

# Stephen A Bustin

## List of Publications by Citations

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134  
papers

27,877  
citations

45  
h-index

155  
g-index

155  
ext. papers

31,361  
ext. citations

6.4  
avg, IF

7.33  
L-index

#	Paper	IF	Citations
134	The MIQE guidelines: minimum information for publication of quantitative real-time PCR experiments. <i>Clinical Chemistry</i> , <b>2009</b> , 55, 611-22	5.5	9710
133	Absolute quantification of mRNA using real-time reverse transcription polymerase chain reaction assays. <i>Journal of Molecular Endocrinology</i> , <b>2000</b> , 25, 169-93	4.5	2964
132	Quantification of mRNA using real-time reverse transcription PCR (RT-PCR): trends and problems. <i>Journal of Molecular Endocrinology</i> , <b>2002</b> , 29, 23-39	4.5	1916
131	Quantification of mRNA using real-time RT-PCR. <i>Nature Protocols</i> , <b>2006</b> , 1, 1559-82	18.8	1452
130	Real-time RT-PCR normalisation; strategies and considerations. <i>Genes and Immunity</i> , <b>2005</b> , 6, 279-84	4.4	1346
129	The tissue distribution of the mRNA of ghrelin and subtypes of its receptor, GHS-R, in humans. <i>Journal of Clinical Endocrinology and Metabolism</i> , <b>2002</b> , 87, 2988	5.6	915
128	Quantitative real-time RT-PCR--a perspective. <i>Journal of Molecular Endocrinology</i> , <b>2005</b> , 34, 597-601	4.5	897
127	Validation of housekeeping genes for normalizing RNA expression in real-time PCR. <i>BioTechniques</i> , <b>2004</b> , 37, 112-4, 116, 118-9	2.5	729
126	Pitfalls of quantitative real-time reverse-transcription polymerase chain reaction. <i>Journal of Biomolecular Techniques</i> , <b>2004</b> , 15, 155-66	1.1	600
125	The digital MIQE guidelines: Minimum Information for Publication of Quantitative Digital PCR Experiments. <i>Clinical Chemistry</i> , <b>2013</b> , 59, 892-902	5.5	554
124	The implications of using an inappropriate reference gene for real-time reverse transcription PCR data normalization. <i>Analytical Biochemistry</i> , <b>2005</b> , 344, 141-3	3.1	493
123	Quantitative real-time reverse transcription polymerase chain reaction: normalization to rRNA or single housekeeping genes is inappropriate for human tissue biopsies. <i>Analytical Biochemistry</i> , <b>2002</b> , 309, 293-300	3.1	469
122	Real-time reverse transcription PCR (qRT-PCR) and its potential use in clinical diagnosis. <i>Clinical Science</i> , <b>2005</b> , 109, 365-79	6.5	315
121	Why the need for qPCR publication guidelines?--The case for MIQE. <i>Methods</i> , <b>2010</b> , 50, 217-26	4.6	263
120	The GH-IGF-I axis and breast cancer. <i>Trends in Endocrinology and Metabolism</i> , <b>2003</b> , 14, 28-34	8.8	253
119	The expression of the growth hormone secretagogue receptor ligand ghrelin in normal and abnormal human pituitary and other neuroendocrine tumors. <i>Journal of Clinical Endocrinology and Metabolism</i> , <b>2001</b> , 86, 881-7	5.6	236
118	Vitamin D receptor (VDR) mRNA and VDR protein levels in relation to vitamin D status, insulin secretory capacity, and VDR genotype in Bangladeshi Asians. <i>Diabetes</i> , <b>2002</b> , 51, 2294-300	0.9	207

117	The need for transparency and good practices in the qPCR literature. <i>Nature Methods</i> , <b>2013</b> , 10, 1063-7	21.6	197
116	The Expression of the Growth Hormone Secretagogue Receptor Ligand Ghrelin in Normal and Abnormal Human Pituitary and Other Neuroendocrine Tumors. <i>Journal of Clinical Endocrinology and Metabolism</i> , <b>2001</b> , 86, 881-887	5.6	192
115	SPUD: a quantitative PCR assay for the detection of inhibitors in nucleic acid preparations. <i>Analytical Biochemistry</i> , <b>2006</b> , 351, 308-10	3.1	179
114	Tumour-infiltrating lymphocytes in colorectal cancer with microsatellite instability are activated and cytotoxic. <i>British Journal of Surgery</i> , <b>2004</b> , 91, 469-75	5.3	158
113	Molecular quantification and mapping of lymph-node micrometastases in cervical cancer. <i>Lancet, The</i> , <b>2001</b> , 357, 15-20	4.0	153
112	Colorectal cancers with microsatellite instability display mRNA expression signatures characteristic of increased immunogenicity. <i>Molecular Cancer</i> , <b>2004</b> , 3, 21	42.1	119
111	qPCR primer design revisited. <i>Biomolecular Detection and Quantification</i> , <b>2017</b> , 14, 19-28	12	109
110	Expression of PRPF31 mRNA in patients with autosomal dominant retinitis pigmentosa: a molecular clue for incomplete penetrance?. <i>Investigative Ophthalmology and Visual Science</i> , <b>2003</b> , 44, 4204-9		108
109	Reliability of real-time reverse-transcription PCR in clinical diagnostics: gold standard or substandard?. <i>Expert Review of Molecular Diagnostics</i> , <b>2009</b> , 9, 187-97	3.8	106
108	Detection of cytokeratins 19/20 and guanylyl cyclase C in peripheral blood of colorectal cancer patients. <i>British Journal of Cancer</i> , <b>1999</b> , 79, 1813-1820	8.7	102
107	Real-time, fluorescence-based quantitative PCR: a snapshot of current procedures and preferences. <i>Expert Review of Molecular Diagnostics</i> , <b>2005</b> , 5, 493-8	3.8	101
106	The Digital MIQE Guidelines Update: Minimum Information for Publication of Quantitative Digital PCR Experiments for 2020. <i>Clinical Chemistry</i> , <b>2020</b> , 66, 1012-1029	5.5	85
105	RT-qPCR Testing of SARS-CoV-2: A Primer. <i>International Journal of Molecular Sciences</i> , <b>2020</b> , 21,	6.3	81
104	The growth hormone-insulin-like growth factor-I axis and colorectal cancer. <i>Trends in Molecular Medicine</i> , <b>2001</b> , 7, 447-54	11.5	75
103	Expression of the Ca <sup>2+</sup> -activated chloride channel genes CLCA1 and CLCA2 is downregulated in human colorectal cancer. <i>DNA and Cell Biology</i> , <b>2001</b> , 20, 331-8	3.6	74
102	The mRNA expression of cyclo-oxygenase-2 (COX-2) and vascular endothelial growth factor (VEGF) in human breast cancer. <i>Current Medical Research and Opinion</i> , <b>2002</b> , 18, 237-41	2.5	71
101	Evidence for a link between IGF-I and cancer. <i>European Journal of Endocrinology</i> , <b>2004</b> , 151 Suppl 1, S17-22	2.5	65
100	Transforming growth factor alpha. <i>Cell Biology International</i> , <b>1995</b> , 19, 373-88	4.5	64

99	Proximity assays for sensitive quantification of proteins. <i>Biomolecular Detection and Quantification</i> , <b>2015</b> , 4, 10-6	12	63
98	The role of apoptosis (programmed cell death) in haemopoiesis and the immune system. <i>Blood Reviews</i> , <b>1993</b> , 7, 63-73	11.1	60
97	Minimum information necessary for quantitative real-time PCR experiments. <i>Methods in Molecular Biology</i> , <b>2014</b> , 1160, 5-17	1.4	52
96	Primer sequence disclosure: a clarification of the MIQE guidelines. <i>Clinical Chemistry</i> , <b>2011</b> , 57, 919-21	5.5	52
95	Talking the talk, but not walking the walk: RT-qPCR as a paradigm for the lack of reproducibility in molecular research. <i>European Journal of Clinical Investigation</i> , <b>2017</b> , 47, 756-774	4.6	51
94	Real-time quantitative PCR, pathogen detection and MIQE. <i>Methods in Molecular Biology</i> , <b>2013</b> , 943, 1-16	1.4	51
93	A MIQE-compliant real-time PCR assay for <i>Aspergillus</i> detection. <i>PLoS ONE</i> , <b>2012</b> , 7, e40022	3.7	51
92	Variability of the reverse transcription step: practical implications. <i>Clinical Chemistry</i> , <b>2015</b> , 61, 202-12	5.5	47
91	Molecular assessment of tumour stage and disease recurrence using PCR-based assays. <i>Trends in Molecular Medicine</i> , <b>1998</b> , 4, 389-96		47
90	The immunogenicity of colorectal cancers with high-degree microsatellite instability. <i>World Journal of Surgical Oncology</i> , <b>2005</b> , 3, 26	3.4	44
89	Quantification of cytokeratin 20, carcinoembryonic antigen and guanylyl cyclase C mRNA levels in lymph nodes may not predict treatment failure in colorectal cancer patients. <i>International Journal of Cancer</i> , <b>2004</b> , 108, 412-7	7.5	44
88	hTERT expression in human breast cancer and non-cancerous breast tissue: correlation with tumour stage and c-Myc expression. <i>Breast Cancer Research and Treatment</i> , <b>2003</b> , 77, 277-84	4.4	43
87	Expression of p53 in colorectal cancer and dysplasia complicating ulcerative colitis. <i>British Journal of Surgery</i> , <b>1993</b> , 80, 442-4	5.3	43
86	Critical appraisal of quantitative PCR results in colorectal cancer research: can we rely on published qPCR results?. <i>Molecular Oncology</i> , <b>2014</b> , 8, 813-8	7.9	42
85	Microsatellite and chromosomal stable colorectal cancers demonstrate poor immunogenicity and early disease recurrence. <i>Colorectal Disease</i> , <b>2009</b> , 11, 601-8	2.1	41
84	Vitamin D metabolism in peripheral blood mononuclear cells is influenced by chewing "betel nut" ( <i>Areca catechu</i> ) and vitamin D status. <i>Journal of Clinical Endocrinology and Metabolism</i> , <b>2006</b> , 91, 2612-7	5.6	41
83	Expression of 25-hydroxyvitamin D-1-alpha-hydroxylase mRNA in individuals with colorectal cancer. <i>Lancet, The</i> , <b>2002</b> , 359, 1831-2	4.0	41
82	MIQE: A Step Toward More Robust and Reproducible Quantitative PCR. <i>Clinical Chemistry</i> , <b>2017</b> , 63, 1537-45	3.8	38

81	Aspergillus-Specific Lateral-Flow Device and Real-Time PCR Testing of Bronchoalveolar Lavage Fluid: a Combination Biomarker Approach for Clinical Diagnosis of Invasive Pulmonary Aspergillosis. <i>Journal of Clinical Microbiology</i> , <b>2015</b> , 53, 2103-8	9.7	37
80	The reproducibility of biomedical research: Sleepers awake!. <i>Biomolecular Detection and Quantification</i> , <b>2014</b> , 2, 35-42	12	37
79	Genetic detection of lymph node micrometastases in patients with colorectal cancer. <i>British Journal of Surgery</i> , <b>1998</b> , 85, 98-100	5.3	35
78	Standardisation and reporting for nucleic acid quantification. <i>Accreditation and Quality Assurance</i> , <b>2011</b> , 16, 399-405	0.7	33
77	Developments in real-time PCR research and molecular diagnostics. <i>Expert Review of Molecular Diagnostics</i> , <b>2010</b> , 10, 713-5	3.8	33
76	Gene expression profiling for molecular staging and prognosis prediction in colorectal cancer. <i>Expert Review of Molecular Diagnostics</i> , <b>2004</b> , 4, 599-607	3.8	33
75	Reduced expression of the growth hormone and type 1 insulin-like growth factor receptors in human somatotroph tumours and an analysis of possible mutations of the growth hormone receptor. <i>Clinical Endocrinology</i> , <b>2003</b> , 59, 328-38	3.4	33
74	The value of microarray techniques for quantitative gene profiling in molecular diagnostics. <i>Trends in Molecular Medicine</i> , <b>2002</b> , 8, 269-72	11.5	32
73	Expression of 25-hydroxyvitamin D-1-alpha-hydroxylase, and vitamin D receptor mRNA in normal and malignant breast tissue. <i>Anticancer Research</i> , <b>2009</b> , 29, 155-7	2.3	32
72	Real-time reverse transcription PCR and the detection of occult disease in colorectal cancer. <i>Molecular Aspects of Medicine</i> , <b>2006</b> , 27, 192-223	16.7	31
71	Intracellular expression profiles measured by real-time PCR tomography in the <i>Xenopus laevis</i> oocyte. <i>Nucleic Acids Research</i> , <b>2008</b> , 36, 387-92	20.1	30
70	ERF-2, the human homologue of the murine Tis11d early response gene. <i>Gene</i> , <b>1995</b> , 152, 285-6	3.8	30
69	Unreliable real-time PCR analysis of human endogenous retrovirus-W (HERV-W) RNA expression and DNA copy number in multiple sclerosis. <i>AIDS Research and Human Retroviruses</i> , <b>2009</b> , 25, 377-8; author reply 379-81	1.6	29
68	Expression of HLA class II in colorectal cancer: evidence for enhanced immunogenicity of microsatellite-instability-positive tumours. <i>Tumor Biology</i> , <b>2001</b> , 22, 294-8	2.9	29
67	Local expression of insulin-like growth factor-I affects angiogenesis in colorectal cancer. <i>Tumor Biology</i> , <b>2002</b> , 23, 130-8	2.9	28
66	Cloning and characterization of ERF-1, a human member of the Tis11 family of early-response genes. <i>DNA and Cell Biology</i> , <b>1994</b> , 13, 449-59	3.6	26
65	Differential expression of IGF-binding protein-3 in normal and malignant colon and its influence on apoptosis. <i>Endocrine-Related Cancer</i> , <b>2005</b> , 12, 891-901	5.7	25
64	RNA biomarkers in colorectal cancer. <i>Methods</i> , <b>2013</b> , 59, 116-25	4.6	24

63	Altered monocyte cyclooxygenase response to lipopolysaccharide in type 1 diabetes. <i>Diabetes</i> , <b>2006</b> , 55, 3439-45	0.9	24
62	Increased levels of insulin-like growth factor binding protein-2 in sera and tumours from patients with colonic neoplasia with and without acromegaly. <i>Clinical Endocrinology</i> , <b>2001</b> , 54, 499-508	3.4	24
61	Coding sequence of ERF-1, the human homologue of Tis11b/CMG1, members of the Tis11 family of early response genes. <i>Nucleic Acids Research</i> , <b>1993</b> , 21, 3580	20.1	22
60	Elevated levels of RanBP7 mRNA in colorectal carcinoma are associated with increased proliferation and are similar to the transcription pattern of the proto-oncogene c-myc. <i>Biochemical and Biophysical Research Communications</i> , <b>2000</b> , 271, 537-43	3.4	21
59	Cautionary Note on Contamination of Reagents Used for Molecular Detection of SARS-CoV-2. <i>Clinical Chemistry</i> , <b>2020</b> , 66, 1369-1372	5.5	20
58	Variability in RT-qPCR assay parameters indicates unreliable SARS-CoV-2 RNA quantification for wastewater surveillance. <i>Water Research</i> , <b>2021</b> , 203, 117516	12.5	20
57	Biomarkers for invasive aspergillosis: the challenges continue. <i>Biomarkers in Medicine</i> , <b>2014</b> , 8, 429-51	2.3	19
56	Cyclo-oxygenase-2 (COX-2) mRNA expression and hormone receptor status in breast cancer. <i>European Journal of Surgical Oncology</i> , <b>2006</b> , 32, 707-9	3.6	19
55	Synthesis of preparative amounts of biologically active interleukin-6 using a continuous-flow cell-free translation system. <i>Analytical Biochemistry</i> , <b>1993</b> , 214, 289-94	3.1	19
54	How to speed up the polymerase chain reaction. <i>Biomolecular Detection and Quantification</i> , <b>2017</b> , 12, 10-14	12	18
53	Differential expression patterns of the insulin-like growth factor 2 gene in human colorectal cancer. <i>Tumor Biology</i> , <b>2004</b> , 25, 62-8	2.9	18
52	qPCR, dPCR, NGS - A journey. <i>Biomolecular Detection and Quantification</i> , <b>2015</b> , 3, A1-5	12	16
51	Significant decline in Galactomannan Signal during storage of clinical serum samples. <i>International Journal of Molecular Sciences</i> , <b>2013</b> , 14, 12970-7	6.3	16
50	Surveillance, epidemiological, and virological detection of highly pathogenic H5N1 avian influenza viruses in duck and poultry from Bangladesh. <i>Veterinary Microbiology</i> , <b>2016</b> , 193, 49-59	3.3	16
49	Avian influenza: virology, diagnosis and surveillance. <i>Future Microbiology</i> , <b>2013</b> , 8, 1209-27	2.9	15
48	Improving the standardization of mRNA measurement by RT-qPCR. <i>Biomolecular Detection and Quantification</i> , <b>2018</b> , 15, 13-17	12	14
47	The continuing problem of poor transparency of reporting and use of inappropriate methods for RT-qPCR. <i>Biomolecular Detection and Quantification</i> , <b>2017</b> , 12, 7-9	12	14
46	Age and diet act through distinct isoforms of the class II transactivator gene in mouse intestinal epithelium. <i>Gastroenterology</i> , <b>2004</b> , 127, 203-12	13.3	14

45	The human immediate early gene BRF1 maps to chromosome 14q22-q24. <i>Genomics</i> , <b>1995</b> , 30, 89-90	4.3	14
44	Improving the reliability of peer-reviewed publications: We are all in it together. <i>Biomolecular Detection and Quantification</i> , <b>2016</b> , 7, A1-5	12	13
43	Five years MIQE guidelines: the case of the Arabian countries. <i>PLoS ONE</i> , <b>2014</b> , 9, e88266	3.7	13
42	An enzyme-linked immunosorbent assay for the detection of agents which interfere with the DNA binding activities of transcription factors—exemplified by NF-IL6. <i>Analytical Biochemistry</i> , <b>1998</b> , 265, 28-34 <sup>1</sup>	3.1	12
41	Identification of differentially expressed genes associated with colorectal cancer liver metastasis. <i>European Surgical Research</i> , <b>2003</b> , 35, 327-36	1.1	12
40	Colorectal cancers with mononucleotide microsatellite instability can be identified using microfabricated chip technology. <i>Analytical Biochemistry</i> , <b>2003</b> , 322, 130-3	3.1	12
39	CoV2-ID, a MIQE-compliant sub-20-min 5-plex RT-PCR assay targeting SARS-CoV-2 for the diagnosis of COVID-19. <i>Scientific Reports</i> , <b>2020</b> , 10, 22214	4.9	11
38	Influence of trypsinization and alternative procedures for cell preparation before RNA extraction on RNA integrity. <i>Analytical Biochemistry</i> , <b>2014</b> , 463, 38-44	3.1	11
37	Molecular medicine, gene-expression profiling and molecular diagnostics: putting the cart before the horse. <i>Biomarkers in Medicine</i> , <b>2008</b> , 2, 201-7	2.3	11
36	Molecular staging of colorectal cancer: new paradigm or waste of time?. <i>Expert Opinion on Medical Diagnostics</i> , <b>2007</b> , 1, 31-45		11
35	Transcription of the inositol polyphosphate 1-phosphatase gene (INPP1) is upregulated in human colorectal cancer. <i>Molecular Carcinogenesis</i> , <b>2000</b> , 27, 322-9	5	11
34	Homogeneous and digital proximity ligation assays for the detection of toxins A and B. <i>Biomolecular Detection and Quantification</i> , <b>2016</b> , 10, 2-8	12	11
33	Recent progress in developing proximity ligation assays for pathogen detection. <i>Expert Review of Molecular Diagnostics</i> , <b>2015</b> , 15, 861-7	3.8	10
32	Lamina propria macrophage phenotypes in relation to Escherichia coli in Crohn's disease. <i>BMC Gastroenterology</i> , <b>2015</b> , 15, 75	3	10
31	Microarray profiling of colorectal cancer in Bangladeshi patients. <i>Colorectal Disease</i> , <b>2005</b> , 7, 571-5	2.1	10
30	Immunogenic hsp-70 is overexpressed in colorectal cancers with high-degree microsatellite instability. <i>Diseases of the Colon and Rectum</i> , <b>2005</b> , 48, 2322-8	3.1	10
29	RDML-Ninja and RDMLdb for standardized exchange of qPCR data. <i>BMC Bioinformatics</i> , <b>2015</b> , 16, 197	3.6	9
28	Nuclear transcription factors: potential targets for new modes of intervention in skin disease. <i>British Journal of Dermatology</i> , <b>1994</b> , 131, 591-7	4	9

27	The product of the primary response gene BRF1 inhibits the interaction between 14-3-3 proteins and cRaf-1 in the yeast trihybrid system. <i>DNA and Cell Biology</i> , <b>1999</b> , 18, 653-61	3.6	8
26	COVID-19 and Diagnostic Testing for SARS-CoV-2 by RT-qPCR-Facts and Fallacies. <i>International Journal of Molecular Sciences</i> , <b>2021</b> , 22,	6.3	8
25	Metasin-an intra-operative RT-qPCR assay to detect metastatic breast cancer in sentinel lymph nodes. <i>International Journal of Molecular Sciences</i> , <b>2013</b> , 14, 12931-52	6.3	7
24	Parameters for Successful PCR Primer Design. <i>Methods in Molecular Biology</i> , <b>2020</b> , 2065, 5-22	1.4	7
23	Evaluation of the new AspID polymerase chain reaction assay for detection of Aspergillus species: A pilot study. <i>Mycoses</i> , <b>2018</b> , 61, 355-359	5.2	6
22	Nucleic acid quantification and disease outcome prediction in colorectal cancer. <i>Personalized Medicine</i> , <b>2006</b> , 3, 207-216	2.2	6
21	A multicentre validation of Metasin: a molecular assay for the intraoperative assessment of sentinel lymph nodes from breast cancer patients. <i>Histopathology</i> , <b>2016</b> , 68, 875-87	7.3	5
20	In silico tools for qPCR assay design and data analysis. <i>Methods in Molecular Biology</i> , <b>2011</b> , 760, 283-306	1.4	5
19	Altered monocyte cyclo-oxygenase response in non-obese diabetic mice. <i>Clinical and Experimental Immunology</i> , <b>2009</b> , 155, 304-10	6.2	4
18	Digital PCR can augment the interpretation of RT-qPCR Cq values for SARS-CoV-2 diagnostics. <i>Methods</i> , <b>2021</b> ,	4.6	4
17	Insufficient demonstration of long-term stability of Aspergillus galactomannan. <i>Journal of Clinical Microbiology</i> , <b>2014</b> , 52, 4118	9.7	3
16	5. Amplification and detection methods		3
15	Phosphodiesterase Type 5 Inhibitors and Selective Estrogen Receptor Modulators Can Prevent But Not Reverse Myofibroblast Transformation in Peyronie's Disease. <i>Journal of Sexual Medicine</i> , <b>2020</b> , 17, 1848-1864	1.1	3
14	Polymerase chain reaction and respiratory viruses189-211		1
13	Extended silencing of the insulin-like growth factor-I receptor gene in MCF-7 cells by serial transfection with siRNA. <i>Analytical Biochemistry</i> , <b>2006</b> , 357, 305-7	3.1	1
12	qPCR, Theory, Reliability and Use in Molecular Analysis <b>2011</b> , 43-55		
11	Real-Time Quantitative RT-PCR for mRNA Profiling <b>2010</b> , 121-154		
10	The MMR vaccine, measles virus, and autism [A cautionary tale229-242		



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- 6 Nurture leads the race in the control of cancer. *Trends in Molecular Medicine*, **2000**, 6, 380
- 5 Loss of imprinting marks predisposition to colorectal cancer?. *Trends in Molecular Medicine*, **1999**, 5, 54
- 4 DNA methyltransferase and cancer: the jury is still out. *Trends in Molecular Medicine*, **1999**, 5, 465
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