

# Terry J Smith

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/4768322/publications.pdf>

Version: 2024-02-01

89  
papers

2,696  
citations

159525

30  
h-index

214721

47  
g-index

89  
all docs

89  
docs citations

89  
times ranked

3665  
citing authors

#	ARTICLE	IF	CITATIONS
1	3â€² Tth Endonuclease Cleavage Polymerase Chain Reaction (3TEC-PCR) Technology for Single-Base-Specific Multiplex Pathogen Detection using a Two-Oligonucleotide System. <i>International Journal of Molecular Sciences</i> , 2021, 22, 6061.	1.8	1
2	Development of a disposable cartridge real-time PCR test for detection of <i>Chlamydia trachomatis</i> directly from urine. <i>Sensors and Actuators B: Chemical</i> , 2021, 339, 129873.	4.0	4
3	Relative and Absolute Expression Analysis of MicroRNAs Associated with Luminal A Breast Cancerâ€“ A Comparison. <i>Pathology and Oncology Research</i> , 2020, 26, 833-844.	0.9	19
4	Loop-Primer Endonuclease Cleavageâ€“Loop-Mediated Isothermal Amplification Technology for Multiplex Pathogen Detection and Single-Nucleotide Polymorphism Identification. <i>Journal of Molecular Diagnostics</i> , 2020, 22, 640-651.	1.2	20
5	Duplex recombinase polymerase amplification assays incorporating competitive internal controls for bacterial meningitis detection. <i>Analytical Biochemistry</i> , 2018, 546, 10-16.	1.1	17
6	Evaluation of an Internally Controlled Multiplex Tth Endonuclease Cleavage Loop-Mediated Isothermal Amplification (TEC-LAMP) Assay for the Detection of Bacterial Meningitis Pathogens. <i>International Journal of Molecular Sciences</i> , 2018, 19, 524.	1.8	24
7	Amplification-free detection of microRNAs via a rapid microarray-based sandwich assay. <i>Analytical and Bioanalytical Chemistry</i> , 2017, 409, 3497-3505.	1.9	29
8	Subtle modifications to oxytocin produce ligands that retain potency and improved selectivity across species. <i>Science Signaling</i> , 2017, 10, .	1.6	34
9	Development of an on-disc isothermal in vitro amplification and detection of bacterial RNA. <i>Sensors and Actuators B: Chemical</i> , 2017, 239, 235-242.	4.0	27
10	Development and performance evaluation of a recombinase polymerase amplification assay for the rapid detection of group B streptococcus. <i>BMC Microbiology</i> , 2016, 16, 221.	1.3	16
11	Development of internally controlled duplex real-time NASBA diagnostics assays for the detection of microorganisms associated with bacterial meningitis. <i>Journal of Microbiological Methods</i> , 2016, 127, 197-202.	0.7	10
12	Effects of combined progesterone and 17Î²-estradiol treatment on the transcriptome of cultured human myometrial smooth muscle cells. <i>Physiological Genomics</i> , 2016, 48, 50-61.	1.0	13
13	Development of a rapid recombinase polymerase amplification assay for the detection of <i>Streptococcus pneumoniae</i> in whole blood. <i>BMC Infectious Diseases</i> , 2015, 15, 481.	1.3	51
14	Comparative genome analysis identifies novel nucleic acid diagnostic targets for use in the specific detection of <i>Haemophilus influenzae</i> . <i>Diagnostic Microbiology and Infectious Disease</i> , 2015, 83, 112-116.	0.8	8
15	Solvent-selective routing for centrifugally automated solid-phase purification of RNA. <i>Microfluidics and Nanofluidics</i> , 2015, 18, 859-871.	1.0	11
16	Alignment-free clustering of transcription factor binding motifs using a genetic-k-medoids approach. <i>BMC Bioinformatics</i> , 2015, 16, 22.	1.2	29
17	Cross Platform Standardisation of an Experimental Pipeline for Use in the Identification of Dysregulated Human Circulating MiRNAs. <i>PLoS ONE</i> , 2015, 10, e0137389.	1.1	7
18	Transcriptomic effects of estradiol treatment on cultured human uterine smooth muscle cells. <i>Molecular and Cellular Endocrinology</i> , 2014, 393, 16-23.	1.6	9

#	ARTICLE	IF	CITATIONS
19	Oxytocic plant cyclotides as templates for peptide G protein-coupled receptor ligand design. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, 21183-21188.	3.3	129
20	Decreased myometrial p160 ROCK-1 expression in obese women at term pregnancy. Reproductive Biology and Endocrinology, 2013, 11, 79.	1.4	10
21	Culture confirmation of <i>Listeria monocytogenes</i> using tmRNA as a diagnostics target. Journal of Microbiological Methods, 2012, 88, 427-429.	0.7	5
22	Ultrathin and smooth poly(methyl methacrylate) (PMMA) films for label-free biomolecule detection with total internal reflection ellipsometry (TIRE). Biosensors and Bioelectronics, 2012, 36, 250-256.	5.3	23
23	Uterine contractility of plants used to facilitate childbirth in Nigerian ethnomedicine. Journal of Ethnopharmacology, 2012, 143, 377-382.	2.0	59
24	Evaluating the Potential of Quantum Dots for In Vitro Biological Studies: Effects on Gene Expression Using Microarray Analysis. , 2012, 906, 171-183.		0
25	Effects of long-term exposure of gelatinated and non-gelatinated cadmium telluride quantum dots on differentiated PC12 cells. Journal of Nanobiotechnology, 2012, 10, 4.	4.2	22
26	Chrelin in the human myometrium. Reproductive Biology and Endocrinology, 2010, 8, 55.	1.4	23
27	Controlling cellular activity by manipulating silicone surface roughness. Colloids and Surfaces B: Biointerfaces, 2010, 78, 237-242.	2.5	59
28	Long-term exposure of CdTe quantum dots on PC12 cellular activity and the determination of optimum non-toxic concentrations for biological use. Journal of Nanobiotechnology, 2010, 8, 7.	4.2	49
29	Testes and brain gene expression in precocious male and adult maturing Atlantic salmon ( <i>Salmo</i> ) Tj ETQq1 1 0.784314 rgBT /Overlock 1.2 22		
30	Rapid detection of <i>Listeria monocytogenes</i> in food using culture enrichment combined with real-time PCR. Food Microbiology, 2009, 26, 4-7.	2.1	84
31	Evaluation of Human Endothelial Cells Post Stent Deployment in a Cardiovascular Simulator In Vitro. Annals of Biomedical Engineering, 2009, 37, 1322-1330.	1.3	24
32	Evaluation of a novel real-time PCR test based on the <i>ssrA</i> gene for the identification of group B streptococci in vaginal swabs. BMC Infectious Diseases, 2009, 9, 148.	1.3	35
33	Characterisation of the differentially regulated trout protein 1 (DRTP1) gene in rainbow trout ( <i>Oncorhynchus mykiss</i> ). Fish and Shellfish Immunology, 2009, 26, 589-598.	1.6	8
34	Acute phase gene expression in rainbow trout ( <i>Oncorhynchus mykiss</i> ) after exposure to a confinement stressor: A comparison of pooled and individual data. Fish and Shellfish Immunology, 2009, 27, 309-317.	1.6	54
35	Modulation of human uterine smooth muscle cell collagen contractility by thrombin, Y-27632, TNF alpha and indomethacin. Reproductive Biology and Endocrinology, 2009, 7, 2.	1.4	39
36	tmRNA “ a novel high-copy-number RNA diagnostic target “ its application for <i>Staphylococcus aureus</i> detection using real-time NASBA. FEMS Microbiology Letters, 2009, 301, 218-223.	0.7	29

#	ARTICLE	IF	CITATIONS
37	Human coronary artery smooth muscle cell response to a novel PLA textile/fibrin gel composite scaffold. <i>Acta Biomaterialia</i> , 2008, 4, 1734-1744.	4.1	30
38	Analysis of the effects of surface treatments on nickel release from nitinol wires and their impact on candidate gene expression in endothelial cells. <i>Journal of Materials Science: Materials in Medicine</i> , 2008, 19, 975-980.	1.7	21
39	The relaxant effect of nifedipine in human uterine smooth muscle and the BKCa channel. <i>American Journal of Obstetrics and Gynecology</i> , 2008, 198, 237.e1-237.e8.	0.7	20
40	REUSABLE SURFACE PLASMON RESONANCE ASSAY FOR THE SPECIFIC DETECTION OF <i>STREPTOCOCCUS PNEUMONIAE</i> tmRNA. <i>Journal of Rapid Methods and Automation in Microbiology</i> , 2008, 16, 210-221.	0.4	5
41	Rapid real-time PCR detection of <i>Listeria monocytogenes</i> in enriched food samples based on the <i>ssrA</i> gene, a novel diagnostic target. <i>Food Microbiology</i> , 2008, 25, 75-84.	2.1	128
42	Expression of RHOGTPase regulators in human myometrium. <i>Reproductive Biology and Endocrinology</i> , 2008, 6, 1.	1.4	46
43	Upregulation of PSCDBP, TLR2, TWIST1, FLJ35382, EDNRB, and RGS12 Gene Expression in Human Myometrium at Labor. <i>Reproductive Sciences</i> , 2008, 15, 382-393.	1.1	34
44	Integrated microfluidic tmRNA purification and real-time NASBA device for molecular diagnostics. <i>Lab on A Chip</i> , 2008, 8, 2071.	3.1	135
45	$\beta$ -Adrenoceptor Subtype Expression in Human Placenta and Umbilical Arteries in Normal and Preeclamptic Pregnancies. <i>Hypertension in Pregnancy</i> , 2008, 27, 169-181.	0.5	11
46	Expression Levels of mRNA for Rho A/Rho Kinase and Its Role in Isoprostane-Induced Vasoconstriction of Human Placental and Maternal Vessels. <i>Reproductive Sciences</i> , 2008, 15, 179-188.	1.1	9
47	Development of a co-culture system for tissue engineered vascular grafts. <i>Bio-Medical Materials and Engineering</i> , 2008, 18, 291-294.	0.4	0
48	Expression of Prothrombin and Protease Activated Receptors in Human Myometrium During Pregnancy and Labor. <i>Biology of Reproduction</i> , 2008, 78, 20-26.	1.2	17
49	Microarray detection of labeled NASBA products for the specific identification of pathogenic bacteria using tmRNA as a target. , 2008, , .		0
50	Differential expression of the metalloproteinase MMP3 and the $\alpha$ 5 integrin subunit in human myometrium at labour. <i>Molecular Human Reproduction</i> , 2007, 13, 655-661.	1.3	16
51	Expression and function of protease-activated receptor 4 in human myometrium. <i>American Journal of Obstetrics and Gynecology</i> , 2007, 196, 169.e1-169.e6.	0.7	1
52	Cloning and characterization of two genes encoding rainbow trout homologues of the IFITM protein family. <i>Veterinary Immunology and Immunopathology</i> , 2006, 110, 357-362.	0.5	19
53	Current and emerging molecular diagnostic technologies applicable to bacterial food safety. <i>International Journal of Dairy Technology</i> , 2006, 59, 126-139.	1.3	54
54	Self-organizing neural networks to support the discovery of DNA-binding motifs. <i>Neural Networks</i> , 2006, 19, 950-962.	3.3	22

#	ARTICLE	IF	CITATIONS
55	Inhibitory effect of leptin on human uterine contractility in vitro. American Journal of Obstetrics and Gynecology, 2006, 195, 504-509.	0.7	156
56	Global gene expression analysis of the effects of vinblastine on endothelial cells, when eluted from a thermo-responsive polymer. Journal of Biomedical Materials Research - Part A, 2006, 79A, 246-253.	2.1	4
57	A single nucleotide polymorphism in the bovine $\beta$ -casein promoter region across different bovine breeds. Journal of Dairy Research, 2006, 73, 193-196.	0.7	2
58	Rho A/Rho kinase: human umbilical artery mRNA expression in normal and pre eclamptic pregnancies and functional role in isoprostane-induced vasoconstriction. Reproduction, 2006, 132, 169-176.	1.1	21
59	Isolation and characterization of the bovine Stearoyl-CoA desaturase promoter and analysis of polymorphisms in the promoter region in dairy cows. Mammalian Genome, 2005, 16, 184-193.	1.0	27
60	Self-Organizing Maps of Position Weight Matrices for Motif Discovery in Biological Sequences. Artificial Intelligence Review, 2005, 24, 397-413.	9.7	12
61	Improved detection of DNA motifs using a self-organized clustering of familial binding profiles. Bioinformatics, 2005, 21, i283-i291.	1.8	34
62	Functional Coupling of $\beta$ -Adrenoceptors and Large Conductance Calcium-Activated Potassium Channels in Human Uterine Myocytes. Journal of Clinical Endocrinology and Metabolism, 2005, 90, 5786-5796.	1.8	31
63	Rho A/Rho Kinase mRNA and Protein Levels in Human Myometrium During Pregnancy and Labor. Journal of the Society for Gynecologic Investigation, 2005, 12, 20-27.	1.9	31
64	Transcription factor binding site identification using the self-organizing map. Bioinformatics, 2005, 21, 1807-1814.	1.8	68
65	Gene prediction using the Self-Organizing Map: automatic generation of multiple gene models. BMC Bioinformatics, 2004, 5, 23.	1.2	23
66	Cannabinoids and the human uterus during pregnancy. American Journal of Obstetrics and Gynecology, 2004, 190, 2-9.	0.7	78
67	Analysis of Maxi-K alpha subunit splice variants in human myometrium. Reproductive Biology and Endocrinology, 2004, 2, 67.	1.4	14
68	Molecular cloning and expression analysis of rainbow trout ( <i>Oncorhynchus mykiss</i> ) matrix metalloproteinase-9. Fish and Shellfish Immunology, 2004, 17, 499-503.	1.6	16
69	Human Chorionic Gonadotrophin Relaxation of Human Pregnant Myometrium and Activation of the BKCaChannel. Journal of Clinical Endocrinology and Metabolism, 2003, 88, 4310-4315.	1.8	52
70	MOLECULAR CLONING OF AN IL-8-LIKE CXC CHEMOKINE AND TISSUE FACTOR IN RAINBOW TROUT ( <i>ONCORHYNCHUS MYKISS</i> ) BY USE OF SUPPRESSION SUBTRACTIVE HYBRIDIZATION. Cytokine, 2002, 17, 66-70.	1.4	68
71	Postmortem stability of RNA isolated from bovine reproductive tissues. Biochimica Et Biophysica Acta Gene Regulatory Mechanisms, 2002, 1574, 10-14.	2.4	37
72	Steroid enzyme gene expressions during natural and androgen-induced gonadal differentiation in the rainbow trout, <i>Oncorhynchus mykiss</i> . The Journal of Experimental Zoology, 2001, 290, 558-566.	1.4	69

#	ARTICLE	IF	CITATIONS
73	Gene structure and promoter function of a teleost ribosomal protein: a tilapia ( <i>Oreochromis</i> ) Tj ETQq1 1 0.784314,rgBT /Overlock 10	2.4	5
74	Evaluation of a PCR/DNA Probe Colorimetric Membrane Assay for Identification of <i>Campylobacter</i> spp. in Human Stool Specimens. <i>Journal of Clinical Microbiology</i> , 2001, 39, 4163-4165.	1.8	12
75	Evaluation of Clarithromycin Resistance and <i>cagA</i> and <i>vacA</i> Genotyping of <i>Helicobacter pylori</i> Strains from the West of Ireland Using Line Probe Assays. <i>Journal of Clinical Microbiology</i> , 2001, 39, 1978-1980.	1.8	21
76	17 $\beta$ -Estradiol Treatment Decreases Steroidogenic Enzyme Messenger Ribonucleic Acid Levels in the Rainbow Trout Testis. <i>Endocrinology</i> , 2001, 142, 1841-1848.	1.4	34
77	Cloning and characterization of the Rainbow trout ( <i>Oncorhynchus mykiss</i> ) type II interleukin-1 receptor cDNA. <i>FEBS Journal</i> , 2000, 267, 7031-7037.	0.2	70
78	Genotyping of <i>cagA</i> and <i>vacA</i> , Lewis antigen status, and analysis of the poly-(C) tract in the $\alpha$ -(1,3)-fucosyltransferase gene of Irish <i>Helicobacter pylori</i> isolates. <i>FEMS Immunology and Medical Microbiology</i> , 2000, 28, 113-119.	2.7	9
79	Atlantic Salmon HNF-3/forkhead: cDNA Sequence, Evolution, Expression, and Functional Analysis. <i>DNA and Cell Biology</i> , 2000, 19, 59-68.	0.9	5
80	Molecular cloning of an Atlantic salmon nucleoside diphosphate kinase cDNA and its pattern of expression during embryogenesis. <i>Gene</i> , 2000, 257, 139-148.	1.0	18
81	Expression of cytochrome P45011 $\beta$ (11 $\beta$ -hydroxylase) gene during gonadal sex differentiation and spermatogenesis in rainbow trout, <i>Oncorhynchus mykiss</i> . <i>Journal of Steroid Biochemistry and Molecular Biology</i> , 2000, 75, 291-298.	1.2	74
82	Cloning and sequence analysis of rainbow trout LMP 2 cDNA and differential expression of the mRNA. <i>Fish and Shellfish Immunology</i> , 1999, 9, 621-632.	1.6	13
83	Two distinct apolipoprotein B alleles in mice generated by a single "in-out" targeting. <i>Gene</i> , 1996, 178, 161-168.	1.0	13
84	Evaluation of a PCR assay for detection of <i>Mycobacterium tuberculosis</i> in clinical specimens. <i>Diagnostic Microbiology and Infectious Disease</i> , 1995, 22, 357-360.	0.8	11
85	Improved method for direct PCR amplification from whole blood. <i>Nucleic Acids Research</i> , 1992, 20, 6747-6747.	6.5	33
86	Molecular analysis of muscular dystrophy. <i>Journal of Muscle Research and Cell Motility</i> , 1988, 9, 1-8.	0.9	8
87	Localisation of the endpoints of deletions in the 5' region of the Duchenne gene using a sequence isolated by chromosome jumping. <i>Nucleic Acids Research</i> , 1988, 16, 1305-1317.	6.5	5
88	Isolation of a conserved sequence deleted in Duchenne muscular dystrophy patients. <i>Nucleic Acids Research</i> , 1987, 15, 2167-2174.	6.5	31
89	Duchenne and Becker muscular dystrophy mutations: analysis using 2.6 kb of muscle cDNA from the 5' end of the gene. <i>Nucleic Acids Research</i> , 1987, 15, 9761-9769.	6.5	20