

James P Mccarter

List of Publications by Year in descending order

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58
papers

4,632
citations

101543

36
h-index

133252

59
g-index

66
all docs

66
docs citations

66
times ranked

3843
citing authors

#	ARTICLE	IF	CITATIONS
1	Draft Genome of the Filarial Nematode Parasite <i>Brugia malayi</i> . <i>Science</i> , 2007, 317, 1756-1760.	12.6	571
2	On the Control of Oocyte Meiotic Maturation and Ovulation in <i>Caenorhabditis elegans</i> . <i>Developmental Biology</i> , 1999, 205, 111-128.	2.0	451
3	The draft genome of the parasitic nematode <i>Trichinella spiralis</i> . <i>Nature Genetics</i> , 2011, 43, 228-235.	21.4	285
4	Effectiveness and Safety of a Novel Care Model for the Management of Type 2 Diabetes at 1 Year: An Open-Label, Non-Randomized, Controlled Study. <i>Diabetes Therapy</i> , 2018, 9, 583-612.	2.5	267
5	A transcriptomic analysis of the phylum Nematoda. <i>Nature Genetics</i> , 2004, 36, 1259-1267.	21.4	239
6	Soma-Germ Cell Interactions in <i>Caenorhabditis elegans</i> : Multiple Events of Hermaphrodite Germline Development Require the Somatic Sheath and Spermathecal Lineages. <i>Developmental Biology</i> , 1997, 181, 121-143.	2.0	234
7	Long-Term Effects of a Novel Continuous Remote Care Intervention Including Nutritional Ketosis for the Management of Type 2 Diabetes: A 2-Year Non-randomized Clinical Trial. <i>Frontiers in Endocrinology</i> , 2019, 10, 348.	3.5	202
8	Comparative genomics of nematodes. <i>Trends in Genetics</i> , 2005, 21, 573-581.	6.7	141
9	emo-1, a <i>Caenorhabditis elegans</i> Sec61p gamma homologue, is required for oocyte development and ovulation. <i>Journal of Cell Biology</i> , 1996, 134, 699-714.	5.2	135
10	Cardiovascular disease risk factor responses to a type 2 diabetes care model including nutritional ketosis induced by sustained carbohydrate restriction at 1 year: an open label, non-randomized, controlled study. <i>Cardiovascular Diabetology</i> , 2018, 17, 56.	6.8	135
11	Horizontally transferred genes in plant-parasitic nematodes: a high-throughput genomic approach. <i>Genome Biology</i> , 2003, 4, R39.	9.6	134
12	Analysis and functional classification of transcripts from the nematode <i>Meloidogyne incognita</i> . <i>Genome Biology</i> , 2003, 4, R26.	9.6	133
13	A Novel Intervention Including Individualized Nutritional Recommendations Reduces Hemoglobin A1c Level, Medication Use, and Weight in Type 2 Diabetes. <i>JMIR Diabetes</i> , 2017, 2, e5.	1.9	120
14	The Genomes of Root-Knot Nematodes. <i>Annual Review of Phytopathology</i> , 2009, 47, 333-351.	7.8	104
15	Comparative Genomics of Gene Expression in the Parasitic and Free-Living Nematodes <i>Strongyloides stercoralis</i> and <i>Caenorhabditis elegans</i> . <i>Genome Research</i> , 2004, 14, 209-220.	5.5	87
16	Nematode.net: a tool for navigating sequences from parasitic and free-living nematodes. <i>Nucleic Acids Research</i> , 2004, 32, 423D-426.	14.5	76
17	Phosphoethanolamine N-methyltransferase (PMT-1) catalyses the first reaction of a new pathway for phosphocholine biosynthesis in <i>Caenorhabditis elegans</i> . <i>Biochemical Journal</i> , 2007, 404, 439-448.	3.7	69
18	Defining the Role of Phosphomethylethanolamine N-Methyltransferase from <i>Caenorhabditis elegans</i> in Phosphocholine Biosynthesis by Biochemical and Kinetic Analysis. <i>Biochemistry</i> , 2006, 45, 6056-6065.	2.5	68

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19	Ivermectin Resistance in <i>Onchocerca volvulus</i> : Toward a Genetic Basis. <i>PLoS Neglected Tropical Diseases</i> , 2007, 1, e76.	3.0	62
20	400,000 nematode ESTs on the Net. <i>Trends in Parasitology</i> , 2003, 19, 283-286.	3.3	61
21	Genomic filtering: an approach to discovering novel antiparasitics. <i>Trends in Parasitology</i> , 2004, 20, 462-468.	3.3	60
22	Codon usage patterns in Nematoda: analysis based on over 25 million codons in thirty-two species. <i>Genome Biology</i> , 2006, 7, R75.	9.6	60
23	Gene discovery in the adenophorean nematode <i>Trichinella spiralis</i> : an analysis of transcription from three life cycle stages. <i>Molecular and Biochemical Parasitology</i> , 2004, 137, 277-291.	1.1	56
24	RNAi-based discovery and validation of new drug targets in filarial nematodes. <i>Trends in Parasitology</i> , 2005, 21, 97-100.	3.3	55
25	mRNA sequences for <i>Haemonchus contortus</i> intestinal cathepsin B-like cysteine proteases display an extreme in abundance and diversity compared with other adult mammalian parasitic nematodes. <i>Molecular and Biochemical Parasitology</i> , 2004, 137, 297-305.	1.1	51
26	Investigating hookworm genomes by comparative analysis of two <i>Ancylostoma</i> species. <i>BMC Genomics</i> , 2005, 6, 58.	2.8	47
27	Detection of putative secreted proteins in the plant-parasitic nematode <i>Heterodera schachtii</i> . <i>Parasitology Research</i> , 2006, 98, 414-424.	1.6	46
28	Parasitic nematodes—From genomes to control. <i>Veterinary Parasitology</i> , 2007, 148, 31-42.	1.8	43
29	Sequence mining and transcript profiling to explore cyst nematode parasitism. <i>BMC Genomics</i> , 2009, 10, 58.	2.8	43
30	Intestinal Transcriptomes of Nematodes: Comparison of the Parasites <i>Ascaris suum</i> and <i>Haemonchus contortus</i> with the Free-living <i>Caenorhabditis elegans</i> . <i>PLoS Neglected Tropical Diseases</i> , 2008, 2, e269.	3.0	42
31	The 20,000 Da variant of human growth hormone does not bind to growth hormone receptors in human liver. <i>Molecular and Cellular Endocrinology</i> , 1990, 73, 11-14.	3.2	41
32	Divergent evolution of arrested development in the dauer stage of <i>Caenorhabditis elegans</i> and the infective stage of <i>Heterodera glycines</i> . <i>Genome Biology</i> , 2007, 8, R211.	9.6	40
33	Impact of a 2-year trial of nutritional ketosis on indices of cardiovascular disease risk in patients with type 2 diabetes. <i>Cardiovascular Diabetology</i> , 2020, 19, 208.	6.8	40
34	An expressed sequence tag analysis of the life-cycle of the parasitic nematode <i>Strongyloides ratti</i> . <i>Molecular and Biochemical Parasitology</i> , 2005, 142, 32-46.	1.1	39
35	Post hoc analyses of surrogate markers of non-alcoholic fatty liver disease (NAFLD) and liver fibrosis in patients with type 2 diabetes in a digitally supported continuous care intervention: an open-label, non-randomised controlled study. <i>BMJ Open</i> , 2019, 9, e023597.	1.9	38
36	The canine hookworm genome: Analysis and classification of <i>Ancylostoma caninum</i> survey sequences. <i>Molecular and Biochemical Parasitology</i> , 2008, 157, 187-192.	1.1	36

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37	Rapid gene discovery in plant parasitic nematodes via Expressed Sequence Tags. <i>Nematology</i> , 2000, 2, 719-731.	0.6	34
38	<i>Nematology</i> : terra incognita no more. <i>Nature Biotechnology</i> , 2008, 26, 882-884.	17.5	26
39	NemaPath: online exploration of KEGG-based metabolic pathways for nematodes. <i>BMC Genomics</i> , 2008, 9, 525.	2.8	26
40	Tioxazafen: A New Broad-Spectrum Seed Treatment Nematicide. <i>ACS Symposium Series</i> , 2015, , 129-147.	0.5	26
41	Improvement in patient-reported sleep in type 2 diabetes and prediabetes participants receiving a continuous care intervention with nutritional ketosis. <i>Sleep Medicine</i> , 2019, 55, 92-99.	1.6	22
42	Expressed sequence tags from life cycle stages of <i>Trichinella spiralis</i> : Application to biology and parasite control. <i>Veterinary Parasitology</i> , 2005, 132, 13-17.	1.8	21
43	<i>Caenorhabditis</i> Globin genes: Rapid intronic divergence contrasts with conservation of silent exonic sites. <i>Journal of Molecular Evolution</i> , 1996, 43, 101-108.	1.8	17
44	Identification and analysis of genes expressed in the adult filarial parasitic nematode <i>Dirofilaria immitis</i> . <i>International Journal for Parasitology</i> , 2006, 36, 829-839.	3.1	15
45	Thermodynamic Evaluation of Ligand Binding in the Plant-like Phosphoethanolamine Methyltransferases of the Parasitic Nematode <i>Haemonchus contortus</i> . <i>Journal of Biological Chemistry</i> , 2011, 286, 38060-38068.	3.4	15
46	Type 2 Diabetes Prevention Focused on Normalization of Glycemia: A Two-Year Pilot Study. <i>Nutrients</i> , 2021, 13, 749.	4.1	15
47	Characterization of a high-resolution breath acetone meter for ketosis monitoring. <i>PeerJ</i> , 2020, 8, e9969.	2.0	12
48	Nematode gene sequences: update for december 2005. <i>Journal of Nematology</i> , 2005, 37, 417-21.	0.9	12
49	Molecular determinants archetypical to the phylum Nematoda. <i>BMC Genomics</i> , 2009, 10, 114.	2.8	11
50	The transcriptomes of the cattle parasitic nematode <i>Ostertagia ostertagi</i> . <i>Veterinary Parasitology</i> , 2009, 162, 89-99.	1.8	11
51	Nematode gene sequences, update for june 2002. <i>Journal of Nematology</i> , 2002, 34, 71-4.	0.9	11
52	Continuous Remote Care Model Utilizing Nutritional Ketosis Improves Type 2 Diabetes Risk Factors in Patients with Prediabetes. <i>Diabetes</i> , 2018, 67, .	0.6	7
53	<i>Brugia malayi</i> : Effects of radiation and culture on gene expression in infective larvae. <i>Molecular and Biochemical Parasitology</i> , 2006, 149, 201-207.	1.1	6
54	Depressive symptoms improve over 2 years of type 2 diabetes treatment via a digital continuous remote care intervention focused on carbohydrate restriction. <i>Journal of Behavioral Medicine</i> , 2022, 45, 416-427.	2.1	6

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55	Genomics and Emerging Drug Discovery Technologies. Expert Opinion on Drug Discovery, 2007, 2, S83-S89.	5.0	4
56	Genome Analysis of Plant Parasitic Nematodes. , 2011, , 103-117.		4
57	Continuous care intervention with carbohydrate restriction improves physical function of the knees among patients with type 2 diabetes: a non-randomized study. BMC Musculoskeletal Disorders, 2022, 23, 297.	1.9	2
58	Minorities in Science: The Dialogue. Science, 1993, 259, 1108-1108.	12.6	0