

# Sergey Ivanov

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/4402486/publications.pdf>

Version: 2024-02-01

18  
papers

2,152  
citations

516710

16  
h-index

839539

18  
g-index

18  
all docs

18  
docs citations

18  
times ranked

2319  
citing authors

#	ARTICLE	IF	CITATIONS
1	Strigolactone Biosynthesis in <i>Medicago truncatula</i> and Rice Requires the Symbiotic GRAS-Type Transcription Factors NSP1 and NSP2. <i>Plant Cell</i> , 2011, 23, 3853-3865.	6.6	291
2	A Nodule-Specific Protein Secretory Pathway Required for Nitrogen-Fixing Symbiosis. <i>Science</i> , 2010, 327, 1126-1129.	12.6	251
3	Single Nucleus Genome Sequencing Reveals High Similarity among Nuclei of an Endomycorrhizal Fungus. <i>PLoS Genetics</i> , 2014, 10, e1004078.	3.5	238
4	<i>Rhizobium</i> "legume symbiosis shares an exocytotic pathway required for arbuscule formation. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012, 109, 8316-8321.	7.1	213
5	Durable broad-spectrum powdery mildew resistance in pea <i>er1</i> plants is conferred by natural loss-of-function mutations in <i>PsMLO1</i> . <i>Molecular Plant Pathology</i> , 2011, 12, 866-878.	4.2	165
6	<i>Medicago</i> N <sub>2</sub> -Fixing Symbiosomes Acquire the Endocytic Identity Marker Rab7 but Delay the Acquisition of Vacuolar Identity. <i>Plant Cell</i> , 2009, 21, 2811-2828.	6.6	142
7	Remodeling of the Infection Chamber before Infection Thread Formation Reveals a Two-Step Mechanism for Rhizobial Entry into the Host Legume Root Hair. <i>Plant Physiology</i> , 2015, 167, 1233-1242.	4.8	127
8	A set of fluorescent protein-based markers expressed from constitutive and arbuscular mycorrhiza-inducible promoters to label organelles, membranes and cytoskeletal elements in <i>Medicago truncatula</i> . <i>Plant Journal</i> , 2014, 80, 1151-1163.	5.7	121
9	EXO70I Is Required for Development of a Sub-domain of the Periarbuscular Membrane during Arbuscular Mycorrhizal Symbiosis. <i>Current Biology</i> , 2015, 25, 2189-2195.	3.9	120
10	Multiple Exocytotic Markers Accumulate at the Sites of Perifungal Membrane Biogenesis in Arbuscular Mycorrhizas. <i>Plant and Cell Physiology</i> , 2012, 53, 244-255.	3.1	107
11	Genome and evolution of the arbuscular mycorrhizal fungus <i>Diversispora epigaea</i> (formerly <i>Tj ETQq1</i> ). <i>Overlooked</i>	7.3	88
12	Extensive membrane systems at the host-arbuscular mycorrhizal fungus interface. <i>Nature Plants</i> , 2019, 5, 194-203.	9.3	85
13	ARP2/3-Mediated Actin Nucleation Associated With Symbiosome Membrane Is Essential for the Development of Symbiosomes in Infected Cells of <i>Medicago truncatula</i> Root Nodules. <i>Molecular Plant-Microbe Interactions</i> , 2015, 28, 605-614.	2.6	68
14	Exocytosis for endosymbiosis: membrane trafficking pathways for development of symbiotic membrane compartments. <i>Current Opinion in Plant Biology</i> , 2017, 38, 101-108.	7.1	54
15	Intracellular plant-microbe associations: secretory pathways and the formation of perimicrobial compartments. <i>Current Opinion in Plant Biology</i> , 2010, 13, 372-377.	7.1	45
16	Accumulation of phosphoinositides in distinct regions of the periarbuscular membrane. <i>New Phytologist</i> , 2019, 221, 2213-2227.	7.3	24
17	<i>scp</i> <i>KIN3</i> impacts arbuscular mycorrhizal symbiosis and promotes fungal colonisation in <i>Medicago truncatula</i> . <i>Plant Journal</i> , 2022, 110, 513-528.	5.7	9
18	A genetically encoded biosensor reveals spatiotemporal variation in cellular phosphate content in <i>Brachypodium distachyon</i> mycorrhizal roots. <i>New Phytologist</i> , 2022, 234, 1817-1831.	7.3	4