

# Francis Barany

## List of Publications by Year in descending order

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Version: 2024-02-01

49  
papers

3,121  
citations

201674

27  
h-index

206112

48  
g-index

50  
all docs

50  
docs citations

50  
times ranked

3912  
citing authors

#	ARTICLE	IF	CITATIONS
1	Solid-phase XRN1 reactions for RNA cleavage: application in single-molecule sequencing. <i>Nucleic Acids Research</i> , 2021, 49, e41-e41.	14.5	6
2	PROTACs: Promising Approaches for Epigenetic Strategies to Overcome Drug Resistance. <i>Current Cancer Drug Targets</i> , 2021, 21, 306-325.	1.6	4
3	MGMT Epigenetics: The Influence of Gene Body Methylation and Other Insights Derived from Integrated Methyloomic, Transcriptomic, and Chromatin Analyses in Various Cancer Types. <i>Current Cancer Drug Targets</i> , 2021, 21, 360-374.	1.6	5
4	A Unified Transcriptional, Pharmacogenomic, and Gene Dependency Approach to Decipher the Biology, Diagnostic Markers, and Therapeutic Targets Associated with Prostate Cancer Metastasis. <i>Cancers</i> , 2021, 13, 5158.	3.7	3
5	Novel, Self-Assembling Dimeric Inhibitors of Human $\hat{I}^2$ Tryptase. <i>Journal of Medicinal Chemistry</i> , 2020, 63, 3004-3027.	6.4	29
6	Single-molecule detection of cancer mutations using a novel PCR-LDR-qPCR assay. <i>Human Mutation</i> , 2020, 41, 1051-1068.	2.5	8
7	Application of Multiplex Bisulfite PCR-Ligase Detection Reaction-Real-Time Quantitative PCR Assay in Interrogating Bioinformatically Identified, Blood-Based Methylation Markers for Colorectal Cancer. <i>Journal of Molecular Diagnostics</i> , 2020, 22, 885-900.	2.8	5
8	Prediction of blood-based biomarkers and subsequent design of bisulfite PCR-LDR-qPCR assay for breast cancer detection. <i>BMC Cancer</i> , 2020, 20, 85.	2.6	12
9	Can CpG methylation serve as surrogate markers for immune infiltration in cancer?. <i>Advances in Cancer Research</i> , 2019, 143, 351-384.	5.0	19
10	Pathways- and epigenetic-based assessment of relative immune infiltration in various types of solid tumors. <i>Advances in Cancer Research</i> , 2019, 142, 107-143.	5.0	10
11	A Multiplex PCR/LDR Assay for Viral Agents of Diarrhea with the Capacity to Genotype Rotavirus. <i>Scientific Reports</i> , 2018, 8, 13215.	3.3	3
12	Target-Directed Self-Assembly of Homodimeric Drugs Against $\hat{I}^2$ -Tryptase. <i>ACS Medicinal Chemistry Letters</i> , 2018, 9, 827-831.	2.8	5
13	Reversible Linkage of Two Distinct Small Molecule Inhibitors of Myc Generates a Dimeric Inhibitor with Improved Potency That Is Active in Myc Over-Expressing Cancer Cell Lines. <i>PLoS ONE</i> , 2015, 10, e0121793.	2.5	14
14	A Multiplex PCR/LDR Assay for the Simultaneous Identification of Category A Infectious Pathogens: Agents of Viral Hemorrhagic Fever and Variola Virus. <i>PLoS ONE</i> , 2015, 10, e0138484.	2.5	15
15	Abstract B43: Reversible linkage of two distinct small molecule inhibitors of MYC generates a more potent and selective dimeric inhibitor that is active in cancer cell lines over-expressing MYC. , 2015, , .		0
16	A multiplex PCR/LDR assay for simultaneous detection and identification of the NIAID category B bacterial food and water-borne pathogens. <i>Diagnostic Microbiology and Infectious Disease</i> , 2014, 79, 135-140.	1.8	12
17	EndoV/DNA ligase mutation scanning assay using microchip capillary electrophoresis and dual-color laser-induced fluorescence detection. <i>Analytical Methods</i> , 2012, 4, 58-64.	2.7	34
18	Modular microfluidic system fabricated in thermoplastics for the strain-specific detection of bacterial pathogens. <i>Lab on A Chip</i> , 2012, 12, 3348.	6.0	31

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19	High-Throughput Selection, Enumeration, Electrokinetic Manipulation, and Molecular Profiling of Low-Abundance Circulating Tumor Cells Using a Microfluidic System. <i>Analytical Chemistry</i> , 2011, 83, 2301-2309.	6.5	168
20	Molecular Profiling of Colon Tumors: The Search for Clinically Relevant Biomarkers of Progression, Prognosis, Therapeutics, and Predisposition. <i>Annals of Surgical Oncology</i> , 2011, 18, 3694-3700.	1.5	51
21	Gene Dysregulations Driven by Somatic Copy Number Aberrations-Biological and Clinical Implications in Colon Tumors. <i>Journal of Molecular Diagnostics</i> , 2010, 12, 552-561.	2.8	23
22	PCR/LDR/Universal Array Platforms for the Diagnosis of Infectious Disease. <i>Methods in Molecular Biology</i> , 2010, 632, 141-157.	0.9	6
23	Emerging Paradigms in Cancer Genetics: Some Important Findings from High-Density Single Nucleotide Polymorphism Array Studies: Fig. 1.. <i>Cancer Research</i> , 2009, 69, 723-727.	0.9	46
24	Genome-wide autozygosity mapping in human populations. <i>Genetic Epidemiology</i> , 2009, 33, 172-180.	1.3	58
25	Association of survival and disease progression with chromosomal instability: A genomic exploration of colorectal cancer. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2009, 106, 7131-7136.	7.1	326
26	Ligase detection reaction for the analysis of point mutations using free-resolution conjugate electrophoresis in a polymer microfluidic device. <i>Electrophoresis</i> , 2008, 29, 4751-4760.	2.4	24
27	CpG Island Methylator Phenotype Associates with Low-Degree Chromosomal Abnormalities in Colorectal Cancer. <i>Clinical Cancer Research</i> , 2008, 14, 6005-6013.	7.0	101
28	The Signatures of Autozygosity among Patients with Colorectal Cancer. <i>Cancer Research</i> , 2008, 68, 2610-2621.	0.9	47
29	MDM2 Gene Amplification Is Correlated to Tumor Progression but not to the Presence of SNP309 or TP53 Mutational Status in Primary Colorectal Cancers. <i>Molecular Cancer Research</i> , 2008, 6, 205-211.	3.4	47
30	Multiplexed Identification of Blood-Borne Bacterial Pathogens by Use of a Novel 16S rRNA Gene PCR-Ligase Detection Reaction-Capillary Electrophoresis Assay. <i>Journal of Clinical Microbiology</i> , 2007, 45, 1927-1935.	3.9	44
31	Serial processing of biological reactions using flow-through microfluidic devices: coupled PCR/LDR for the detection of low-abundant DNA point mutations. <i>Analyst</i> , The, 2007, 132, 913.	3.5	46
32	Harnessing asymmetrical substrate recognition by thermostable EndoV to achieve balanced linear amplification in multiplexed SNP typing. <i>Biochemistry and Cell Biology</i> , 2006, 84, 232-242.	2.0	4
33	Polymerase chain reaction/ligase detection reaction/hybridization assays using flow-through microfluidic devices for the detection of low-abundant DNA point mutations. <i>Biosensors and Bioelectronics</i> , 2006, 21, 1915-1923.	10.1	125
34	Relationship of Gene Expression and Chromosomal Abnormalities in Colorectal Cancer. <i>Cancer Research</i> , 2006, 66, 2129-2137.	0.9	231
35	Fabrication of DNA microarrays onto poly(methyl methacrylate) with ultraviolet patterning and microfluidics for the detection of low-abundant point mutations. <i>Analytical Biochemistry</i> , 2005, 340, 123-135.	2.4	81
36	Multiplexed profiling of candidate genes for CpG island methylation status using a flexible PCR/LDR/Universal Array assay. <i>Genome Research</i> , 2005, 16, 282-289.	5.5	36

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37	Ligase Detection Reaction/Hybridization Assays Using Three-Dimensional Microfluidic Networks for the Detection of Low-Abundant DNA Point Mutations. <i>Analytical Chemistry</i> , 2005, 77, 3243-3255.	6.5	77
38	Fabrication of DNA microarrays onto polymer substrates using UV modification protocols with integration into microfluidic platforms for the sensing of low-abundant DNA point mutations. <i>Methods</i> , 2005, 37, 103-113.	3.8	42
39	High sensitivity EndoV mutation scanning through real-time ligase proofreading. <i>Nucleic Acids Research</i> , 2004, 32, e148-e148.	14.5	23
40	Harmonized microarray/mutation scanning analysis of TP53 mutations in undissected colorectal tumors. <i>Human Mutation</i> , 2004, 24, 63-75.	2.5	20
41	Microarrays Assembled in Microfluidic Chips Fabricated from Poly(methyl methacrylate) for the Detection of Low-Abundant DNA Mutations. <i>Analytical Chemistry</i> , 2003, 75, 1130-1140.	6.5	145
42	Single nucleotide polymorphism seeking long term association with complex disease. <i>Nucleic Acids Research</i> , 2002, 30, 3295-3311.	14.5	157
43	An endonuclease/ligase based mutation scanning method especially suited for analysis of neoplastic tissue. <i>Oncogene</i> , 2002, 21, 1909-1921.	5.9	40
44	Universal DNA array detection of small insertions and deletions in BRCA1 and BRCA2. <i>Nature Biotechnology</i> , 2000, 18, 561-564.	17.5	200
45	Biochemical properties of a high fidelity DNA ligase from <i>Thermus</i> species AK16D. <i>Nucleic Acids Research</i> , 1999, 27, 788-794.	14.5	89
46	Multiplex PCR/LDR for detection of K-ras mutations in primary colon tumors. <i>Oncogene</i> , 1999, 18, 27-38.	5.9	166
47	Ligase detection reaction for identification of low abundance mutations. <i>Clinical Biochemistry</i> , 1999, 32, 287-290.	1.9	50
48	Universal DNA microarray method for multiplex detection of low abundance point mutations 1 1Edited by K. Yamamoto. <i>Journal of Molecular Biology</i> , 1999, 292, 251-262.	4.2	329
49	Cloning, overexpression and nucleotide sequence of a thermostable DNA ligase-encoding gene. <i>Gene</i> , 1991, 109, 1-11.	2.2	104