

Mikael Kubista

List of Publications by Year in descending order

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183
papers

27,174
citations

23567

58
h-index

5988

160
g-index

188
all docs

188
docs citations

188
times ranked

39049
citing authors

#	ARTICLE	IF	CITATIONS
1	The MIQE Guidelines: Minimum Information for Publication of Quantitative Real-Time PCR Experiments. <i>Clinical Chemistry</i> , 2009, 55, 611-622.	3.2	12,487
2	The real-time polymerase chain reaction. <i>Molecular Aspects of Medicine</i> , 2006, 27, 95-125.	6.4	1,086
3	Absorption and fluorescence properties of fluorescein. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 1995, 51, L7-L21.	3.9	892
4	The Digital MIQE Guidelines: Minimum Information for Publication of Quantitative Digital PCR Experiments. <i>Clinical Chemistry</i> , 2013, 59, 892-902.	3.2	723
5	DNA tetraplex formation in the control region of c-myc. <i>Nucleic Acids Research</i> , 1998, 26, 1167-1172.	14.5	525
6	Protective Role of Reactive Astrocytes in Brain Ischemia. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2008, 28, 468-481.	4.3	441
7	The interactions between the fluorescent dye thiazole orange and DNA. <i>Biopolymers</i> , 1998, 46, 39-51.	2.4	397
8	How good is a PCR efficiency estimate: Recommendations for precise and robust qPCR efficiency assessments. <i>Biomolecular Detection and Quantification</i> , 2015, 3, 9-16.	7.0	395
9	Methods to determine limit of detection and limit of quantification in quantitative real-time PCR (qPCR). <i>Biomolecular Detection and Quantification</i> , 2017, 12, 1-6.	7.0	381
10	Experimental correction for the inner-filter effect in fluorescence spectra. <i>Analyst</i> , 1994, 119, 417-419.	3.5	347
11	Linear dichroism spectroscopy of nucleic acids. <i>Quarterly Reviews of Biophysics</i> , 1992, 25, 51-170.	5.7	342
12	Sequence motifs and free energies of selected natural and non-natural nucleosome positioning DNA sequences. <i>Journal of Molecular Biology</i> , 1999, 288, 213-229.	4.2	338
13	Properties of the Reverse Transcription Reaction in mRNA Quantification. <i>Clinical Chemistry</i> , 2004, 50, 509-515.	3.2	337
14	Gene expression profiling in single cells from the pancreatic islets of Langerhans reveals lognormal distribution of mRNA levels. <i>Genome Research</i> , 2005, 15, 1388-1392.	5.5	337
15	The need for transparency and good practices in the qPCR literature. <i>Nature Methods</i> , 2013, 10, 1063-1067.	19.0	251
16	The Digital MIQE Guidelines Update: Minimum Information for Publication of Quantitative Digital PCR Experiments for 2020. <i>Clinical Chemistry</i> , 2020, 66, 1012-1029.	3.2	247
17	Light-Up Probes: Thiazole Orange-Conjugated Peptide Nucleic Acid for Detection of Target Nucleic Acid in Homogeneous Solution. <i>Analytical Biochemistry</i> , 2000, 281, 26-35.	2.4	242
18	UV-Vis spectroscopic and chemometric study on the aggregation of ionic dyes in water. <i>Talanta</i> , 1999, 49, 99-106.	5.5	226

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19	Characterization of interaction between DNA and 4',6-diamidino-2-phenylindole by optical spectroscopy. <i>Biochemistry</i> , 1987, 26, 4545-4553.	2.5	218
20	Comparison of Reverse Transcriptases in Gene Expression Analysis. <i>Clinical Chemistry</i> , 2004, 50, 1678-1680.	3.2	207
21	Horizontal transfer of whole mitochondria restores tumorigenic potential in mitochondrial DNA-deficient cancer cells. <i>ELife</i> , 2017, 6, .	6.0	205
22	Reactivation of Dihydroorotate Dehydrogenase-Driven Pyrimidine Biosynthesis Restores Tumor Growth of Respiration-Deficient Cancer Cells. <i>Cell Metabolism</i> , 2019, 29, 399-416.e10.	16.2	190
23	Identification and characterization of genomic nucleosome-positioning sequences. <i>Journal of Molecular Biology</i> , 1997, 267, 807-817.	4.2	180
24	Two-tailed RT-qPCR: a novel method for highly accurate miRNA quantification. <i>Nucleic Acids Research</i> , 2017, 45, e144-e144.	14.5	146
25	Binding of 4',6-diamidino-2-phenylindole (DAPI) to AT regions of DNA: Evidence for an allosteric conformational change. <i>Biochemistry</i> , 1993, 32, 2987-2998.	2.5	143
26	Platforms for Single-Cell Collection and Analysis. <i>International Journal of Molecular Sciences</i> , 2018, 19, 807.	4.1	134
27	Assession of Tumor Heterogeneity by Multiplex Transcriptome Profiling of Single Circulating Tumor Cells. <i>Clinical Chemistry</i> , 2016, 62, 1504-1515.	3.2	130
28	Quantitative Real-Time PCR Method for Detection of B-Lymphocyte Monoclonality by Comparison of \hat{e} and \hat{b} Immunoglobulin Light Chain Expression. <i>Clinical Chemistry</i> , 2003, 49, 51-59.	3.2	128
29	Determination of equilibrium constants by chemometric analysis of spectroscopic data. <i>Analytical Chemistry</i> , 1993, 65, 994-998.	6.5	120
30	An automated procedure to predict the number of components in spectroscopic data. <i>Analytica Chimica Acta</i> , 1999, 379, 143-158.	5.4	114
31	Circulating miRNA analysis for cancer diagnostics and therapy. <i>Molecular Aspects of Medicine</i> , 2020, 72, 100825.	6.4	114
32	Free-Probe Fluorescence of Light-up Probes. <i>Journal of the American Chemical Society</i> , 2001, 123, 803-809.	13.7	106
33	Heterogeneity of Astrocytes: From Development to Injury – Single Cell Gene Expression. <i>PLoS ONE</i> , 2013, 8, e69734.	2.5	103
34	Binding stoichiometry and structure of RecA-DNA complexes studied by flow linear dichroism and fluorescence spectroscopy. <i>Journal of Molecular Biology</i> , 1989, 205, 137-147.	4.2	102
35	Multicenter Evaluation of Circulating Cell-Free DNA Extraction and Downstream Analyses for the Development of Standardized (Pre)analytical Work Flows. <i>Clinical Chemistry</i> , 2020, 66, 149-160.	3.2	100
36	Characterization of fluorescein–oligonucleotide conjugates and measurement of local electrostatic potential. , 1998, 46, 445-453.		99

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37	Near-ultraviolet electronic transitions of the tryptophan chromophore: linear dichroism, fluorescence anisotropy, and magnetic circular dichroism spectra of some indole derivatives. <i>The Journal of Physical Chemistry</i> , 1989, 93, 6646-6654.	2.9	98
38	Development and evaluation of three real-time immuno-PCR assemblages for quantification of PSA. <i>Journal of Immunological Methods</i> , 2005, 304, 107-116.	1.4	93
39	Gene expression profiling – Clusters of possibilities. <i>Methods</i> , 2010, 50, 323-335.	3.8	93
40	Kinetic Outlier Detection (KOD) in real-time PCR. <i>Nucleic Acids Research</i> , 2003, 31, 105e-105.	14.5	92
41	Design and Optimization of Reverse-Transcription Quantitative PCR Experiments. <i>Clinical Chemistry</i> , 2009, 55, 1816-1823.	3.2	92
42	A new minor groove binding asymmetric cyanine reporter dye for real-time PCR. <i>Nucleic Acids Research</i> , 2003, 31, 45e-45.	14.5	90
43	Defining cell populations with single-cell gene expression profiling: correlations and identification of astrocyte subpopulations. <i>Nucleic Acids Research</i> , 2011, 39, e24-e24.	14.5	90
44	Analysis of correlated spectral data. <i>Analytical Chemistry</i> , 1993, 65, 409-416.	6.5	86
45	Structure of RecA-DNA complexes studied by combination of linear dichroism and small-angle neutron scattering measurements on flow-oriented samples. <i>Journal of Molecular Biology</i> , 1992, 226, 1175-1191.	4.2	79
46	Detection of PCR Products in Real Time Using Light-up Probes. <i>Analytical Biochemistry</i> , 2000, 287, 179-182.	2.4	79
47	RT-qPCR work-flow for single-cell data analysis. <i>Methods</i> , 2013, 59, 80-88.	3.8	77
48	The workflow of single-cell expression profiling using quantitative real-time PCR. <i>Expert Review of Molecular Diagnostics</i> , 2014, 14, 323-331.	3.1	77
49	TGGA repeats impair nucleosome formation. <i>Journal of Molecular Biology</i> , 1998, 281, 253-260.	4.2	76
50	Rapid and specific detection of PCR products using light-up probes. <i>Molecular and Cellular Probes</i> , 2000, 14, 321-328.	2.1	75
51	Correction of RT-qPCR data for genomic DNA-derived signals with ValidPrime. <i>Nucleic Acids Research</i> , 2012, 40, e51-e51.	14.5	75
52	Interaction of 4',6-diamidino-2-phenylindole (DAPI) with poly[d(G-C)2] and poly[d(G-m5C)2]: evidence for major groove binding of a DNA probe. <i>Journal of the American Chemical Society</i> , 1993, 115, 3441-3447.	18.7	73
53	Multi-template polymerase chain reaction. <i>Biomolecular Detection and Quantification</i> , 2014, 2, 11-29.	7.0	73
54	Nucleosome Structural Features and Intrinsic Properties of the TATAAACGCC Repeat Sequence. <i>Journal of Biological Chemistry</i> , 1999, 274, 31847-31852.	3.4	72

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55	Monitoring Differentiation of Human Embryonic Stem Cells Using Real-Time PCR. <i>Stem Cells</i> , 2005, 23, 1460-1467.	3.2	67
56	Induced circular dichroism in nonintercalative DNA-drug complexes: sector rules for structural applications. <i>The Journal of Physical Chemistry</i> , 1988, 92, 2352-2356.	2.9	66
57	Decoding the Transcriptional Response to Ischemic Stroke in Young and Aged Mouse Brain. <i>Cell Reports</i> , 2020, 31, 107777.	6.4	66
58	Quantitative spectral analysis of multicomponent equilibria. <i>Analytica Chimica Acta</i> , 1995, 302, 121-125.	5.4	65
59	Primer Sequence Disclosure: A Clarification of the MIQE Guidelines. <i>Clinical Chemistry</i> , 2011, 57, 919-921.	3.2	63
60	Spectrophotometric determination of acidity constants of 4-(2-pyridylazo)resorcinol in binary methanol-water mixtures. <i>Analytica Chimica Acta</i> , 2002, 455, 335-342.	5.4	62
61	A new method for the analysis of correlated data using procrustes rotation which is suitable for spectral analysis. <i>Chemometrics and Intelligent Laboratory Systems</i> , 1990, 7, 273-279.	3.5	59
62	Quantitative real-time PCR for cancer detection: the lymphoma case. <i>Expert Review of Molecular Diagnostics</i> , 2005, 5, 221-230.	3.1	58
63	Natural variation explains most transcriptomic changes among maize plants of MON810 and comparable non-GM varieties subjected to two N-fertilization farming practices. <i>Plant Molecular Biology</i> , 2010, 73, 349-362.	3.9	56
64	Statistical aspects of quantitative real-time PCR experiment design. <i>Methods</i> , 2010, 50, 231-236.	3.8	55
65	Spectrophotometric and thermodynamic study on the dimerization equilibrium of ionic dyes in water by chemometrics method. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2006, 65, 73-78.	3.9	54
66	Validation of kinetics similarity in qPCR. <i>Nucleic Acids Research</i> , 2012, 40, 1395-1406.	14.5	52
67	Procrustes rotation in analytical chemistry, a tutorial. <i>Chemometrics and Intelligent Laboratory Systems</i> , 2004, 72, 123-132.	3.5	51
68	Single-cell gene-expression profiling and its potential diagnostic applications. <i>Expert Review of Molecular Diagnostics</i> , 2011, 11, 735-740.	3.1	49
69	Direct Cell Lysis for Single-Cell Gene Expression Profiling. <i>Frontiers in Oncology</i> , 2013, 3, 274.	2.8	49
70	Co-ordination of multiple DNA molecules in RecA fiber evidenced by linear dichroism spectroscopy. <i>Biochimie</i> , 1991, 73, 219-226.	2.6	48
71	Ionic Strength Dependence of the Binding of Methylene Blue to Chromatin and Calf Thymus DNA. <i>Journal of Biomolecular Structure and Dynamics</i> , 1992, 9, 667-679.	3.5	48
72	Multiway real-time PCR gene expression profiling in yeast <i>Saccharomyces cerevisiae</i> reveals altered transcriptional response of ADH-genes to glucose stimuli. <i>BMC Genomics</i> , 2008, 9, 170.	2.8	47

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73	Characterization of a Single Sample by Combining Thermodynamic and Spectroscopic Information in Spectral Analysis. <i>Analytical Chemistry</i> , 1996, 68, 1706-1710.	6.5	46
74	Cautionary Note on Contamination of Reagents Used for Molecular Detection of SARS-CoV-2. <i>Clinical Chemistry</i> , 2020, 66, 1369-1372.	3.2	46
75	Distinct Expression/Function of Potassium and Chloride Channels Contributes to the Diverse Volume Regulation in Cortical Astrocytes of GFAP/EGFP Mice. <i>PLoS ONE</i> , 2012, 7, e29725.	2.5	45
76	Gene Expression Signatures in Circulating Tumor Cells Correlate with Response to Therapy in Metastatic Breast Cancer. <i>Clinical Chemistry</i> , 2017, 63, 1585-1593.	3.2	45
77	Alternative assembly of respiratory complex II connects energy stress to metabolic checkpoints. <i>Nature Communications</i> , 2018, 9, 2221.	12.8	44
78	Effects of post-mortem and physical degradation on RNA integrity and quality. <i>Biomolecular Detection and Quantification</i> , 2015, 5, 3-9.	7.0	42
79	Human oocyte maturation in vitro is improved by co-culture with cumulus cells from mature oocytes. <i>Reproductive BioMedicine Online</i> , 2018, 36, 508-523.	2.4	42
80	Quality control for quantitative PCR based on amplification compatibility test. <i>Methods</i> , 2010, 50, 308-312.	3.8	40
81	Making Reference Samples Redundant. <i>Critical Reviews in Analytical Chemistry</i> , 1999, 29, 1-28.	3.5	39
82	Expression of Pluripotency and Oocyte-Related Genes in Single Putative Stem Cells from Human Adult Ovarian Surface Epithelium Cultured <i>In Vitro</i> in the Presence of Follicular Fluid. <i>BioMed Research International</i> , 2013, 2013, 1-18.	1.9	39
83	Thermodynamics study of the dimerization equilibria of rhodamine B and 6G in different ionic strengths by photometric titration and chemometrics method. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2005, 62, 649-656.	3.9	38
84	Structure of a RecA-DNA complex from linear dichroism and small-angle neutron-scattering in flow-oriented solution. <i>Journal of Molecular Biology</i> , 1990, 216, 223-228.	4.2	37
85	Multicenter Evaluation of Circulating Plasma MicroRNA Extraction Technologies for the Development of Clinically Feasible Reverse Transcription Quantitative PCR and Next-Generation Sequencing Analytical Work Flows. <i>Clinical Chemistry</i> , 2019, 65, 1132-1140.	3.2	37
86	Characterization of the electronic structure of 4',6-diamidino-2-phenylindole. <i>Journal of the American Chemical Society</i> , 1989, 111, 7031-7035.	13.7	36
87	Determination of Acidity Constants of 4-(2-Pyridylazo)resorcinol in Binary Acetonitrile + Water Mixtures. <i>Journal of Chemical & Engineering Data</i> , 2003, 48, 1178-1182.	1.9	36
88	Intracellular expression profiles measured by real-time PCR tomography in the <i>Xenopus laevis</i> oocyte. <i>Nucleic Acids Research</i> , 2008, 36, 387-392.	14.5	35
89	Properties of targeted preamplification in DNA and cDNA quantification. <i>Expert Review of Molecular Diagnostics</i> , 2015, 15, 1085-1100.	3.1	35
90	Gene expression profiling of circulating tumor cells and peripheral blood mononuclear cells from breast cancer patients. <i>Oncolmmunology</i> , 2016, 5, e1102827.	4.6	35

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91	Pre-analytical processes in medical diagnostics: New regulatory requirements and standards. <i>New Biotechnology</i> , 2019, 52, 121-125.	4.4	35
92	Small RNA-Sequencing: Approaches and Considerations for miRNA Analysis. <i>Diagnostics</i> , 2021, 11, 964.	2.6	35
93	SPIDIA-RNA: Second External Quality Assessment for the Pre-Analytical Phase of Blood Samples Used for RNA Based Analyses. <i>PLoS ONE</i> , 2014, 9, e112293.	2.5	33
94	Thermodynamic characterization of the dimerization equilibrium of an asymmetric dye by spectral titration and chemometric analysis. <i>Talanta</i> , 2004, 62, 835-841.	5.5	32
95	Increased expression of hyperpolarization-activated cyclic nucleotide-gated (HCN) channels in reactive astrocytes following ischemia. <i>Glia</i> , 2014, 62, 2004-2021.	4.9	32
96	MicroRNAs: From Female Fertility, Germ Cells, and Stem Cells to Cancer in Humans. <i>Stem Cells International</i> , 2016, 2016, 1-17.	2.5	32
97	Structural transitions of chromatin at low salt concentrations: a flow linear dichroism study. <i>Biochemistry</i> , 1985, 24, 6336-6342.	2.5	31
98	Altered Astrocytic Swelling in the Cortex of β -Syn-trophin-Negative GFAP/EGFP Mice. <i>PLoS ONE</i> , 2014, 9, e113444.	2.5	31
99	Performance Comparison of Reverse Transcriptases for Single-Cell Studies. <i>Clinical Chemistry</i> , 2020, 66, 217-228.	3.2	31
100	Combining sequence-specific probes and DNA binding dyes in real-time PCR for specific nucleic acid quantification and melting curve analysis. <i>BioTechniques</i> , 2006, 40, 315-319.	1.8	30
101	SPIDIA-DNA: An External Quality Assessment for the pre-analytical phase of blood samples used for DNA-based analyses. <i>Clinica Chimica Acta</i> , 2013, 424, 274-286.	1.1	30
102	Differential Gene Expression Profiling of Enriched Human Spermatogonia after Short- and Long-Term Culture. <i>BioMed Research International</i> , 2014, 2014, 1-17.	1.9	30
103	Sequence dependence of 4',6-diamidino-2-phenylindole (DAPI)-DNA interactions. <i>Journal of the American Chemical Society</i> , 1993, 115, 10527-10530.	13.7	29
104	Procrustes Rotation as a Way To Compare Different Sampling Seasons in Soils. <i>Analytical Chemistry</i> , 1995, 67, 2373-2378.	6.5	29
105	Single blastomere expression profiling of <i>Xenopus laevis</i> embryos of 8 to 32-cells reveals developmental asymmetry. <i>Scientific Reports</i> , 2013, 3, 2278.	3.3	29
106	Potential Stemness of Frozen-Thawed Testicular Biopsies without Sperm in Infertile Men Included into the In Vitro Fertilization Programme. <i>Journal of Biomedicine and Biotechnology</i> , 2012, 2012, 1-15.	3.0	28
107	Analysis of In Vitro and In Vivo Characteristics of Human Embryonic Stem Cell-Derived Neural Precursors. <i>Cell Transplantation</i> , 2010, 19, 471-486.	2.5	27
108	Spatial expression profiles in the <i>Xenopus laevis</i> oocytes measured with qPCR tomography. <i>Methods</i> , 2010, 51, 87-91.	3.8	26

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109	Plasticity Response in the Contralesional Hemisphere after Subtle Neurotrauma: Gene Expression Profiling after Partial Deafferentation of the Hippocampus. <i>PLoS ONE</i> , 2013, 8, e70699.	2.5	26
110	Quantitative Analysis of Glutamate Receptors in Glial Cells from the Cortex of GFAP/EGFP Mice Following Ischemic Injury: Focus on NMDA Receptors. <i>Cellular and Molecular Neurobiology</i> , 2015, 35, 1187-1202.	3.3	25
111	Generation of reactive astrocytes from NG2 cells is regulated by sonic hedgehog. <i>Glia</i> , 2016, 64, 1518-1531.	4.9	25
112	Metformin Increases Proliferative Activity and Viability of Multipotent Stromal Stem Cells Isolated from Adipose Tissue Derived from Horses with Equine Metabolic Syndrome. <i>Cells</i> , 2019, 8, 80.	4.1	24
113	The Influence of Tissue Procurement Procedures on RNA Integrity, Gene Expression, and Morphology in Porcine and Human Liver Tissue. <i>Biopreservation and Biobanking</i> , 2015, 13, 200-206.	1.0	23
114	The Contribution of TRPV4 Channels to Astrocyte Volume Regulation and Brain Edema Formation. <i>Neuroscience</i> , 2018, 394, 127-143.	2.3	23
115	Ultrasensitive circulating tumor DNA analysis enables precision medicine: experimental workflow considerations. <i>Expert Review of Molecular Diagnostics</i> , 2021, 21, 299-310.	3.1	23
116	Detection of immune cell response to <i>M. tuberculosis</i> specific antigens by quantitative polymerase chain reaction. <i>Diagnostic Microbiology and Infectious Disease</i> , 2012, 72, 68-78.	1.8	22
117	Technical aspects and recommendations for single-cell qPCR. <i>Molecular Aspects of Medicine</i> , 2018, 59, 28-35.	6.4	22
118	3-Way characterization of soils by Procrustes rotation, matrix-augmented principal components analysis and parallel factor analysis. <i>Analytica Chimica Acta</i> , 2007, 603, 20-29.	5.4	21
119	Analysis of in Vitro and in Vivo Characteristics of Human Embryonic Stem Cell-Derived Neural Precursors. <i>Cell Transplantation</i> , 2010, 19, 471-486.	2.5	21
120	The added value of single-cell gene expression profiling. <i>Briefings in Functional Genomics</i> , 2013, 12, 81-89.	2.7	21
121	Two-tailed RT-qPCR panel for quality control of circulating microRNA studies. <i>Scientific Reports</i> , 2019, 9, 4255.	3.3	21
122	The role of nitric oxide during embryonic wound healing. <i>BMC Genomics</i> , 2019, 20, 815.	2.8	20
123	DNA orientation in shear flow. <i>Biopolymers</i> , 1993, 33, 1225-1235.	2.4	19
124	A new algorithm for the determination of protolytic constants from spectrophotometric data in multiwavelength mode: Calculations of acidity constants of 4-(2-pyridylazo)resorcinol (PAR) in mixed nonaqueous-water solvents. <i>Talanta</i> , 2006, 68, 1201-1214.	5.5	19
125	Expression of Genes Related to Germ Cell Lineage and Pluripotency in Single Cells and Colonies of Human Adult Germ Stem Cells. <i>Stem Cells International</i> , 2016, 2016, 1-17.	2.5	19
126	Preanalytical factors affecting the establishment of a single tube assay for multiparameter liquid biopsy detection in melanoma patients. <i>Molecular Oncology</i> , 2020, 14, 1001-1015.	4.6	19

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127	Transient astrocyte-like NG2^+ glia subpopulation emerges solely following permanent brain ischemia. <i>Glia</i> , 2021, 69, 2658-2681.	4.9	19
128	Multiwavelength Spectrophotometric Determination of Acidity Constants of Morin in Methanol-Water Mixtures. <i>Collection of Czechoslovak Chemical Communications</i> , 2006, 71, 1-14.	1.0	18
129	Absorption flattening in the optical spectra of liposome-entrapped substances. <i>FEBS Letters</i> , 1994, 352, 37-40.	2.8	17
130	Unambiguous Characterization of a Single Test Sample by Fluorescence Spectroscopy and Solvent Extraction without Use of Standards. <i>Analytical Chemistry</i> , 1998, 70, 4841-4846.	6.5	17
131	Implementation of a proficiency testing for the assessment of the preanalytical phase of blood samples used for RNA based analysis. <i>Clinica Chimica Acta</i> , 2012, 413, 779-786.	1.1	17
132	A single-cell analysis reveals multiple roles of oligodendroglial lineage cells during post-ischemic regeneration. <i>Glia</i> , 2018, 66, 1068-1081.	4.9	17
133	Biomarkers for Monitoring Pre-Analytical Quality Variation of mRNA in Blood Samples. <i>PLoS ONE</i> , 2014, 9, e111644.	2.5	17
134	Spectrophotometric Determination of Acidity Constants of Group B Vitamins in Different Ionic Strengths at $25 \pm 0.1^\circ\text{C}$. <i>Journal of the Korean Chemical Society</i> , 2005, 49, 269-277.	0.2	17
135	Post-treatment recovery of suboptimal DNA repair capacity and gene expression levels in colorectal cancer patients. <i>Molecular Carcinogenesis</i> , 2015, 54, 769-778.	2.7	16
136	Asymmetric distribution of biomolecules of maternal origin in the <i>Xenopus laevis</i> egg and their impact on the developmental plan. <i>Scientific Reports</i> , 2018, 8, 8315.	3.3	15
137	Competitive Binding Between Unmodified and Etheno DNA Provides Information About Structure and Stoichiometry of RECA-DNA Complexes. <i>Nucleosides & Nucleotides</i> , 1988, 7, 783-786.	0.5	14
138	Electronic linear dichroism spectrum and transition moment directions of the hypermodified nucleic acid base Wye. <i>The Journal of Physical Chemistry</i> , 1990, 94, 4006-4011.	2.9	14
139	Reinterpretation of Linear Dichroism of Chromatin Supports a Perpendicular Linker Orientation in the Folded State. <i>Journal of Biomolecular Structure and Dynamics</i> , 1990, 8, 37-54.	3.5	14
140	LightUp [®] probes in clinical diagnostics. <i>Molecular Aspects of Medicine</i> , 2006, 27, 160-175.	6.4	14
141	Prostate-specific antigen mRNA and protein levels in laser microdissected cells of human prostate measured by real-time reverse transcriptase-quantitative polymerase chain reaction and immuno-quantitative polymerase chain reaction. <i>Human Pathology</i> , 2008, 39, 1474-1482.	2.0	14
142	Electric and Flow Linear Dichroism of Unfolded and Condensed Chromatin: A Comparative Study at Low and Intermediate Ionic Strength. <i>Journal of Biomolecular Structure and Dynamics</i> , 1989, 7, 19-33.	3.5	13
143	Conformational differences between latent and active plasminogen activator inhibitor, PAI-1: A spectroscopic study. <i>Thrombosis Research</i> , 1990, 59, 851-858.	1.7	13
144	Long-range interactions between DNA-bound ligands. <i>Journal of Molecular Recognition</i> , 1994, 7, 233-241.	2.1	12

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145	Properties of RecA-oligonucleotide complexes. <i>Journal of Molecular Recognition</i> , 1994, 7, 199-206.	2.1	11
146	Determination of Protolytic Constants by Trilinear Fluorescence Spectroscopy. <i>Journal of Fluorescence</i> , 2004, 14, 139-144.	2.5	11
147	SPECTROPHOTOMETRIC INVESTIGATION OF THE ACIDITY CONSTANTS OF FLUORESCEIN IN VARIOUS WATER-ORGANIC SOLVENT MEDIA. <i>Chemical Engineering Communications</i> , 2008, 195, 1257-1268.	2.6	11
148	Liquid biopsy analysis in cancer diagnostics. <i>Molecular Aspects of Medicine</i> , 2020, 72, 100839.	6.4	11
149	Preconceptional paternal glycidamide exposure affects embryonic gene expression: Single embryo gene expression study following in vitro fertilization. <i>Reproductive Toxicology</i> , 2011, 32, 463-471.	2.9	10
150	Multicenter Evaluation of Independent High-Throughput and RT-qPCR Technologies for the Development of Analytical Workflows for Circulating miRNA Analysis. <i>Cancers</i> , 2020, 12, 1166.	3.7	10
151	The electronically excited states of 2-phenylindole. <i>Chemical Physics</i> , 1991, 151, 149-157.	1.9	9
152	Classification of commercial apple beverages using a minimum set of mid-IR wavenumbers selected by Procrustes rotation. <i>Analyst, The</i> , 2003, 128, 1193-1199.	3.5	9
153	Neural Cell Adhesion Molecule-Deficient β -Cell Tumorigenesis Results in Diminished Extracellular Matrix Molecule Expression and Tumour Cell-Matrix Adhesion. <i>Tumor Biology</i> , 2005, 26, 103-112.	1.8	8
154	Tutorial: Guidelines for Single-Cell RT-qPCR. <i>Cells</i> , 2021, 10, 2607.	4.1	8
155	The focus on sample quality: Influence of colon tissue collection on reliability of qPCR data. <i>Scientific Reports</i> , 2016, 6, 29023.	3.3	7
156	<title>Light-up-probe-based real-time Q-PCR</title>. , 2001, 4264, 53.		6
157	Intracellular microRNA profiles form in the <i>Xenopus laevis</i> oocyte that may contribute to asymmetric cell division. <i>Scientific Reports</i> , 2015, 5, 11157.	3.3	6
158	The correlation between expression profiles measured in single cells and in traditional bulk samples. <i>Scientific Reports</i> , 2016, 6, 37022.	3.3	6
159	The secrets of the cell. <i>Molecular Aspects of Medicine</i> , 2018, 59, 1-4.	6.4	6
160	Small RNA-Sequencing for Analysis of Circulating miRNAs. <i>Journal of Molecular Diagnostics</i> , 2022, 24, 386-394.	2.8	6
161	Detection of Abundant Non-Haematopoietic Circulating Cancer-Related Cells in Patients with Advanced Epithelial Ovarian Cancer. <i>Cells</i> , 2019, 8, 732.	4.1	5
162	High potassium exposure reveals the altered ability of astrocytes to regulate their volume in the aged hippocampus of GFAP/EGFP mice. <i>Neurobiology of Aging</i> , 2020, 86, 162-181.	3.1	5

#	ARTICLE	IF	CITATIONS
163	The interactions between the fluorescent dye thiazole orange and DNA. <i>Biopolymers</i> , 1998, 46, 39-51.	2.4	5
164	Flow linear dichroism supports an accordion model for the salt-induced condensation of chromatin. <i>Biochemical Pharmacology</i> , 1988, 37, 1813-1814.	4.4	4
165	I See the Light! And I See It Again and Again!. <i>Clinical Chemistry</i> , 2012, 58, 1505-1506.	3.2	4
166	Linear Dichroism and Induced Circular Dichroism for Studying Structure and Interactions of DNA. , 1988, , 133-165.		4
167	Dye-Based High-Throughput qPCR in Microfluidic Platform BioMarkâ„¢. , 2013, , 323-338.		4
168	Asymmetric Localization and Distribution of Factors Determining Cell Fate During Early Development of <i>Xenopus laevis</i> . <i>Results and Problems in Cell Differentiation</i> , 2017, 61, 229-241.	0.7	3
169	NormQ: RNASeq normalization based on RT-qPCR derived size factors. <i>Computational and Structural Biotechnology Journal</i> , 2020, 18, 1173-1181.	4.1	3
170	Properties of RecA Complexes with Homopolymeric DNA Strands Depend on Sequence Complementarity. Implications for the Mechanism of Strand Exchange. <i>Nucleosides & Nucleotides</i> , 1994, 13, 753-772.	0.5	2
171	Thermodynamic characterization of the dimerization equilibrium of newly synthesized polymethine cyanine dyes. <i>Journal of the Serbian Chemical Society</i> , 2008, 73, 1011-1019.	0.8	2
172	Comparison of Reverse Transcription Quantitative Real-Time PCR, Flow Cytometry, and Immunohistochemistry for Detection of Monoclonality in Lymphomas. <i>ISRN Oncology</i> , 2014, 2014, 1-6.	2.1	2
173	The interactions between the fluorescent dye thiazole orange and DNA. , 1998, 46, 39.		2
174	Characterization of fluoresceinâ€“oligonucleotide conjugates and measurement of local electrostatic potential. <i>Biopolymers</i> , 1998, 46, 445-453.	2.4	2
175	Real Time PCR Platforms. , 2004, , 1126-1130.		2
176	A circular dichroism study of mitochondrial transhydrogenase from beef heart. <i>Biophysical Chemistry</i> , 1991, 39, 267-272.	2.8	1
177	DNA Binding Fluorophores. , 2004, , 351-355.		1
178	Abstract 502: Gene expression signatures in circulating tumor cells are prognostic for metastatic lesions in breast cancer patients and correlate with response to therapy. <i>Cancer Research</i> , 2016, 76, 502-502.	0.9	1
179	Drivers and Hurdles for qPCR. <i>Genetic Engineering and Biotechnology News</i> , 2012, 32, 24-26.	0.1	0
180	Abstract 2946: Gene expression profiling in circulating cells (CTCs) of breast carcinoma patients - a tool for early metastasis detection and therapy individualization. , 2010, , .		0

#	ARTICLE	IF	CITATIONS
181	Abstract 3398: High-throughput expression profiling of circulating tumor cells from breast cancer patients as potential therapy decision indicator. , 2012, , .		0
182	Abstract 372: Expression profiling of circulating tumor cells: A prognostic and predictive biomarker in metastatic breast cancer. , 2015, , .		0
183	Abstract 2506: Simultaneous DNA, RNA and protein analysis from single cells using a high-throughput microfluidic workflow for resolution of genotype-to-phenotype modalities. , 2020, , .		0