

# Ilya Seregin

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/4427804/publications.pdf>

Version: 2024-02-01

37  
papers

2,090  
citations

393982

19  
h-index

360668

35  
g-index

37  
all docs

37  
docs citations

37  
times ranked

2159  
citing authors

#	ARTICLE	IF	CITATIONS
1	Histidine-Mediated Nickel and Zinc Translocation in <i>Arabidopsis thaliana</i> and <i>Lepidium ruderales</i> . <i>Russian Journal of Plant Physiology</i> , 2022, 69, 1.	0.5	2
2	Nickel Tolerance and Accumulation Capacities in Different Populations of the Hyperaccumulator <i>Noccaea caerulescens</i> . <i>Russian Journal of Plant Physiology</i> , 2022, 69, .	0.5	2
3	Low-molecular-weight ligands in plants: role in metal homeostasis and hyperaccumulation. <i>Photosynthesis Research</i> , 2021, 150, 51-96.	1.6	37
4	Histidine-Mediated Nickel and Zinc Translocation in Intact Plants of the Hyperaccumulator <i>Noccaea caerulescens</i> . <i>Russian Journal of Plant Physiology</i> , 2021, 68, S37-S50.	0.5	6
5	Correlated Variation of the Zn Accumulation and Tolerance Capacities among Populations and Ecotypes of the Zn Hyperaccumulator, <i>Noccaea caerulescens</i> . <i>Russian Journal of Plant Physiology</i> , 2021, 68, S26-S36.	0.5	3
6	Translocation of Ni and Zn in <i>Odontarrhena corsica</i> and <i>Noccaea caerulescens</i> : the effects of exogenous histidine and Ni/Zn interactions. <i>Plant and Soil</i> , 2021, 468, 295-318.	1.8	9
7	Intra-specific variation in zinc, cadmium and nickel hypertolerance and hyperaccumulation capacities in <i>Noccaea caerulescens</i> . <i>Plant and Soil</i> , 2020, 452, 479-498.	1.8	23
8	Accumulation of Nickel by Excluder <i>Thlaspi arvense</i> and Hyperaccumulator <i>Noccaea caerulescens</i> upon Short-Term and Long-Term Exposure. <i>Russian Journal of Plant Physiology</i> , 2020, 67, 303-311.	0.5	9
9	Comparison of L-Histidine Effects on Nickel Translocation into the Shoots of Different Species of the Genus <i>Alyssum</i> . <i>Russian Journal of Plant Physiology</i> , 2019, 66, 340-344.	0.5	8
10	Transcriptional effects of cadmium on iron homeostasis differ in calamine accessions of <i>Noccaea caerulescens</i> . <i>Plant Journal</i> , 2019, 97, 306-320.	2.8	27
11	Zinc accumulation and distribution over tissues in <i>Noccaea caerulescens</i> in nature and in hydroponics: a comparison. <i>Plant and Soil</i> , 2017, 411, 5-16.	1.8	18
12	Cadmium tolerance and accumulation in Excluder <i>Thlaspi arvense</i> and various accessions of hyperaccumulator <i>Noccaea caerulescens</i> . <i>Russian Journal of Plant Physiology</i> , 2015, 62, 837-846.	0.5	32
13	Histidine promotes the loading of nickel and zinc, but not of cadmium, into the xylem in <i>Noccaea caerulescens</i> . <i>Plant Signaling and Behavior</i> , 2014, 9, e29580.	1.2	14
14	Nickel and zinc effects, accumulation and distribution in ruderal plants <i>Lepidium ruderales</i> and <i>Capsella bursa-pastoris</i> . <i>Acta Physiologiae Plantarum</i> , 2014, 36, 3291-3305.	1.0	12
15	Histidine-mediated xylem loading of zinc is a species-wide character in <i>Noccaea caerulescens</i> . <i>New Phytologist</i> , 2014, 203, 508-519.	3.5	54
16	Nickel and zinc accumulation capacities and tolerance to these metals in the excluder <i>Thlaspi arvense</i> and the hyperaccumulator <i>Noccaea caerulescens</i> . <i>Russian Journal of Plant Physiology</i> , 2014, 61, 204-214.	0.5	24
17	Tissue zinc distribution in maize seedling roots and its action on growth. <i>Russian Journal of Plant Physiology</i> , 2011, 58, 109-117.	0.5	19
18	Histochemical methods for detection of heavy metals and strontium in the tissues of higher plants. <i>Russian Journal of Plant Physiology</i> , 2011, 58, 721-727.	0.5	48

#	ARTICLE	IF	CITATIONS
19	10.1007/s11183-008-1001-8. , 2010, 55, 1.		2
20	Histochemical analysis of nickel distribution in the hyperaccumulator and excluder in the genus <i>Alyssum L.</i> Doklady Biological Sciences, 2009, 429, 548-550.	0.2	7
21	Chelation by histidine inhibits the vacuolar sequestration of nickel in roots of the hyperaccumulator <i>Thlaspi caerulescens</i> . New Phytologist, 2009, 183, 106-116.	3.5	127
22	Enhancement of nickel and lead accumulation and their toxic growth-inhibitory effects on amaranth seedlings in the presence of calcium. Russian Journal of Plant Physiology, 2009, 56, 80-84.	0.5	8
23	The effects of lead, nickel, and strontium nitrates on cell division and elongation in maize roots. Russian Journal of Plant Physiology, 2009, 56, 242-250.	0.5	40
24	Roles of root and shoot tissues in transport and accumulation of cadmium, lead, nickel, and strontium. Russian Journal of Plant Physiology, 2008, 55, 1-22.	0.5	155
25	Role of root and shoot tissues of excluders and hyperaccumulators in nickel transport and accumulation. Doklady Biological Sciences, 2007, 415, 295-297.	0.2	9
26	Effects of cadmium and lead on phytochelatin accumulation in maize shoots and different root parts. Doklady Biological Sciences, 2007, 415, 304-306.	0.2	10
27	Effects of heavy metals and strontium on division of root cap cells and meristem structural organization. Russian Journal of Plant Physiology, 2007, 54, 257-266.	0.5	23
28	Physiological role of nickel and its toxic effects on higher plants. Russian Journal of Plant Physiology, 2006, 53, 257-277.	0.5	447
29	Distribution of Cadmium, Lead, Nickel, and Strontium in Imbibing Maize Caryopses. Russian Journal of Plant Physiology, 2005, 52, 565-569.	0.5	46
30	Strontium Transport, Distribution, and Toxic Effects on Maize Seedling Growth. Russian Journal of Plant Physiology, 2004, 51, 215-221.	0.5	44
31	Distribution and Toxic Effects of Cadmium and Lead on Maize Roots. Russian Journal of Plant Physiology, 2004, 51, 525-533.	0.5	160
32	Comparative Impacts of Heavy Metals on Root Growth as Related to Their Specificity and Selectivity. Russian Journal of Plant Physiology, 2003, 50, 398-406.	0.5	57
33	Nickel Toxicity and Distribution in Maize Roots. Russian Journal of Plant Physiology, 2003, 50, 711-717.	0.5	83
34	Plasmolysis as a Tool to Reveal Lead Localization in the Apoplast of Root Cells. Russian Journal of Plant Physiology, 2002, 49, 283-285.	0.5	12
35	Physiological Aspects of Cadmium and Lead Toxic Effects on Higher Plants. Russian Journal of Plant Physiology, 2001, 48, 523-544.	0.5	462
36	Lead effects on cereal roots in terms of cell growth, root architecture and metal accumulation. , 2001, , 165-170.		5

#	ARTICLE	IF	CITATIONS
37	Root growth responses to lead in young maize seedlings. Plant and Soil, 1998, 200, 55-61.	1.8	46