

# Rakesh Rathore

## List of Publications by Year in descending order

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9  
papers

637  
citations

1040056

9  
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1474206

9  
g-index

9  
all docs

9  
docs citations

9  
times ranked

773  
citing authors

#	ARTICLE	IF	CITATIONS
1	Hypoxia activates NADPH oxidase to increase [ROS] <sub>i</sub> and [Ca <sup>2+</sup> ] <sub>i</sub> through the mitochondrial ROS-PKC $\epsilon$ signaling axis in pulmonary artery smooth muscle cells. <i>Free Radical Biology and Medicine</i> , 2008, 45, 1223-1231.	2.9	255
2	Membrane depolarization causes a direct activation of G protein-coupled receptors leading to local Ca <sup>2+</sup> release in smooth muscle. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2009, 106, 11418-11423.	7.1	89
3	Type-3 Ryanodine Receptors Mediate Hypoxia-, but Not Neurotransmitter-induced Calcium Release and Contraction in Pulmonary Artery Smooth Muscle Cells. <i>Journal of General Physiology</i> , 2005, 125, 427-440.	1.9	82
4	Mitochondrial ROS-PKC $\mu$ signaling axis is uniquely involved in hypoxic increase in [Ca <sup>2+</sup> ] <sub>i</sub> in pulmonary artery smooth muscle cells. <i>Biochemical and Biophysical Research Communications</i> , 2006, 351, 784-790.	2.1	64
5	Heterogeneous Gene Expression and Functional Activity of Ryanodine Receptors in Resistance and Conduit Pulmonary as well as Mesenteric Artery Smooth Muscle Cells. <i>Journal of Vascular Research</i> , 2008, 45, 469-479.	1.4	37
6	Genetic evidence for functional role of ryanodine receptor 1 in pulmonary artery smooth muscle cells. <i>Pflugers Archiv European Journal of Physiology</i> , 2009, 457, 771-783.	2.8	37
7	Development of an Inhibitor Screening Platform via Mass Spectrometry. <i>Journal of Biomolecular Screening</i> , 2008, 13, 1007-1013.	2.6	29
8	Extending matrix-assisted laser desorption/ionization triple quadrupole mass spectrometry enzyme screening assays to targets with small molecule substrates. <i>Rapid Communications in Mass Spectrometry</i> , 2009, 23, 3293-3300.	1.5	27
9	Multiplex Enzyme Assays and Inhibitor Screening by Mass Spectrometry. <i>Journal of Biomolecular Screening</i> , 2010, 15, 1001-1007.	2.6	17