-406.                                                                          | 0.3 | 9         |
| 29 | Adaptation to hypoxia prevents disturbances in cerebral blood flow during neurodegenerative process. <i>Bulletin of Experimental Biology and Medicine</i> , 2006, 142, 169-172.                                                                     | 0.3 | 17        |
| 30 | Synthesis of heat shock proteins (HSP70) in blood leukocytes as a criterion of the resistance to stress injury. <i>Bulletin of Experimental Biology and Medicine</i> , 2006, 142, 660-662.                                                          | 0.3 | 4         |
| 31 | Mechanism of adaptation of the vascular system to chronic changes in nitric oxide level in the organism. <i>Bulletin of Experimental Biology and Medicine</i> , 2006, 142, 670-674.                                                                 | 0.3 | 7         |
| 32 | Effect of Transauricular Electroacupuncture on Stress-Induced Changes in Cognitive Function and Erosions of the Gastric Mucosa in Rats. <i>Bulletin of Experimental Biology and Medicine</i> , 2005, 139, 176-179.                                  | 0.3 | 0         |
| 33 | Resistance to Neurodegenerative Brain Damage in August and Wistar Rats. <i>Bulletin of Experimental Biology and Medicine</i> , 2005, 139, 540-542.                                                                                                  | 0.3 | 8         |
| 34 | Possible use of adaptation to hypoxia in Alzheimer's disease: a hypothesis. <i>Medical Science Monitor</i> , 2005, 11, HY31-8.                                                                                                                      | 0.5 | 11        |
| 35 | Stress Response and Apoptosis in Pro- and Antiinflammatory Macrophages. <i>Bulletin of Experimental Biology and Medicine</i> , 2004, 138, 140-143.                                                                                                  | 0.3 | 1         |
| 36 | Prospects of Non-drug Approaches to Alzheimer's Disease. <i>Biology Bulletin</i> , 2004, 31, 382-395.                                                                                                                                               | 0.1 | 2         |

| #  | ARTICLE                                                                                                                                                                                      | IF  | CITATIONS |
|----|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|-----------|
| 37 | Caspase inhibitor Z-VAD-FMK potentiates heat shock-induced apoptosis and HSP70 synthesis in macrophages. Bulletin of Experimental Biology and Medicine, 2004, 138, 230-232.                  | 0.3 | 3         |
| 38 | Direct and cross-protective effects of heat adaptation in cultured cells. Bulletin of Experimental Biology and Medicine, 2003, 135, 127-129.                                                 | 0.3 | 5         |
| 39 | Antiapoptotic effect of heat adaptation in cultured cells. Bulletin of Experimental Biology and Medicine, 2003, 135, 123-126.                                                                | 0.3 | 0         |
| 40 | Adaptation to heat of cardiomyoblasts in culture protects them against heat shock: role of nitric oxide and heat shock proteins. Biochemistry (Moscow), 2003, 68, 816-821.                   | 0.7 | 8         |
| 41 | Detection and evaluation of NO stores in awake rats. Bulletin of Experimental Biology and Medicine, 2003, 136, 26-29.                                                                        | 0.3 | 3         |
| 42 | Detection and Description of Various Stores of Nitric Oxide Store in Vascular Wall. Bulletin of Experimental Biology and Medicine, 2003, 136, 226-230.                                       | 0.3 | 14        |
| 43 | Application of the nitric oxide donor SNAP to cardiomyocytes in culture provides protection against oxidative stress. Nitric Oxide - Biology and Chemistry, 2002, 7, 127-131.                | 1.2 | 31        |
| 44 | Nitric Oxide Storage in the Cardiovascular System. Biology Bulletin, 2002, 29, 477-486.                                                                                                      | 0.1 | 5         |
| 45 | Adaptation to heat limits stress-induced activation of caspases in the thymus. Bulletin of Experimental Biology and Medicine, 2002, 134, 321-324.                                            | 0.3 | 2         |
| 46 | Role of mitochondria and sarcoplasmic reticulum Ca <sup>2+</sup> -transport in the NO donor-induced cardioprotection. Journal of Molecular and Cellular Cardiology, 2001, 33, A77.           | 0.9 | 0         |
| 47 | Antihypotensive effect of adaptation to heat: The role of no and HSP70. Journal of Molecular and Cellular Cardiology, 2001, 33, A9.                                                          | 0.9 | 1         |
| 48 | The application of the nitric oxide donor SNAP protects cardiomyocytes against oxidative stress. Journal of Molecular and Cellular Cardiology, 2001, 33, A78.                                | 0.9 | 0         |
| 49 | Antistress Effect of Nitric Oxide. Biology Bulletin, 2001, 28, 387-393.                                                                                                                      | 0.1 | 5         |
| 50 | Title is missing!. Biology Bulletin, 2001, 28, 491-498.                                                                                                                                      | 0.1 | 1         |
| 51 | HSP70 stress proteins, nitric oxide, and resistance of August and Wistar rats to myocardial infarction. Bulletin of Experimental Biology and Medicine, 2001, 132, 741-743.                   | 0.3 | 3         |
| 52 | In Vivo Accumulation of nitric oxide in blood vessels. Bulletin of Experimental Biology and Medicine, 1999, 127, 571-574.                                                                    | 0.3 | 4         |
| 53 | Dinitrosyl iron complexes with thiol-containing ligands and S-nitroso-D,L-penicillamine as inducers of heat shock protein synthesis in H35 hepatoma cells. FEBS Letters, 1999, 455, 179-182. | 1.3 | 36        |
| 54 | NO-Dependent Mechanisms of Adaptation to Hypoxia. Nitric Oxide - Biology and Chemistry, 1999, 3, 105-113.                                                                                    | 1.2 | 54        |

| #  | ARTICLE                                                                                                                                                                                                                    | IF  | CITATIONS |
|----|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|-----------|
| 55 | Production and Storage of Nitric Oxide in Adaptation to Hypoxia. Nitric Oxide - Biology and Chemistry, 1999, 3, 393-401.                                                                                                   | 1.2 | 46        |
| 56 | Long-term cardiac protective effect of nitric oxide. Bulletin of Experimental Biology and Medicine, 1998, 125, 17-19.                                                                                                      | 0.3 | 5         |
| 57 | Hypotensive effect and tissue distribution of the dinitrosyl iron complexes, a nitric oxide donor. Bulletin of Experimental Biology and Medicine, 1998, 125, 23-25.                                                        | 0.3 | 15        |
| 58 | Donor of nitric oxide improves, while NO-synthase inhibitor impairs resistance and adaptation to strenuous physical exercise. Bulletin of Experimental Biology and Medicine, 1998, 125, 336-339.                           | 0.3 | 0         |
| 59 | Adaptive Defense of the Organism.. Annals of the New York Academy of Sciences, 1996, 793, 371-385.                                                                                                                         | 1.8 | 14        |
| 60 | Nitric oxide donor induces HSP70 accumulation in the heart and in cultured cells. FEBS Letters, 1996, 391, 21-23.                                                                                                          | 1.3 | 74        |
| 61 | The Role of hsp70 and IP3-DAG Mechanism in the Adaptive Stabilization of Structures and Heart Protection. Journal of Molecular and Cellular Cardiology, 1996, 28, 835-843.                                                 | 0.9 | 8         |
| 62 | Enhanced production of nitric oxide in rat organs in heat shock. Bulletin of Experimental Biology and Medicine, 1996, 121, 471-474.                                                                                        | 0.3 | 6         |
| 63 | Differences in NO generation during heat shock in genetically different populations of rats. Bulletin of Experimental Biology and Medicine, 1996, 121, 572-575.                                                            | 0.3 | 5         |
| 64 | Comparative analysis of polypeptides in the heat shock proteins synthesized in the myocardium of Wistar and August rats. Bulletin of Experimental Biology and Medicine, 1995, 120, 675-677.                                | 0.3 | 0         |
| 65 | Seasonal differences in the development of heightened resistance of the isolated heart during adaptation to physical exercise. Bulletin of Experimental Biology and Medicine, 1995, 120, 938-940.                          | 0.3 | 0         |
| 66 | Adaptation to hypoxia, unlike adaptation to stress, fails to protect the isolated heart from reperfusion after total ischemia (An NMR study). Bulletin of Experimental Biology and Medicine, 1995, 120, 1103-1106.         | 0.3 | 1         |
| 67 | Increased resistance to heat shock of isolated hearts from rats adapted to moderate physical exercise. Bulletin of Experimental Biology and Medicine, 1995, 119, 245-247.                                                  | 0.3 | 0         |
| 68 | Effect of adaptation to moderate physical loads on the increased resistance of the isolated heart to ischemia and reperfusion. Bulletin of Experimental Biology and Medicine, 1995, 119, 20-22.                            | 0.3 | 3         |
| 69 | Nitric oxide is involved in heat-induced HSP70 accumulation. FEBS Letters, 1995, 370, 159-162.                                                                                                                             | 1.3 | 81        |
| 70 | Role of heat shock proteins in the formation of stress resistance in different animal strains. Bulletin of Experimental Biology and Medicine, 1994, 118, 689-691.                                                          | 0.3 | 1         |
| 71 | Adaptive stabilization of structures and adaptive protection of the heart in rats of two different genetic strains: Role of heat-shock proteins hsp 70. Bulletin of Experimental Biology and Medicine, 1994, 118, 812-815. | 0.3 | 0         |
| 72 | Biphasic character of the phenomenon of adaptive stabilization of structures during long-term adaptation of the organism to stress. Bulletin of Experimental Biology and Medicine, 1993, 116, 1201-1204.                   | 0.3 | 0         |

| #  | ARTICLE                                                                                                                                                                                                                                      | IF  | CITATIONS |
|----|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|-----------|
| 73 | Generalized accumulation of stress proteins during the organism's adaptation to stress. Bulletin of Experimental Biology and Medicine, 1993, 116, 1049-1051.                                                                                 | 0.3 | 0         |
| 74 | Differences in adaptive stabilization of structures in response to stress and hypoxia relate with the accumulation of hsp70 isoforms. Molecular and Cellular Biochemistry, 1992, 111, 87-95.                                                 | 1.4 | 40        |
| 75 | Adaptive protection of the heart and stabilization of myocardial structures. Basic Research in Cardiology, 1991, 86, 87-98.                                                                                                                  | 2.5 | 12        |
| 76 | Adaptation to stress increases the resistance of nuclear DNA of heart cells through heat shock protein accumulation in the nucleus. Bulletin of Experimental Biology and Medicine, 1991, 112, 1069-1072.                                     | 0.3 | 0         |
| 77 | Adaptation to stress increases the resistance of heart cell nuclei to the damaging action of single-stranded exogenous DNA. Bulletin of Experimental Biology and Medicine, 1991, 111, 588-591.                                               | 0.3 | 0         |
| 78 | Comparison of the effect of adaptation to stress and to high altitude hypoxia on resistance of the heart to reperfusion injury after total ischemia. Bulletin of Experimental Biology and Medicine, 1991, 112, 916-919.                      | 0.3 | 0         |
| 79 | Adaptation to stress prevents the cardiotoxic effect of rifampicin but not that of polymyxin B. Bulletin of Experimental Biology and Medicine, 1991, 112, 1377-1380.                                                                         | 0.3 | 0         |
| 80 | Adaptation to stress exposure prevents arrhythmogenic and contractural effects of the excess of Ca <sup>2+</sup> on the heart by the increased activity of sarcoplasmic reticulum. Basic Research in Cardiology, 1990, 85, 96-103.           | 2.5 | 8         |
| 81 | Adaptation to stress prevents the arrhythmogenic and contractural effects of the "calcium paradox". Bulletin of Experimental Biology and Medicine, 1990, 109, 285-288.                                                                       | 0.3 | 0         |
| 82 | Effect of adaptation to stress on electrical activity, contractility, and resistance of papillary muscle to excess of intracellular calcium. Bulletin of Experimental Biology and Medicine, 1989, 108, 1541-1545.                            | 0.3 | 0         |
| 83 | Prevention of adrenalin-induced arrhythmias by the calmodulin blocker trifluoperazine. Bulletin of Experimental Biology and Medicine, 1989, 108, 973-976.                                                                                    | 0.3 | 0         |
| 84 | Adaptation to stress increases resistance of the isolated heart to Ca <sup>++</sup> -induced damage by optimizing calcium pump operation in the sarcoplasmic reticulum. Bulletin of Experimental Biology and Medicine, 1989, 108, 1392-1395. | 0.3 | 0         |
| 85 | Adaptation to stress increases the resistance of the heart to adrenotoxic damage. Bulletin of Experimental Biology and Medicine, 1989, 107, 456-458.                                                                                         | 0.3 | 2         |
| 86 | Adaptation to stress increases the heart resistance to ischemic and reperfusion arrhythmias. Journal of Molecular and Cellular Cardiology, 1989, 21, 299-303.                                                                                | 0.9 | 23        |