

# Igor Mindukshev

## List of Publications by Year in descending order

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Version: 2024-02-01

34  
papers

416  
citations

933447

10  
h-index

794594

19  
g-index

36  
all docs

36  
docs citations

36  
times ranked

571  
citing authors

| #  | ARTICLE   | IF  | CITATIONS |
|----|---|-----|-----------|
| 1  | Temporal quantitative phosphoproteomics of ADP stimulation reveals novel central nodes in platelet activation and inhibition. <i>Blood</i> , 2017, 129, e1-e12.   | 1.4 | 97        |
| 2  | Dual role of the p38 MAPK/cPLA 2 pathway in the regulation of platelet apoptosis induced by ABT-737 and strong platelet agonists. <i>Cell Death and Disease</i> , 2013, 4, e931-e931.   | 6.3 | 41        |
| 3  | Microvesicle Formation Induced by Oxidative Stress in Human Erythrocytes. <i>Antioxidants</i> , 2020, 9, 929.   | 5.1 | 41        |
| 4  | Low angle light scattering analysis: a novel quantitative method for functional characterization of human and murine platelet receptors. <i>Clinical Chemistry and Laboratory Medicine</i> , 2012, 50, 1253-1262.             | 2.3 | 28        |
| 5  | The sGC stimulator riociguat inhibits platelet function in washed platelets but not in whole blood. <i>British Journal of Pharmacology</i> , 2015, 172, 5199-5210.  | 5.4 | 25        |
| 6  | Protein kinase A activation by the anti-cancer drugs ABT-737 and thymoquinone is caspase-3-dependent and correlates with platelet inhibition and apoptosis. <i>Cell Death and Disease</i> , 2017, 8, e2898-e2898.             | 6.3 | 23        |
| 7  | Erythrocytes do not activate purified and platelet soluble guanylate cyclases even in conditions favourable for NO synthesis. <i>Cell Communication and Signaling</i> , 2016, 14, 16.   | 6.5 | 22        |
| 8  | Necrotic and apoptotic volume changes of red blood cells investigated by low-angle light scattering technique. <i>Spectroscopy</i> , 2007, 21, 105-120.   | 0.8 | 16        |
| 9  | A new method for studying platelets, based upon the low-angle light scattering technique. 1. Theoretical and experimental foundations of the method. <i>Spectroscopy</i> , 2005, 19, 235-246.                                 | 0.8 | 12        |
| 10 | A new method for studying platelets, based upon the low-angle light scattering technique. 2. Application of the method in experimental toxicology and clinical pathology. <i>Spectroscopy</i> , 2005, 19, 247-257.            | 0.8 | 10        |
| 11 | Russian VX. , 2009, , 69-91.  |     | 9         |
| 12 | Flow Cytometry and Light Scattering Technique in Evaluation of Nutraceuticals. , 2016, , 319-332.   |     | 9         |
| 13 | A new method for studying platelets, based upon the low-angle light scattering technique. 3. Aggregation hypersensitivity of platelets (ADP agonist) and search for corrective agents. <i>Spectroscopy</i> , 2006, 20, 57-66. | 0.8 | 8         |
| 14 | Hypoxia inhibits the regulatory volume decrease in red blood cells of common frog ( <i>Rana temporaria</i> ) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 219-220, 44-47.  | 1.8 | 7         |
| 15 | Polarographic and spectroscopic studies of the effects of fluoroacetate/fluorocitrate on cells and mitochondria. <i>Spectroscopy</i> , 2007, 21, 121-134.   | 0.8 | 6         |
| 16 | Russian VX. , 2015, , 111-130.  |     | 6         |
| 17 | Curcumin by activation of adenosine A2A receptor stimulates protein kinase a and potentiates inhibitory effect of cangrelor on platelets. <i>Biochemical and Biophysical Research Communications</i> , 2022, 586, 20-26.      | 2.1 | 6         |
| 18 | Microfluidic Characterization of Red Blood Cells Microcirculation under Oxidative Stress. <i>Cells</i> , 2021, 10, 3552.  | 4.1 | 6         |

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|----|---|-----|-----------|
| 19 | Persistent red blood cells retain their ability to move in microcapillaries under high levels of oxidative stress. <i>Communications Biology</i> , 2022, 5, .   | 4.4 | 6         |
| 20 | Effects of oxytocin and prostaglandin F(2alpha) (enzaprost) on platelet aggregation. <i>Bulletin of Experimental Biology and Medicine</i> , 2002, 134, 439-441.   | 0.8 | 5         |
| 21 | GC-MS and LC-MS/MS pilot studies on the guanidine (NG)-dimethylation in native, asymmetrically and symmetrically NG-dimethylated arginine-vasopressin peptides and proteins in human red blood cells. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2020, 1141, 122024. | 2.3 | 5         |
| 22 | Cellular osmoregulation of the ark clam ( <i>Anadara kagoshimensis</i> ) hemocytes to hyposmotic media. <i>Journal of Experimental Zoology Part A: Ecological and Integrative Physiology</i> , 2022, 337, 434-439.  | 1.9 | 5         |
| 23 | Application of a low-angle light scattering technique to cell volume and cell signaling studies on Ehrlich ascite tumor cells. <i>Spectroscopy</i> , 2006, 20, 45-55.   | 0.8 | 4         |
| 24 | Fluoroacetate. , 2009, , 177-198.   |     | 3         |
| 25 | Human erythrocyte ammonium transport is mediated by functional interaction of ammonium (RhAG) and anion (AE1) transporters. <i>Biochemistry (Moscow) Supplement Series A: Membrane and Cell Biology</i> , 2016, 10, 301-310.  | 0.6 | 3         |
| 26 | New Understanding on Pathogenesis of Delayed Effects of Rvx Low-Dose Chronic Exposure. , 2006, , 297-303.   |     | 2         |
| 27 | Fluoroacetate. , 2015, , 193-214.   |     | 2         |
| 28 | Protein kinase A activity and NO are involved in the regulation of crucian carp ( <i>Carassius carassius</i> ) red blood cell osmotic fragility. <i>Fish Physiology and Biochemistry</i> , 2021, 47, 1105-1117.   | 2.3 | 1         |
| 29 | Impact of ammonium chloride in a toxic dose on the bioelectrical activity of rat brain. <i>Bulletin of Experimental Biology and Medicine</i> , 1993, 116, 781-783.  | 0.8 | 0         |
| 30 | Cooperative Type of Platelet Hypersensitivity to ADP. <i>Bulletin of Experimental Biology and Medicine</i> , 2005, 140, 282-284.  | 0.8 | 0         |
| 31 | Erythrocytes do not produce biologically active NO. <i>BMC Pharmacology &amp; Toxicology</i> , 2015, 16, .  | 2.4 | 0         |
| 32 | Flow cytometry and light-scattering techniques in evaluation of nutraceuticals. , 2021, , 379-393.  |     | 0         |
| 33 | Low-Dose Ammonium Preconditioning Enhances Endurance in Submaximal Physical Exercises. <i>Sports</i> , 2021, 9, 29.   | 1.7 | 0         |
| 34 | Chloride gradient is the driving force for ammonia/ammonium influx in human red blood cells. <i>FASEB Journal</i> , 2021, 35, .   | 0.5 | 0         |