

# Sergio Alonso

## List of Publications by Year in descending order

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Version: 2024-02-01

44  
papers

1,227  
citations

361413

20  
h-index

377865

34  
g-index

45  
all docs

45  
docs citations

45  
times ranked

2132  
citing authors

#	ARTICLE	IF	CITATIONS
1	Global DNA demethylation in gastrointestinal cancer is age dependent and precedes genomic damage. <i>Cancer Cell</i> , 2006, 9, 199-207.	16.8	245
2	Genetic and Functional Analysis of the Styrene Catabolic Cluster of <i>Pseudomonas</i> sp. Strain Y2. <i>Journal of Bacteriology</i> , 1998, 180, 1063-1071.	2.2	138
3	Lung tumorspheres reveal cancer stem cell-like properties and a score with prognostic impact in resected non-small-cell lung cancer. <i>Cell Death and Disease</i> , 2019, 10, 660.	6.3	68
4	DNA demethylation in normal colon tissue predicts predisposition to multiple cancers. <i>Oncogene</i> , 2012, 31, 5029-5037.	5.9	52
5	Liver CPT1A gene therapy reduces diet-induced hepatic steatosis in mice and highlights potential lipid biomarkers for human NAFLD. <i>FASEB Journal</i> , 2020, 34, 11816-11837.	0.5	44
6	Novel miRNA-mRNA interactions conserved in essential cancer pathways. <i>Scientific Reports</i> , 2017, 7, 46101.	3.3	38
7	Characterization of a second functional gene cluster for the catabolism of phenylacetic acid in <i>Pseudomonas</i> sp. strain Y2. <i>Gene</i> , 2004, 341, 167-179.	2.2	37
8	DNA methylation and chromatin modifiers in colorectal cancer. <i>Molecular Aspects of Medicine</i> , 2019, 69, 73-92.	6.4	34
9	A novel long non-coding RNA from NBL2 pericentromeric macrosatellite forms a perinucleolar aggregate structure in colon cancer. <i>Nucleic Acids Research</i> , 2018, 46, 5504-5524.	14.5	30
10	Coregulation by Phenylacetyl-Coenzyme A-Responsive PaaX Integrates Control of the Upper and Lower Pathways for Catabolism of Styrene by <i>Pseudomonas</i> sp. Strain Y2. <i>Journal of Bacteriology</i> , 2006, 188, 4812-4821.	2.2	29
11	Methylation of <i>MGMT</i> and <i>ADAMTS14</i> in normal colon mucosa: biomarkers of a field defect for cancerization preferentially targeting elder African-Americans. <i>Oncotarget</i> , 2015, 6, 3420-3431.	1.8	29
12	Genetic characterization of the styrene lower catabolic pathway of <i>Pseudomonas</i> sp. strain Y2. <i>Gene</i> , 2003, 319, 71-83.	2.2	28
13	MicroRNA profiling associated with non-small cell lung cancer: next generation sequencing detection, experimental validation, and prognostic value. <i>Oncotarget</i> , 2017, 8, 56143-56157.	1.8	28
14	A Colorectal Cancer Susceptibility New Variant at 4q26 in the Spanish Population Identified by Genome-Wide Association Analysis. <i>PLoS ONE</i> , 2014, 9, e101178.	2.5	26
15	Somatic DNA Hypomethylation in <i>H. pylori</i> -Associated High-Risk Gastritis and Gastric Cancer: Enhanced Somatic Hypomethylation Associates with Advanced Stage Cancer. <i>Clinical and Translational Gastroenterology</i> , 2015, 6, e85.	2.5	26
16	Construction of a bacterial biosensor for styrene. <i>Journal of Biotechnology</i> , 2003, 102, 301-306.	3.8	25
17	DNA methylation alterations of <i>AXIN2</i> in serrated adenomas and colon carcinomas with microsatellite instability. <i>BMC Cancer</i> , 2014, 14, 466.	2.6	25
18	Epigenetic inactivation of the extracellular matrix metalloproteinase <i>ADAMTS19</i> gene and the metastatic spread in colorectal cancer. <i>Clinical Epigenetics</i> , 2015, 7, 124.	4.1	24

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19	Clinical characteristics of synchronous colorectal cancers in Japan. <i>World Journal of Surgical Oncology</i> , 2016, 14, 272.	1.9	24
20	Requirement of RIZ1 for Cancer Prevention by Methyl-Balanced Diet. <i>PLoS ONE</i> , 2008, 3, e3390.	2.5	24
21	Array-based identification of common DNA methylation alterations in ulcerative colitis. <i>International Journal of Oncology</i> , 2012, 40, 983-994.	3.3	21
22	DNA fingerprinting techniques for the analysis of genetic and epigenetic alterations in colorectal cancer. <i>Mutation Research - Fundamental and Molecular Mechanisms of Mutagenesis</i> , 2010, 693, 61-76.	1.0	19
23	Helicase Lymphoid-Specific Enzyme Contributes to the Maintenance of Methylation of SST1 Pericentromeric Repeats That Are Frequently Demethylated in Colon Cancer and Associate with Genomic Damage. <i>Epigenomes</i> , 2017, 1, 2.	1.8	19
24	New insights into the genome of <i>Rhodococcus ruber</i> strain Chol-4. <i>BMC Genomics</i> , 2019, 20, 332.	2.8	19
25	Tumor size is an independent risk predictor for metachronous colorectal cancer. <i>Oncotarget</i> , 2016, 7, 17896-17904.	1.8	18
26	Down-regulation of <i>Epidermal Growth Factor Receptor</i> by Selective Expansion of a 5'â€²-End Regulatory Dinucleotide Repeat in Colon Cancer with Microsatellite Instability. <i>Clinical Cancer Research</i> , 2009, 15, 4531-4537.	7.0	16
27	Interplay between post-translational cyclooxygenase-2 modifications and the metabolic and proteomic profile in a colorectal cancer cohort. <i>World Journal of Gastroenterology</i> , 2019, 25, 433-446.	3.3	16
28	Microsatellite instability and ploidy status define three categories with distinctive prognostic impact in endometrioid endometrial cancer. <i>Oncotarget</i> , 2014, 5, 6206-6217.	1.8	16
29	Design of catabolic cassettes for styrene biodegradation. <i>Antonie Van Leeuwenhoek</i> , 2003, 84, 17-24.	1.7	15
30	Quantification of Unmethylated Alu (QUAlu): a tool to assess global hypomethylation in routine clinical samples. <i>Oncotarget</i> , 2016, 7, 10536-10546.	1.8	14
31	Curative resection for leiomyosarcoma of the descending mesocolon with metachronous liver metastasis: A case report and literature review. <i>Molecular and Clinical Oncology</i> , 2016, 5, 53-56.	1.0	12
32	HOXD8 hypermethylation as a fully sensitive and specific biomarker for biliary tract cancer detectable in tissue and bile samples. <i>British Journal of Cancer</i> , 2022, 126, 1783-1794.	6.4	12
33	Frequent somatic demethylation of RAPGEF1/C3G intronic sequences in gastrointestinal and gynecological cancer. <i>International Journal of Oncology</i> , 2011, 38, 1575-7.	3.3	11
34	Malignant, but not benign, intraductal papillary mucinous neoplasm preferentially associates with prior extrapancreatic malignancies. <i>Oncology Reports</i> , 2016, 35, 3236-3240.	2.6	11
35	Draft Genome Sequence of the Steroid Degradar <i>Rhodococcus ruber</i> Strain Chol-4. <i>Genome Announcements</i> , 2013, 1, .	0.8	8
36	Epigenetic and transcriptional dysregulation of VWA2 associated with a MYC-driven oncogenic program in colorectal cancer. <i>Scientific Reports</i> , 2018, 8, 11097.	3.3	7

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37	Production of a recombinant form of the propeptide NH2-terminal of the precursor of pulmonary surfactant protein B. <i>Enzyme and Microbial Technology</i> , 2006, 40, 85-92.	3.2	5
38	Somatic Hypomethylation of Pericentromeric SST1 Repeats and Tetraploidization in Human Colorectal Cancer Cells. <i>Cancers</i> , 2021, 13, 5353.	3.7	5
39	Methylation-Sensitive Amplification Length Polymorphism (MS-AFLP) Microarrays for Epigenetic Analysis of Human Genomes. <i>Methods in Molecular Biology</i> , 2018, 1766, 137-156.	0.9	3
40	Memory B-cell like chronic lymphocytic leukaemia is associated with specific methylation profile of <i>WNT5A</i> promoter and undetectable expression of <i>WNT5A</i> gene. <i>Epigenetics</i> , 2022, 17, 1628-1635.	2.7	3
41	Analysis of Somatic DNA Methylation Alterations of Genes Encoding Cell Surface Metallopeptidases in Colorectal Cancer. <i>Methods in Molecular Biology</i> , 2018, 1731, 271-294.	0.9	2
42	Abstract 2792: Pericentromeric repeats undergo genome-wide DNA hypomethylation associated with older colorectal cancer patients without mutant p53 and are target for a reverse epigenetic switching. , 2011, , .		0
43	Abstract 1381: Somatic DNA demethylation and epigenetic reprogramming of SST1 pericentromeric repeats associate with genomic damage in colorectal cancer. , 2014, , .		0
44	Improving metachronous cancer risk assessment using clinicopathological information in colorectal cancer patients.. <i>Journal of Clinical Oncology</i> , 2016, 34, e15092-e15092.	1.6	0