Penelope C Ioannou

List of Publications by Year
in descending order

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75 papers	1,916 citations	279487 23 h-index	276539 41 g-index
75 all docs	75 docs citations	75 times ranked	1901 citing authors

#	Article	IF	Citations
1	Peripheral alpha-synuclein levels in patients with genetic and non-genetic forms of Parkinson's disease. Parkinsonism and Related Disorders, 2020, 73, 35-40.	1.1	12
2	Paper-based device providing visual genetic signatures for precision medicine: application to breast cancer. Analytical and Bioanalytical Chemistry, 2019, 411, 3769-3776.	1.9	3
3	Multianalyte quantitative competitive PCR on optically encoded microspheres for an eight-gene panel related to prostate cancer. Analytical and Bioanalytical Chemistry, 2018, 410, 971-980.	1.9	3
4	Multi-allele dipstick assay for visual genotyping of four novel SIRT1 gene variant alleles as candidate biomarkers for sporadic Parkinson disease. Mikrochimica Acta, 2017, 184, 2845-2853.	2.5	2
5	Digital camera and smartphone as detectors in paper-based chemiluminometric genotyping of single nucleotide polymorphisms. Analytical and Bioanalytical Chemistry, 2016, 408, 7393-7402.	1.9	24
6	Îwo-panel molecular testing for genetic predisposition for thrombosis using multi-allele visual biosensors. Analytical and Bioanalytical Chemistry, 2016, 408, 1943-1952.	1.9	8
7	Screening non-deletion Î±-thalassaemia mutations in the HBA1 and HBA2 genes by high-resolution melting analysis. Clinical Chemistry and Laboratory Medicine, 2015, 53, 1951-9.	1.4	2
8	Lateral flow devices for nucleic acid analysis exploiting quantum dots as reporters. Analytica Chimica Acta, 2015, 864, 48-54.	2.6	44
9	Multi-allele DNA biosensor for the rapid genotyping of â€˜nondeletionâ€™ alpha thalassaemia mutations in HBA1 and HBA2 genes by means of multiplex primer extension reaction. Clinica Chimica Acta, 2015, 446, 241-247.	0.5	3
10	Olive Oil DNA Fingerprinting by Multiplex SNP Genotyping on Fluorescent Microspheres. Journal of Agricultural and Food Chemistry, 2015, 63, 3121-3128.	2.4	33
11	Multi-allele genotyping platform for the simultaneous detection of mutations in the Wilson disease related ATP7B gene. Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences, 2015, 1006, 201-208.	1.2	4
12	A simplified approach for FSHD molecular testing. Clinica Chimica Acta, 2014, 429, 96-103.	0.5	3
13	Quantitative Bioluminometric Method for DNA-Based Species/Varietal Identification in Food Authenticity Assessment. Journal of Agricultural and Food Chemistry, 2012, 60, 912-916.	2.4	7
14	Lateral flow dipstick test for genotyping of 15 beta-globin gene (HBB) mutations with naked-eye detection. Analytica Chimica Acta, 2012, 727, 61-66.	2.6	8
15	Dipstick Test for DNA-Based Food Authentication. Application to Coffee Authenticity Assessment. Journal of Agricultural and Food Chemistry, 2012, 60, 713-717.	2.4	27
16	A nanoparticle-based sensor for visual detection of multiple mutations. Nanotechnology, 2011, 22, 155501.	1.3	20
17	Absolute Quantification of the Alleles in Somatic Point Mutations by Bioluminometric Methods based on Competitive Polymerase Chain Reaction in the Presence of a Locked Nucleic Acid Blocker or an Allele-Specific Primer. Analytical Chemistry, 2011, 83, 6545-6551.	3.2	7
18	Quadruple-allele dipstick test for simultaneous visual genotyping of A896G (Asp299Gly) and C1196T (Thr399Ile) polymorphisms in the toll-like receptor-4 gene. Clinica Chimica Acta, 2011, 412, 1968-1972.	0.5	9

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19	Carbon nano-strings as reporters in lateral flow devices for DNA sensing by hybridization. Analytical and Bioanalytical Chemistry, 2011, 400, 1145-1152.	1.9	27
20	Visual screening for JAK2V617F mutation by a disposable dipstick. Analytical and Bioanalytical Chemistry, 2010, 397, 1911-1916.	1.9	11
21	Development of a three-biosensor panel for the visual detection of thrombophilia-associated mutations. Biosensors and Bioelectronics, 2010, 26, 228-234.	5.3	19
22	Ultrafast fluorescence dynamics of Sybr Green I/DNA complexes. Chemical Physics Letters, 2010, 485, 187-190.	1.2	8
23	Chapter 9. Gene Assays Based on Bio(Chemi)luminescence. , 2010, , 334-377.		3
24	Multianalyte, dipstick-type, nanoparticle-based DNA biosensor for visual genotyping of single-nucleotide polymorphisms. Biosensors and Bioelectronics, 2009, 24, 3135-3139.	5.3	50
25	Dual-allele dipstick assay for genotyping single nucleotide polymorphisms by primer extension reaction. European Journal of Human Genetics, 2009, 17, 105-111.	1.4	14
26	Dipstick-type biosensor for visual detection of DNA with oligonucleotide-decorated colored polystyrene microspheres as reporters. Biosensors and Bioelectronics, 2009, 24, 1811-1815.	5.3	29
27	High-throughput chemiluminometric genotyping of single nucleotide polymorphisms of histamine, serotonin, and adrenergic receptor genes. Analytical Biochemistry, 2009, 385, 34-41.	1.1	7
28	Bioluminometric Assay for Relative Quantification of Mutant Allele Burden: Application to the Oncogenic Somatic Point Mutation JAK2 V617F. Analytical Chemistry, 2009, 81, 8596-8602.	3.2	7
29	Identification of Single-Nucleotide Polymorphisms by the Oligonucleotide Ligation Reaction: A DNA Biosensor for Simultaneous Visual Detection of Both Alleles. Analytical Chemistry, 2009, 81, 218-224.	3.2	51
30	Quadruple-allele chemiluminometric assay for simultaneous genotyping of two single-nucleotide polymorphisms. Analyst, The, 2009, 134, 725.	1.7	11
31	Association of TLR4 Single-Nucleotide Polymorphisms and Sarcoidosis in Greek Patients. Genetic Testing and Molecular Biomarkers, 2009, 13, 849-853.	0.3	7
32	Visual genotyping of SNPs of drug-metabolizing enzymes by tetra-primer PCR coupled with a dry-reagent DNA biosensor. Pharmacogenomics, 2009, 10, 495-504.	0.6	11
33	Advances in molecular techniques for the detection and quantification of genetically modified organisms. Analytical and Bioanalytical Chemistry, 2008, 392, 347-354.	1.9	91
34	Dry-reagent disposable biosensor for visual genotyping of single nucleotide polymorphisms by oligonucleotide ligation reaction: application to pharmacogenetic analysis. Human Mutation, 2008, 29, 1071-1078.	1.1	18
35	High-throughput microtiter well-based bioluminometric genotyping of two single-nucleotide polymorphisms in the toll-like receptor-4 gene. Analytical Biochemistry, 2008, 376, 235-241.	1.1	10
36	High-Throughput Microtiter Well-Based Chemiluminometric Genotyping of 15 HBB Gene Mutations in a Dry-Reagent Format. Clinical Chemistry, 2007, 53, 384-391.	1.5	20

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37	Dry-reagent disposable dipstick test for visual screening of seven leukemia-related chromosomal translocations. Nucleic Acids Research, 2007, 35, e23-e23.	6.5	22
38	Quadruple-Analyte Chemiluminometric Hybridization Assay. Application to Double Quantitative Competitive Polymerase Chain Reaction. Analytical Chemistry, 2007, 79, 9433-9440.	3.2	25
39	Genotyping of Single-Nucleotide Polymorphisms by Primer Extension Reaction in a Dry-Reagent Dipstick Format. Analytical Chemistry, 2007, 79, 395-402.	3.2	60
40	Multiplex Quantitative Competitive Polymerase Chain Reaction Based on a Multianalyte Hybridization Assay Performed on Spectrally Encoded Microspheres. Analytical Chemistry, 2007, 79, 6655-6661.	3.2	25
41	Dry reagent dipstick test combined with 23S rRNA PCR for molecular diagnosis of bacterial infection in arthroplasty. Analytical Biochemistry, 2007, 361, 169-175.	1.1	45
42	Genotyping of single nucleotide polymorphisms by primer extension reaction and a dual-analyte bio/chemiluminometric assay. Analytical and Bioanalytical Chemistry, 2007, 388, 1747-1754.	1.9	26
43	Rapid genotyping of CYP2D6, CYP2C19 and TPMT polymorphisms by primer extension reaction in a dipstick format. Analytical and Bioanalytical Chemistry, 2007, 389, 1849-1857.	1.9	14
44	Photoproteins in Nucleic Acid Analysis. , 2006, , 77-94.		3
45	Nanoparticle-based DNA biosensor for visual detection of genetically modified organisms. Biosensors and Bioelectronics, 2006, 21, 1069-1076.	5.3	94
46	Method for rapid conjugation of recombinant photoprotein aequorin with streptavidin and application as a universal detection reagent for binding assays. Analytica Chimica Acta, 2006, 558, 267-273.	2.6	5
47	Photoprotein aequorin as a novel reporter for SNP genotyping by primer extensionâ€“application to the variants of mannose-binding lectin gene. Human Mutation, 2006, 27, 279-285.	1.1	25
48	Duplex RT-PCR and chemiluminometric hybridization assay for combined screening of the mRNAs of prostate-specific antigen and prostate-specific membrane antigen in peripheral blood. Analytica Chimica Acta, 2005, 531, 193-198.	2.6	2
49	High-Throughput Double Quantitative Competitive Polymerase Chain Reaction for Determination of Genetically Modified Organisms. Analytical Chemistry, 2005, 77, 4785-4791.	3.2	29
50	Detection of transgenes in soybean via a polymerase chain reaction and a simple bioluminometric assay based on a universal aequorin-labeled oligonucleotide probe. Analytical and Bioanalytical Chemistry, 2004, 378, 1748-1753.	1.9	13
51	High-throughput chemiluminometric determination of prostate-specific membrane antigen mRNA in peripheral blood by RT-PCR using a synthetic RNA internal standard. Analytical and Bioanalytical Chemistry, 2004, 380, 90-7.	1.9	5
52	Rapid analysis of genetically modified organisms by in-house developed capillary electrophoresis chip and laser-induced fluorescence system. Electrophoresis, 2004, 25, 922-930.	1.3	40
53	Determination of prostate specific antigen mRNA in peripheral blood by reverse transcriptase polymerase chain reaction and a simple chemiluminometric hybridization assay in a high-throughput format. Analytical Biochemistry, 2003, 313, 97-105.	1.1	8
54	Oligonucleotide-Functionalized Gold Nanoparticles as Probes in a Dry-Reagent Strip Biosensor for DNA Analysis by Hybridization. Analytical Chemistry, 2003, 75, 4155-4160.	3.2	196

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55	One-step purification and refolding of recombinant photoprotein aequorin by immobilized metal-ion affinity chromatography. Protein Expression and Purification, 2003, 27, 384-390.	0.6	60
56	Affinity Capture-Facilitated Preparation of Aequorinâ˜ Oligonucleotide Conjugates for Rapid Hybridization Assays. Bioconjugate Chemistry, 2003, 14, 1024-1029.	1.8	22
57	Post-column terbium complexation and sensitized fluorescence detection for the determination of norepinephrine, epinephrine and dopamine using high-performance liquid chromatography. Analytica Chimica Acta, 2002, 462, 179-185.	2.6	195
58	Enzyme-Amplified Aequorin-Based Bioluminometric Hybridization Assays. Analytical Chemistry, 2001, 73, 689-692.	3.2	35
59	Expression Hybridization Assays Combining cDNAs from Firefly andRenillaLuciferases as Labels for Simultaneous Determination of Two Target Sequences. Analytical Chemistry, 2000, 72, 4022-4028.	3.2	12
60	Novel Hybridization Assay Configurations Based on In Vitro Expression of DNA Reporter Molecules. Clinical Biochemistry, 1998, 31, 151-158.	0.8	6
61	Spectrofluorimetric determination of anthranilic acid derivatives based on terbium sensitized fluorescence. Analyst, The, 1998, 123, 2839-2843.	1.7	64
62	Two-Round Enzymatic Amplification Combined with Time-Resolved Fluorometry of Tb3+ Chelates for Enhanced Sensitivity in DNA Hybridization Assays. Analytical Chemistry, 1998, 70, 698-702.	3.2	22
63	A Highly Sensitive Enzyme-amplified Lanthanide Luminescence Immunoassay for Interleukin 6. Clinical Chemistry, 1998, 44, 1351-1353.	1.5	14
64	Application of terbium sensitized fluorescence for the determination of fluoroquinolone antibiotics pefloxacin, ciprofloxacin and norfloxacin in serum. Journal of Pharmaceutical and Biomedical Analysis, 1997, 15, 1839-1844.	1.4	85
65	Second-derivative synchronous fluorescence spectroscopy for the simultaneous determination of naproxen and salicylic acid in human serum. Analyst, The, 1996, 121, 909.	1.7	28
66	Simple spectrofluorometric determination of p-aminobenzoic and p-aminosalicylic acids in biological fluids by use of terbium-sensitized luminescence. Clinical Chemistry, 1996, 42, 1659-1665.	1.5	24
67	Simple spectrofluorometric determination of p-aminobenzoic and p-aminosalicylic acids in biological fluids by use of terbium-sensitized luminescence. Clinical Chemistry, 1996, 42, 1659-65.	1.5	11
68	Flow injection spectrofluorimetric method for the determination of magnesium in blood serum. Analyst, The, 1995, 120, 2115.	1.7	7
69	Simultaneous determination of acetylsalicylic and salicylic acids in human serum and aspirin formulations by second-derivative synchronous fluorescence spectrometry. Analyst, The, 1991, 116, 373.	1.7	21
70	Fluorometric determination of magnesium in serum with 2-hydroxy-1-naphthaldehyde salicyloylhydrazone.. Clinical Chemistry, 1989, 35, 1492-1496.	1.5	11
71	Fluorometric determination of magnesium in serum with 2-hydroxy-1-naphthaldehyde salicyloylhydrazone. Clinical Chemistry, 1989, 35, 1492-6.	1.5	2
72	A more simple, rapid and sensitive fluorimetric method for the determination of isoniazid and acetylisoniazid in serum. Application for acetylator phenotyping. Clinica Chimica Acta, 1988, 175, 175-181.	0.5	8

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73	A simple and rapid fluorimetric method for the microdetermination of isonicotinic acid hydrazide. Talanta, 1987, 34, 857-860.	2.9	24
74	Kinetic fluorometric determination of aluminum in serum.. Clinical Chemistry, 1986, 32, 1481-1483.	1.5	9
75	Fluorimetric kinetic studies and sub-Î¼M determination of aluminium with 2-hydroxy-1-naphthaldehyde p-methoxybenzoylhydrazone. Talanta, 1984, 31, 253-257.	2.9	6