# Nicola Ancona

List of Publications by Year
in descending order

| 59 papers | 1,547 citations | 304368 <br> 22 h-index | 315357 <br> 38 g-index |
|---|---|---|---|
| 60 all docs | 60 docs citations | 60 times ranked | 2461 citing authors |

| # | Article | IF | Citations |
|---|---------|----|-----------|
| 1 | DeLA-Drug: A Deep Learning Algorithm for Automated Design of Druglike Analogues. Journal of Chemical Information and Modeling, 2022, 62, 1411-1424. | 2.5 | 18 |
| 2 | Structure-Based Prediction of hERG-Related Cardiotoxicity: A Benchmark Study. Journal of Chemical Information and Modeling, 2021, 61, 4758-4770. | 2.5 | 33 |
| 3 | Cannabinoid Receptor Subtype 2 (CB2R) in a Multitarget Approach: Perspective of an Innovative Strategy in Cancer and Neurodegeneration. Journal of Medicinal Chemistry, 2020, 63, 14448-14469. | 2.9 | 26 |
| 4 | Effect of different light-emitting diode (LED) irradiation on the shelf life and phytonutrient content of broccoli (Brassica oleracea L. var. italica). Food Chemistry, 2019, 283, 206-214. | 4.2 | 51 |
| 5 | Combined microRNA and mRNA expression analysis in pediatric multiple sclerosis: an integrated approach to uncover novel pathogenic mechanisms of the disease. Human Molecular Genetics, 2018, 27, 66-79. | 1.4 | 65 |
| 6 | Addendum: Palmieri, O. et al. Functional Implications of MicroRNAs in Crohn's Disease Revealed by Integrating MicroRNA and Messenger RNA Expression Profiling. Int. J. Mol. Sci. 2017, 18, 1580. International Journal of Molecular Sciences, 2017, 18, 2113. | 1.8 | 0 |
| 7 | Functional Implications of MicroRNAs in Crohn's Disease Revealed by Integrating MicroRNA and Messenger RNA Expression Profiling. International Journal of Molecular Sciences, 2017, 18, 1580. | 1.8 | 17 |
| 8 | Meta-Analysis of Differential Connectivity in Gene Co-Expression Networks in Multiple Sclerosis. International Journal of Molecular Sciences, 2016, 17, 936. | 1.8 | 4 |
| 9 | The Immune Landscapes of Polypoid and Nonpolypoid Precancerous Colorectal Lesions. PLoS ONE, 2016, 11, e0159373. | 1.1 | 14 |
| 10 | Genome-wide Pathway Analysis Using Gene Expression Data of Colonic Mucosa in Patients with Inflammatory Bowel Disease. Inflammatory Bowel Diseases, 2015, 21, 1. | 0.9 | 22 |
| 11 | Systematic analysis of circadian genes using genome-wide cDNA microarrays in the inflammatory bowel disease transcriptome. Chronobiology International, 2015, 32, 903-916. | 0.9 | 50 |
| 12 | Effect of Lactobacillus brevis-based bioingredient and bran on microbiological, physico-chemical and textural quality of yeast-leavened bread during storage. Innovative Food Science and Emerging Technologies, 2014, 25, 2-8. | 2.7 | 19 |
| 13 | Karyopherins: potential biological elements involved in the delayed graft function in renal transplant recipients. BMC Medical Genomics, 2014, 7, 14. | 0.7 | 8 |
| 14 | Loss of Connectivity in Cancer Co-Expression Networks. PLoS ONE, 2014, 9, e87075. | 1.1 | 68 |
| 15 | A comparative study of covariance selection models for the inference of gene regulatory networks. Journal of Biomedical Informatics, 2013, 46, 894-904. | 2.5 | 12 |
| 16 | Integrating genetic and gene expression evidence into genome-wide association analysis of gene sets. Genome Research, 2012, 22, 386-397. | 2.4 | 90 |
| 17 | Activated innate immunity and the involvement of CX3CR1–fractalkine in promoting hematuria in patients with IgA nephropathy. Kidney International, 2012, 82, 548-560. | 2.6 | 48 |
| 18 | The expression of leucine-rich repeat gene family members in colorectal cancer. Experimental Biology and Medicine, 2012, 237, 1123-1128. | 1.1 | 18 |

| # | ARTICLE | IF | CITATIONS |
|---|---------|-----|-----------|
| 19 | Molecular pathways undergoing dramatic transcriptomic changes during tumor development in the human colon. BMC Cancer, 2012, 12, 608. | 1.1 | 16 |
| 20 | Dissection of the Crohn's Disease Transcriptome of 71 Loci Using Genome-Wide Microarrays. Gastroenterology, 2011, 140, S-272-S-273. | 0.6 | 0 |
| 21 | Discovering genetic variants in Crohn's disease by exploring genomic regions enriched of weak association signals. Digestive and Liver Disease, 2011, 43, 623-631. | 0.4 | 5 |
| 22 | RS-SNP: a random-set method for genome-wide association studies. BMC Genomics, 2011, 12, 166. | 1.2 | 1 |
| 23 | Dissecting the mucosal expression of human leucine-rich repeat family genes in inflammatory bowel disease patients. Inflammatory Bowel Diseases, 2011, 17, 1834-1835. | 0.9 | 1 |
| 24 | On classification of signals represented with data-dependent overcomplete dictionaries. International Journal of General Systems, 2011, 40, 854-882. | 1.2 | 0 |
| 25 | On the reproducibility of results of pathway analysis in genome-wide expression studies of colorectal cancers. Journal of Biomedical Informatics, 2010, 43, 397-406. | 2.5 | 12 |
| 26 | The Anti-Fibrotic Effect of Mycophenolic Acidâ€"Induced Neutral Endopeptidase. Journal of the American Society of Nephrology: JASN, 2010, 21, 2157-2168. | 3.0 | 19 |
| 27 | Altered modulation of WNTâ€"β-catenin and PI3K/Akt pathways in IgA nephropathy. Kidney International, 2010, 78, 396-407. | 2.6 | 78 |
| 28 | Comparative study of gene set enrichment methods. BMC Bioinformatics, 2009, 10, 275. | 1.2 | 102 |
| 29 | Statistical assessment of discriminative features for protein-coding and non coding cross-species conserved sequence elements. BMC Bioinformatics, 2009, 10, S2. | 1.2 | 2 |
| 30 | Association of genetic profiles to Crohnâ€™s disease by linear combinations of single nucleotide polymorphisms. Artificial Intelligence in Medicine, 2009, 46, 131-138. | 3.8 | 3 |
| 31 | Promoter methylation correlates with reduced NDRG2expression in advanced colon tumour. BMC Medical Genomics, 2009, 2, 11. | 0.7 | 32 |
| 32 | HT-RLS: High-Throughput Web Tool for Analysis of DNA Microarray Data Using RLS classifiers. , 2008, , . | | 0 |
| 33 | Biological and functional analysis of statistically significant pathways deregulated in colon cancer by using gene expression profiles. International Journal of Biological Sciences, 2008, 4, 368-378. | 2.6 | 5 |
| 34 | SVD Based Feature Selection and Sample Classification of Proteomic Data. Lecture Notes in Computer Science, 2008, , 556-563. | 1.0 | 2 |
| 35 | Statistical assessment of functional categories of genes deregulated in pathological conditions by using microarray data. Bioinformatics, 2007, 23, 2063-2072. | 1.8 | 22 |
| 36 | Regularized Least Squares Classifiers may Predict Crohn's Disease from Profiles of Single Nucleotide Polymorphisms. Annals of Human Genetics, 2007, 71, 537-549. | 0.3 | 6 |

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|---|---------|-----|-----------|
| 37 | Selection of relevant genes in cancer diagnosis based on their prediction accuracy. Artificial Intelligence in Medicine, 2007, 40, 29-44. | 3.8 | 32 |
| 38 | Estimating the statistical significance of classifiers by varying the number of genes. , 2006, , . | | 0 |
| 39 | Measuring randomness by leave-one-out prediction error. Analysis of EEG after painful stimulation. Physica A: Statistical Mechanics and Its Applications, 2006, 365, 491-498. | 1.2 | 7 |
| 40 | Data representations and generalization error in kernel based learning machines. Pattern Recognition, 2006, 39, 1588-1603. | 5.1 | 24 |
| 41 | On the statistical assessment of classifiers using DNA microarray data. BMC Bioinformatics, 2006, 7, 387. | 1.2 | 56 |
| 42 | An Invariance Property of Predictors in Kernel-Induced Hypothesis Spaces. Neural Computation, 2006, 18, 749-759. | 1.3 | 22 |
| 43 | An invariance property of predictors in kernel-induced hypothesis spaces. Neural Computation, 2006, 18, 749-59. | 1.3 | 9 |
| 44 | A powerful method for feature extraction and compression of electronic nose responses. Sensors and Actuators B: Chemical, 2005, 105, 378-392. | 4.0 | 21 |
| 45 | Regularized Least Squares Cancer Classifiers from DNA microarray data. BMC Bioinformatics, 2005, 6, S2. | 1.2 | 29 |
| 46 | Leave-one-out prediction error of systolic arterial pressure time series under paced breathing. Physiological Measurement, 2005, 26, 363-372. | 1.2 | 9 |
| 47 | Visual Detection of Hexagonal Headed Bolts Using Method of Frames and Matching Pursuit. Lecture Notes in Computer Science, 2005, , 277-284. | 1.0 | 1 |
| 48 | Filter-based feature selection for rail defect detection. Machine Vision and Applications, 2004, 15, 179-185. | 1.7 | 102 |
| 49 | Radial basis function approach to nonlinear Granger causality of time series. Physical Review E, 2004, 70, 056221. | 0.8 | 167 |
| 50 | Ball detection in static images with Support Vector Machines for classification. Image and Vision Computing, 2003, 21, 675-692. | 2.7 | 25 |
| 51 | Support vector machines for olfactory signals recognition. Sensors and Actuators B: Chemical, 2003, 88, 30-39. | 4.0 | 115 |
| 52 | Detection of multiple sclerosis lesions in MRIs with an SVM classifier. , 2003, , . | | 0 |
| 53 | Gabor filter subset selection using a genetic algorithm. , 2002, 4902, 707. | | 0 |
| 54 | <title>Door detection in images based on learning by components</title>. , 2001, 4572, 304. | | 1 |

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|---|---------|----|-----------|
| 55 | &lt;title&gt;Real-time, miniaturized optical sensor for motion estimation and time-to-crash detection&lt;/title&gt;. , 1996, 2950, 75. | | 9 |
| 56 | Optical flow from 1-D correlation: Application to a simple time-to-crash detector. International Journal of Computer Vision, 1995, 14, 131-146. | 10.9 | 40 |
| 57 | 3D object recognition based on a viewpoint-analysis. Image and Vision Computing, 1992, 10, 549-556. | 2.7 | 2 |
| 58 | A model-based 3-D vision system for bin-picking. IEEE Transactions on Circuits and Systems, 1988, 35, 545-553. | 0.9 | 7 |
| 59 | Goal distance estimation in soccer game. , 0, , . | | 0 |