

Jan Dvorak

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/2599287/publications.pdf>

Version: 2024-02-01

59
papers

6,828
citations

136950

32
h-index

138484

58
g-index

60
all docs

60
docs citations

60
times ranked

6052
citing authors

#	ARTICLE	IF	CITATIONS
1	Population genomic analysis of <i>Aegilops tauschii</i> identifies targets for bread wheat improvement. <i>Nature Biotechnology</i> , 2022, 40, 422-431.	17.5	102
2	Co-located quantitative trait loci mediate resistance to <i>Agrobacterium tumefaciens</i> , <i>Phytophthora cinnamomi</i> , and <i>P. pini</i> in <i>Juglans microcarpa</i> × <i>J. regia</i> hybrids. <i>Horticulture Research</i> , 2021, 8, 111.	6.3	4
3	Spatial expression pattern of serine proteases in the blood fluke <i>Schistosoma mansoni</i> determined by fluorescence RNA in situ hybridization. <i>Parasites and Vectors</i> , 2021, 14, 274.	2.5	2
4	High molecular weight glutenin gene diversity in <i>Aegilops tauschii</i> demonstrates unique origin of superior wheat quality. <i>Communications Biology</i> , 2021, 4, 1242.	4.4	14
5	Perennial growth and salinity tolerance in wheat × wheatgrass amphiploids varying in the ratio of wheat to wheatgrass genomes. <i>Plant Breeding</i> , 2020, 139, 1281-1289.	1.9	0
6	Serum amyloid A is a soluble pattern recognition receptor that drives type 2 immunity. <i>Nature Immunology</i> , 2020, 21, 756-765.	14.5	63
7	Introgression of perennial growth habit from <i>Lophopyrum elongatum</i> into wheat. <i>Theoretical and Applied Genetics</i> , 2020, 133, 2545-2554.	3.6	4
8	Genome-wide introgression from a bread wheat × <i>Lophopyrum elongatum</i> amphiploid into wheat. <i>Theoretical and Applied Genetics</i> , 2020, 133, 1227-1241.	3.6	7
9	Sensitive Fluorescence In Situ Hybridization on Semithin Sections of Adult <i>Schistosoma mansoni</i> Using DIG-Labeled RNA Probes. <i>Methods in Molecular Biology</i> , 2020, 2151, 43-53.	0.9	2
10	Collection of Excretory/Secretory Products from Individual Developmental Stages of the Blood Fluke <i>Schistosoma mansoni</i> . <i>Methods in Molecular Biology</i> , 2020, 2151, 55-63.	0.9	5
11	A rare gain of function mutation in a wheat tandem kinase confers resistance to powdery mildew. <i>Nature Communications</i> , 2020, 11, 680.	12.8	119
12	Recombination between homoeologous chromosomes induced in durum wheat by the <i>Aegilops speltoides</i> Su1-Ph1 suppressor. <i>Theoretical and Applied Genetics</i> , 2019, 132, 3265-3276.	3.6	8
13	A fine-scale genetic linkage map reveals genomic regions associated with economic traits in walnut (<i>Juglans regia</i>). <i>Plant Breeding</i> , 2019, 138, 635-646.	1.9	10
14	Myopia disease mouse models: a missense point mutation (S673G) and a protein-truncating mutation of the Zfp644 mimic human disease phenotype. <i>Cell and Bioscience</i> , 2019, 9, 21.	4.8	5
15	Sequencing a <i>Juglans regia</i> × <i>J. microcarpa</i> hybrid yields high-quality genome assemblies of parental species. <i>Horticulture Research</i> , 2019, 6, 55.	6.3	67
16	A novel Kunitz protein with proposed dual function from <i>Eudiplozoon nipponicum</i> (Monogenea) impairs haemostasis and action of complement in vitro. <i>International Journal for Parasitology</i> , 2019, 49, 337-346.	3.1	16
17	Serine proteases in schistosomes and other trematodes. <i>International Journal for Parasitology</i> , 2018, 48, 333-344.	3.1	15
18	Identification and partial characterization of a novel serpin from <i>Eudiplozoon nipponicum</i> (Monogenea, Polyopisthocotylea). <i>Parasite</i> , 2018, 25, 61.	2.0	12

#	ARTICLE	IF	CITATIONS
19	Structural variation and rates of genome evolution in the grass family seen through comparison of sequences of genomes greatly differing in size. <i>Plant Journal</i> , 2018, 95, 487-503.	5.7	31
20	SmSP2: A serine protease secreted by the blood fluke pathogen <i>Schistosoma mansoni</i> with anti-hemostatic properties. <i>PLoS Neglected Tropical Diseases</i> , 2018, 12, e0006446.	3.0	26
21	Cysteine peptidases of <i>Eudiplozoon nipponicum</i> : a broad repertoire of structurally assorted cathepsins L in contrast to the scarcity of cathepsins B in an invasive species of haematophagous monogenean of common carp. <i>Parasites and Vectors</i> , 2018, 11, 142.	2.5	30
22	Reassessment of the evolution of wheat chromosomes 4A, 5A, and 7B. <i>Theoretical and Applied Genetics</i> , 2018, 131, 2451-2462.	3.6	66
23	Genome sequence of the progenitor of the wheat D genome <i>Aegilops tauschii</i> . <i>Nature</i> , 2017, 551, 498-502.	27.8	563
24	Introgression of the <i>Aegilops speltoides</i> Su1-Ph1 Suppressor into Wheat. <i>Frontiers in Plant Science</i> , 2017, 8, 2163.	3.6	45
25	Protective immune responses against <i>Schistosoma mansoni</i> infection by immunization with functionally active gut-derived cysteine peptidases alone and in combination with glyceraldehyde 3-phosphate dehydrogenase. <i>PLoS Neglected Tropical Diseases</i> , 2017, 11, e0005443.	3.0	43
26	Unexpected Activity of a Novel Kunitz-type Inhibitor. <i>Journal of Biological Chemistry</i> , 2016, 291, 19220-19234.	3.4	29
27	Parasite Cathepsin D-Like Peptidases and Their Relevance as Therapeutic Targets. <i>Trends in Parasitology</i> , 2016, 32, 708-723.	3.3	25
28	Excretion/secretion products from <i>Schistosoma mansoni</i> adults, eggs and schistosomula have unique peptidase specificity profiles. <i>Biochimie</i> , 2016, 122, 99-109.	2.6	31
29	Synteny analysis in Rosids with a walnut physical map reveals slow genome evolution in long-lived woody perennials. <i>BMC Genomics</i> , 2015, 16, 707.	2.8	83
30	Prolyl Oligopeptidase from the Blood Fluke <i>Schistosoma mansoni</i> : From Functional Analysis to Anti-schistosomal Inhibitors. <i>PLoS Neglected Tropical Diseases</i> , 2015, 9, e0003827.	3.0	34
31	Genetic and physical mapping of powdery mildew resistance gene MHLT in Chinese wheat landrace Hulutou. <i>Theoretical and Applied Genetics</i> , 2015, 128, 365-373.	3.6	48
32	Trypsin- and Chymotrypsin-Like Serine Proteases in <i>Schistosoma mansoni</i> – “The Undiscovered Country”. <i>PLoS Neglected Tropical Diseases</i> , 2014, 8, e2766.	3.0	31
33	Characterization of polyploid wheat genomic diversity using a high-density 90,000 single nucleotide polymorphism array. <i>Plant Biotechnology Journal</i> , 2014, 12, 787-796.	8.3	1,828
34	Activating the Cathepsin B1 of a Parasite: A Major Route with Alternative Pathways?. <i>Structure</i> , 2014, 22, 1696-1698.	3.3	3
35	<i>Aegilops tauschii</i> single nucleotide polymorphisms shed light on the origins of wheat D-genome genetic diversity and pinpoint the geographic origin of hexaploid wheat. <i>New Phytologist</i> , 2013, 198, 925-937.	7.3	243
36	A 4-gigabase physical map unlocks the structure and evolution of the complex genome of <i>Aegilops tauschii</i> , the wheat D-genome progenitor. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013, 110, 7940-7945.	7.1	214

#	ARTICLE	IF	CITATIONS
37	Genome-wide SNP discovery in walnut with an AGSNP pipeline updated for SNP discovery in allogamous organisms. <i>BMC Genomics</i> , 2012, 13, 354.	2.8	47
38	IrCL1 – The haemoglobinolytic cathepsin L of the hard tick, <i>Ixodes ricinus</i> . <i>International Journal for Parasitology</i> , 2011, 41, 1253-1262.	3.1	40
39	Cathepsins B1 and B2 of <i>Trichobilharzia</i> spp., Bird Schistosomes Causing Cercarial Dermatitis. <i>Advances in Experimental Medicine and Biology</i> , 2011, 712, 136-154.	1.6	8
40	Biolistic transformation of <i>Schistosoma mansoni</i> : Studies with modified reporter-gene constructs containing regulatory regions of protease genes. <i>Molecular and Biochemical Parasitology</i> , 2010, 170, 37-40.	1.1	18
41	Nucleotide diversity maps reveal variation in diversity among wheat genomes and chromosomes. <i>BMC Genomics</i> , 2010, 11, 702.	2.8	189
42	Rapid induction of IgE responses to a worm cysteine protease during murine pre-patent schistosome infection. <i>BMC Immunology</i> , 2010, 11, 56.	2.2	33
43	RNA Interference in <i>Schistosoma mansoni</i> Schistosomula: Selectivity, Sensitivity and Operation for Larger-Scale Screening. <i>PLoS Neglected Tropical Diseases</i> , 2010, 4, e850.	3.0	107
44	The functional expression and characterisation of a cysteine peptidase from the invasive stage of the neuropathogenic schistosome <i>Trichobilharzia regenti</i> . <i>International Journal for Parasitology</i> , 2009, 39, 201-211.	3.1	30
45	Single nucleotide polymorphism genotyping in polyploid wheat with the Illumina GoldenGate assay. <i>Theoretical and Applied Genetics</i> , 2009, 119, 507-517.	3.6	257
46	Aza-Peptidyl Michael Acceptor and Epoxide Inhibitors – Potent and Selective Inhibitors of <i>Schistosoma mansoni</i> and <i>Ixodes ricinus</i> Legumains (Asparaginy Endopeptidases). <i>Journal of Medicinal Chemistry</i> , 2009, 52, 7192-7210.	6.4	33
47	Chapter 4 Peptidases of Trematodes. <i>Advances in Parasitology</i> , 2009, 69, 205-297.	3.2	70
48	SmCL3, a Gastrodermal Cysteine Protease of the Human Blood Fluke <i>Schistosoma mansoni</i> . <i>PLoS Neglected Tropical Diseases</i> , 2009, 3, e449.	3.0	45
49	Aza-peptidyl Michael Acceptors. A New Class of Potent and Selective Inhibitors of Asparaginy Endopeptidases (Legumains) from Evolutionarily Diverse Pathogens. <i>Journal of Medicinal Chemistry</i> , 2008, 51, 2816-2832.	6.4	42
50	Differential use of protease families for invasion by schistosome cercariae. <i>Biochimie</i> , 2008, 90, 345-358.	2.6	100
51	Genome Plasticity a Key Factor in the Success of Polyploid Wheat Under Domestication. <i>Science</i> , 2007, 316, 1862-1866.	12.6	886
52	IrAE – An asparaginy endopeptidase (legumain) in the gut of the hard tick <i>Ixodes ricinus</i> . <i>International Journal for Parasitology</i> , 2007, 37, 713-724.	3.1	79
53	Molecular Characterization of a Diagnostic DNA Marker for Domesticated Tetraploid Wheat Provides Evidence for Gene Flow from Wild Tetraploid Wheat to Hexaploid Wheat. <i>Molecular Biology and Evolution</i> , 2006, 23, 1386-1396.	8.9	187
54	A Multienzyme Network Functions in Intestinal Protein Digestion by a Platyhelminth Parasite. <i>Journal of Biological Chemistry</i> , 2006, 281, 39316-39329.	3.4	214

#	ARTICLE	IF	CITATIONS
55	Multiple cathepsin B isoforms in schistosomula of <i>Trichobilharzia regenti</i> : identification, characterisation and putative role in migration and nutrition. <i>International Journal for Parasitology</i> , 2005, 35, 895-910.	3.1	50
56	In vitro stimulation of penetration gland emptying by <i>Trichobilharzia szidati</i> and <i>T. regenti</i> (Schistosomatidae) cercariae. Quantitative collection and partial characterization of the products. <i>Parasitology Research</i> , 2005, 96, 230-241.	1.6	35
57	Aza-Peptide Michael Acceptors: A New Class of Inhibitors Specific for Caspases and Other Clan CD Cysteine Proteases. <i>Journal of Medicinal Chemistry</i> , 2004, 47, 1889-1892.	6.4	76
58	The evolution of polyploid wheats: identification of the A genome donor species. <i>Genome</i> , 1993, 36, 21-31.	2.0	389
59	Expression of Tolerance of Na ⁺ , K ⁺ , Mg ²⁺ , Cl ⁻ and SO ₄ ²⁻ Ions and Sea Water in the Amphiploid of <i>Triticum aestivum</i> × <i>Elytrigia elongata</i> ¹ . <i>Crop Science</i> , 1986, 26, 658-660.	1.8	55