

# Jose Luis Costa

## List of Publications by Year in descending order

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Version: 2024-02-01

54  
papers

2,357  
citations

257450

24  
h-index

214800

47  
g-index

54  
all docs

54  
docs citations

54  
times ranked

4135  
citing authors

#	ARTICLE	IF	CITATIONS
1	Towards Machine Learning-Aided Lung Cancer Clinical Routines: Approaches and Open Challenges. <i>Journal of Personalized Medicine</i> , 2022, 12, 480.	2.5	19
2	Multiple instance learning for lung pathophysiological findings detection using CT scans. <i>Medical and Biological Engineering and Computing</i> , 2022, 60, 1569-1584.	2.8	4
3	Differential Gene Expression Analysis of the Most Relevant Genes for Lung Cancer Prediction and Sub-type Classification. <i>Lecture Notes in Computer Science</i> , 2022, , 182-191.	1.3	0
4	EGFR Assessment in Lung Cancer CT Images: Analysis of Local and Holistic Regions of Interest Using Deep Unsupervised Transfer Learning. <i>IEEE Access</i> , 2021, 9, 58667-58676.	4.2	24
5	The Role of Liquid Biopsy in Early Diagnosis of Lung Cancer. <i>Frontiers in Oncology</i> , 2021, 11, 634316.	2.8	50
6	Targeting p53 for Melanoma Treatment: Counteracting Tumour Proliferation, Dissemination and Therapeutic Resistance. <i>Cancers</i> , 2021, 13, 1648.	3.7	11
7	Machine Learning and Feature Selection Methods for EGFR Mutation Status Prediction in Lung Cancer. <i>Applied Sciences (Switzerland)</i> , 2021, 11, 3273.	2.5	21
8	Clinical Application of Next-Generation Sequencing of Plasma Cell-Free DNA for Genotyping Untreated Advanced Non-Small Cell Lung Cancer. <i>Cancers</i> , 2021, 13, 2707.	3.7	8
9	Sharing Biomedical Data: Strengthening AI Development in Healthcare. <i>Healthcare (Switzerland)</i> , 2021, 9, 827.	2.0	8
10	BBIT20 inhibits homologous DNA repair with disruption of the BRCA1-BARD1 interaction in breast and ovarian cancer. <i>British Journal of Pharmacology</i> , 2021, 178, 3627-3647.	5.4	13
11	Liquid Biopsy for Disease Monitoring in Non-Small Cell Lung Cancer: The Link between Biology and the Clinic. <i>Cells</i> , 2021, 10, 1912.	4.1	13
12	Validation of a Targeted Next-Generation Sequencing Panel for Tumor Mutation Burden Analysis. <i>Journal of Molecular Diagnostics</i> , 2021, 23, 882-893.	2.8	2
13	The Adaptive Immune Landscape of the Colorectal Adenoma-Carcinoma Sequence. <i>International Journal of Molecular Sciences</i> , 2021, 22, 9791.	4.1	3
14	Comprehensive Perspective for Lung Cancer Characterisation Based on AI Solutions Using CT Images. <i>Journal of Clinical Medicine</i> , 2021, 10, 118.	2.4	14
15	An Interpretable Approach for Lung Cancer Prediction and Subtype Classification using Gene Expression. , 2021, 2021, 1707-1710.		7
16	The value of cell-free circulating tumour DNA profiling in advanced non-small cell lung cancer (NSCLC) management. <i>Cancer Cell International</i> , 2021, 21, 675.	4.1	9
17	Utility of Circulating Tumor DNA in Different Clinical Scenarios of Breast Cancer. <i>Cancers</i> , 2020, 12, 3797.	3.7	4
18	Pre-Training Autoencoder for Lung Nodule Malignancy Assessment Using CT Images. <i>Applied Sciences (Switzerland)</i> , 2020, 10, 7837.	2.5	10

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19	Identifying relationships between imaging phenotypes and lung cancer-related mutation status: EGFR and KRAS. <i>Scientific Reports</i> , 2020, 10, 3625.	3.3	41
20	Induction of apoptosis increases sensitivity to detect cancer mutations in plasma. <i>European Journal of Cancer</i> , 2020, 127, 130-138.	2.8	11
21	Liquid Biopsy: A New Tool in Oncology. <i>Acta Cytologica</i> , 2019, 63, 448-448.	1.3	6
22	Targeted Gene Next-Generation Sequencing Panel in Patients with Advanced Lung Adenocarcinoma: Paving the Way for Clinical Implementation. <i>Cancers</i> , 2019, 11, 1229.	3.7	23
23	Circulating Tumor DNA: A Step into the Future of Cancer Management. <i>Acta Cytologica</i> , 2019, 63, 456-465.	1.3	13
24	Liquid Biopsy beyond Circulating Tumor Cells and Cell-Free DNA. <i>Acta Cytologica</i> , 2019, 63, 479-488.	1.3	42
25	Gastric microbial community profiling reveals a dysbiotic cancer-associated microbiota. <i>Gut</i> , 2018, 67, 226-236.	12.1	496
26	Multicenter Evaluation of the Idylla NRAS-BRAF Mutation Test in Metastatic Colorectal Cancer. <i>Journal of Molecular Diagnostics</i> , 2018, 20, 664-676.	2.8	19
27	Simultaneous detection of lung fusions using a multiplex RT-PCR next generation sequencing-based approach: a multi-institutional research study. <i>BMC Cancer</i> , 2018, 18, 828.	2.6	19
28	Molecular characterization of CD44 <sup>+</sup> /CD24 <sup>low</sup> /CK <sup>+</sup> /CD45 <sup>low</sup> cells in benign and malignant breast lesions. <i>Virchows Archiv Fur Pathologische Anatomie Und Physiologie Und Fur Klinische Medizin</i> , 2017, 470, 311-322.	2.8	12
29	Integration of next-generation sequencing in clinical diagnostic molecular pathology laboratories for analysis of solid tumours; an expert opinion on behalf of IQN Path ASBL. <i>Virchows Archiv Fur Pathologische Anatomie Und Physiologie Und Fur Klinische Medizin</i> , 2017, 470, 5-20.	2.8	82
30	Prevalence of BRCA1/BRCA2 mutations in a Brazilian population sample at-risk for hereditary breast cancer and characterization of its genetic ancestry. <i>Oncotarget</i> , 2016, 7, 80465-80481.	1.8	62
31	New massive parallel sequencing approach improves the genetic characterization of congenital myopathies. <i>Journal of Human Genetics</i> , 2016, 61, 497-505.	2.3	15
32	Genetic Heterogeneity in Colorectal Cancer and its Clinical Implications. <i>Acta Medica Portuguesa</i> , 2015, 28, 370-375.	0.4	10
33	RAF-1 promotes survival of thyroid cancer cells harboring RET/PTC1 rearrangement independently of ERK activation. <i>Molecular and Cellular Endocrinology</i> , 2015, 415, 64-75.	3.2	5
34	Comprehensive massive parallel DNA sequencing strategy for the genetic diagnosis of the neuro-cardio-facio-cutaneous syndromes. <i>European Journal of Human Genetics</i> , 2015, 23, 347-353.	2.8	14
35	Heterozygous germline mutations in A2ML1 are associated with a disorder clinically related to Noonan syndrome. <i>European Journal of Human Genetics</i> , 2015, 23, 317-324.	2.8	61
36	Molecular alterations in endometrial archived liquid-based cytology. <i>Diagnostic Cytopathology</i> , 2013, 41, 492-496.	1.0	8

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37	Nonoptical Massive Parallel DNA Sequencing of <i>BRCA1</i> and <i>BRCA2</i> Genes in a Diagnostic Setting. <i>Human Mutation</i> , 2013, 34, 629-635.	2.5	37
38	Apocrine carcinoma of the breast: a comprehensive review. <i>Histology and Histopathology</i> , 2013, 28, 1393-409.	0.7	67
39	Benign and malignant apocrine lesions of the breast. <i>Expert Review of Anticancer Therapy</i> , 2012, 12, 215-221.	2.4	14
40	Vitamin D and the mammary gland: a review on its role in normal development and breast cancer. <i>Breast Cancer Research</i> , 2012, 14, 211.	5.0	55
41	1 $\alpha$ ,25-dihydroxyvitamin D <sub>3</sub> induces de novo E-cadherin expression in triple-negative breast cancer cells by CDH1-promoter demethylation. <i>Anticancer Research</i> , 2012, 32, 249-57.	1.1	63
42	PIKING the right isoform: the emergent role of the p110 $\beta$ subunit in breast cancer. <i>Virchows Archiv Fur Pathologische Anatomie Und Physiologie Und Fur Klinische Medizin</i> , 2010, 456, 235-243.	2.8	37
43	Alterations in Vitamin D signalling and metabolic pathways in breast cancer progression: a study of VDR, CYP27B1 and CYP24A1 expression in benign and malignant breast lesions Vitamin D pathways unbalanced in breast lesions. <i>BMC Cancer</i> , 2010, 10, 483.	2.6	164
44	P-cadherin, vimentin and CK14 for identification of basal-like phenotype in breast carcinomas: an immunohistochemical study. <i>Histology and Histopathology</i> , 2010, 25, 963-74.	0.7	46
45	Anti-proliferative action of vitamin D in MCF7 is still active after siRNA-VDR knock-down. <i>BMC Genomics</i> , 2009, 10, 499.	2.8	41
46	Array Comparative Genomic Hybridization Copy Number Profiling: A New Tool for Translational Research in Solid Malignancies. <i>Seminars in Radiation Oncology</i> , 2008, 18, 98-104.	2.2	45
47	Very small mobile repeated elements in cyanobacterial genomes. <i>Genome Research</i> , 2008, 18, 1484-1499.	5.5	27
48	High-resolution aCGH and expression profiling identifies a novel genomic subtype of ER negative breast cancer. <i>Genome Biology</i> , 2007, 8, R215.	9.6	275
49	Expression Microarray Analysis and Oligo Array Comparative Genomic Hybridization of Acquired Gemcitabine Resistance in Mouse Colon Reveals Selection for Chromosomal Aberrations. <i>Cancer Research</i> , 2005, 65, 10208-10213.	0.9	26
50	Sequence based data supports a single Nostoc strain in individual coralloid roots of cycads. <i>FEMS Microbiology Ecology</i> , 2004, 49, 481-487.	2.7	36
51	The Cyanobacterial tRNA <sup>Leu</sup> (UAA) Intron: Evolutionary Patterns in a Genetic Marker. <i>Molecular Biology and Evolution</i> , 2002, 19, 850-857.	8.9	34
52	Genetic Diversity of Nostoc Symbionts Endophytically Associated with Two Bryophyte Species. <i>Applied and Environmental Microbiology</i> , 2001, 67, 4393-4396.	3.1	75
53	Diversity of Cyanobacterial Hydrogenases, a Molecular Approach. <i>Current Microbiology</i> , 2000, 40, 356-361.	2.2	76
54	Cyanobiont diversity within coralloid roots of selected cycad species. <i>FEMS Microbiology Ecology</i> , 1999, 28, 85-91.	2.7	80