

# Terry J Smith

## List of Publications by Year in descending order

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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	Inhibitory effect of leptin on human uterine contractility in vitro. American Journal of Obstetrics and Gynecology, 2006, 195, 504-509.	0.7	156
2	Integrated microfluidic tmRNA purification and real-time NASBA device for molecular diagnostics. Lab on A Chip, 2008, 8, 2071.	3.1	135
3	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
4	Rapid real-time PCR detection of Listeria monocytogenes in enriched food samples based on the <i>ssrA</i> gene, a novel diagnostic target. Food Microbiology, 2008, 25, 75-84.	2.1	128
5	Rapid detection of Listeria monocytogenes in food using culture enrichment combined with real-time PCR. Food Microbiology, 2009, 26, 4-7.	2.1	84
6	Cannabinoids and the human uterus during pregnancy. American Journal of Obstetrics and Gynecology, 2004, 190, 2-9.	0.7	78
7	Expression of cytochrome P45011 $\beta$ (11 $\beta$ -hydroxylase) gene during gonadal sex differentiation and spermatogenesis in rainbow trout, <i>Oncorhynchus mykiss</i> . Journal of Steroid Biochemistry and Molecular Biology, 2000, 75, 291-298.	1.2	74
8	Cloning and characterization of the Rainbow trout ( <i>Oncorhynchus mykiss</i> ) type II interleukin-1 receptor cDNA. FEBS Journal, 2000, 267, 7031-7037.	0.2	70
9	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
10	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
11	Transcription factor binding site identification using the self-organizing map. Bioinformatics, 2005, 21, 1807-1814.	1.8	68
12	Controlling cellular activity by manipulating silicone surface roughness. Colloids and Surfaces B: Biointerfaces, 2010, 78, 237-242.	2.5	59
13	Uterine contractility of plants used to facilitate childbirth in Nigerian ethnomedicine. Journal of Ethnopharmacology, 2012, 143, 377-382.	2.0	59
14	Current and emerging molecular diagnostic technologies applicable to bacterial food safety. International Journal of Dairy Technology, 2006, 59, 126-139.	1.3	54
15	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
16	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
17	Development of a rapid recombinase polymerase amplification assay for the detection of <i>Streptococcus pneumoniae</i> in whole blood. BMC Infectious Diseases, 2015, 15, 481.	1.3	51
18	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

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19	Expression of RHO GTPase regulators in human myometrium. <i>Reproductive Biology and Endocrinology</i> , 2008, 6, 1.	1.4	46
20	Modulation of human uterine smooth muscle cell collagen contractility by thrombin, Y-27632, TNF alpha and indomethacin. <i>Reproductive Biology and Endocrinology</i> , 2009, 7, 2.	1.4	39
21	Postmortem stability of RNA isolated from bovine reproductive tissues. <i>Biochimica Et Biophysica Acta Gene Regulatory Mechanisms</i> , 2002, 1574, 10-14.	2.4	37
22	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. <i>BMC Infectious Diseases</i> , 2009, 9, 148.	1.3	35
23	Improved detection of DNA motifs using a self-organized clustering of familial binding profiles. <i>Bioinformatics</i> , 2005, 21, i283-i291.	1.8	34
24	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
25	Subtle modifications to oxytocin produce ligands that retain potency and improved selectivity across species. <i>Science Signaling</i> , 2017, 10, .	1.6	34
26	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
27	Improved method for direct PCR amplification from whole blood. <i>Nucleic Acids Research</i> , 1992, 20, 6747-6747.	6.5	33
28	Isolation of a conserved sequence deleted in Duchenne muscular dystrophy patients. <i>Nucleic Acids Research</i> , 1987, 15, 2167-2174.	6.5	31
29	Functional Coupling of $\beta$ 2-Adrenoceptors and Large Conductance Calcium-Activated Potassium Channels in Human Uterine Myocytes. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2005, 90, 5786-5796.	1.8	31
30	Rho A/Rho Kinase mRNA and Protein Levels in Human Myometrium During Pregnancy and Labor. <i>Journal of the Society for Gynecologic Investigation</i> , 2005, 12, 20-27.	1.9	31
31	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
32	tmRNA "a novel high-copy-number RNA diagnostic target" its application for <i>Staphylococcus aureus</i> detection using real-time NASBA. <i>FEMS Microbiology Letters</i> , 2009, 301, 218-223.	0.7	29
33	Alignment-free clustering of transcription factor binding motifs using a genetic-k-medoids approach. <i>BMC Bioinformatics</i> , 2015, 16, 22.	1.2	29
34	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
35	Isolation and characterization of the bovine Stearoyl-CoA desaturase promoter and analysis of polymorphisms in the promoter region in dairy cows. <i>Mammalian Genome</i> , 2005, 16, 184-193.	1.0	27
36	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

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37	Evaluation of Human Endothelial Cells Post Stent Deployment in a Cardiovascular Simulator In Vitro. <i>Annals of Biomedical Engineering</i> , 2009, 37, 1322-1330.	1.3	24
38	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
39	Gene prediction using the Self-Organizing Map: automatic generation of multiple gene models. <i>BMC Bioinformatics</i> , 2004, 5, 23.	1.2	23
40	Ghrelin in the human myometrium. <i>Reproductive Biology and Endocrinology</i> , 2010, 8, 55.	1.4	23
41	Ultrathin and smooth poly(methyl methacrylate) (PMMA) films for label-free biomolecule detection with total internal reflection ellipsometry (TIRE). <i>Biosensors and Bioelectronics</i> , 2012, 36, 250-256.	5.3	23
42	Self-organizing neural networks to support the discovery of DNA-binding motifs. <i>Neural Networks</i> , 2006, 19, 950-962.	3.3	22
43	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
44	Effects of long-term exposure of gelatinated and non-gelatinated cadmium telluride quantum dots on differentiated PC12 cells. <i>Journal of Nanobiotechnology</i> , 2012, 10, 4.	4.2	22
45	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
46	Rho A/Rho kinase: human umbilical artery mRNA expression in normal and pre eclamptic pregnancies and functional role in isoprostane-induced vasoconstriction. <i>Reproduction</i> , 2006, 132, 169-176.	1.1	21
47	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
48	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
49	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
50	Loop-Primer Endonuclease Cleavage 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
51	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
52	Relative and Absolute Expression Analysis of MicroRNAs Associated with Luminal A Breast Cancer A Comparison. <i>Pathology and Oncology Research</i> , 2020, 26, 833-844.	0.9	19
53	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
54	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

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55	Duplex recombinase polymerase amplification assays incorporating competitive internal controls for bacterial meningitis detection. <i>Analytical Biochemistry</i> , 2018, 546, 10-16.	1.1	17
56	Molecular cloning and expression analysis of rainbow trout ( <i>Oncorhynchus mykiss</i> ) matrix metalloproteinase-9. <i>Fish and Shellfish Immunology</i> , 2004, 17, 499-503.	1.6	16
57	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
58	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
59	Analysis of Maxi-K alpha subunit splice variants in human myometrium. <i>Reproductive Biology and Endocrinology</i> , 2004, 2, 67.	1.4	14
60	Two distinct apolipoprotein B alleles in mice generated by a single $\alpha$ -in-out™ targeting. <i>Gene</i> , 1996, 178, 161-168.	1.0	13
61	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
62	Effects of combined progesterone and $17\beta$ -estradiol treatment on the transcriptome of cultured human myometrial smooth muscle cells. <i>Physiological Genomics</i> , 2016, 48, 50-61.	1.0	13
63	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
64	Self-Organizing Maps of Position Weight Matrices for Motif Discovery in Biological Sequences. <i>Artificial Intelligence Review</i> , 2005, 24, 397-413.	9.7	12
65	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
66	$\beta$ -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
67	Solvent-selective routing for centrifugally automated solid-phase purification of RNA. <i>Microfluidics and Nanofluidics</i> , 2015, 18, 859-871.	1.0	11
68	Decreased myometrial p160 ROCK-1 expression in obese women at term pregnancy. <i>Reproductive Biology and Endocrinology</i> , 2013, 11, 79.	1.4	10
69	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
70	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
71	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
72	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

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73	Molecular analysis of muscular dystrophy. <i>Journal of Muscle Research and Cell Motility</i> , 1988, 9, 1-8.	0.9	8
74	Characterisation of the differentially regulated trout protein 1 (DRTP1) gene in rainbow trout ( <i>Oncorhynchus mykiss</i> ). <i>Fish and Shellfish Immunology</i> , 2009, 26, 589-598.	1.6	8
75	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
76	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
77	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
78	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
79	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
80	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
81	Culture confirmation of <i>Listeria monocytogenes</i> using tmRNA as a diagnostics target. <i>Journal of Microbiological Methods</i> , 2012, 88, 427-429.	0.7	5
82	Global gene expression analysis of the effects of vinblastine on endothelial cells, when eluted from a thermo-responsive polymer. <i>Journal of Biomedical Materials Research - Part A</i> , 2006, 79A, 246-253.	2.1	4
83	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
84	A single nucleotide polymorphism in the bovine $\beta$ -casein promoter region across different bovine breeds. <i>Journal of Dairy Research</i> , 2006, 73, 193-196.	0.7	2
85	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
86	3' 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
87	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
88	Microarray detection of labeled NASBA products for the specific identification of pathogenic bacteria using tmRNA as a target. , 2008, , .		0
89	Evaluating the Potential of Quantum Dots for In Vitro Biological Studies: Effects on Gene Expression Using Microarray Analysis. , 2012, 906, 171-183.		0