# Emanuel Petricoin

List of Publications by Year
in descending order

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|---|---|---|
| 61 papers | 3,886 citations | 201385<br>27 h-index | 143772<br>57 g-index |
| 67 all docs | 67 docs citations | 67 times ranked | 5809 citing authors |

| # | Article | IF | Citations |
|---|---------|----|-----------| 
| 1 | Activation of the PTEN/mTOR/STAT3 pathway in breast cancer stem-like cells is required for viability and maintenance. Proceedings of the National Academy of Sciences of the United States of America, 2007, 104, 16158-16163. | 3.3 | 625 |
| 2 | Proteomic profiling of the NCI-60 cancer cell lines using new high-density reverse-phase lysate microarrays. Proceedings of the National Academy of Sciences of the United States of America, 2003, 100, 14229-14234. | 3.3 | 463 |
| 3 | Clinical proteomics: Written in blood. Nature, 2003, 425, 905-905. | 13.7 | 459 |
| 4 | Molecular profiling of human cancer. Nature Reviews Genetics, 2000, 1, 48-56. | 7.7 | 404 |
| 5 | Transcript and protein expression profiles of the NCI-60 cancer cell panel: an integromic microarray study. Molecular Cancer Therapeutics, 2007, 6, 820-832. | 1.9 | 289 |
| 6 | Pegylated, Steptavidin-Conjugated Quantum Dots Are Effective Detection Elements for Reverse-Phase Protein Microarrays. Bioconjugate Chemistry, 2005, 16, 559-566. | 1.8 | 124 |
| 7 | Clinical Proteomics:Â Revolutionizing Disease Detection and Patient Tailoring Therapy. Journal of Proteome Research, 2004, 3, 209-217. | 1.8 | 108 |
| 8 | Proteomic Analysis of Apoptotic Pathways Reveals Prognostic Factors in Follicular Lymphoma. Clinical Cancer Research, 2005, 11, 5847-5855. | 3.2 | 105 |
| 9 | Genomic and proteomic technologies for individualisation and improvement of cancer treatment. European Journal of Cancer, 2004, 40, 2623-2632. | 1.3 | 86 |
| 10 | Similarities of prosurvival signals in Bcl-2-positive and Bcl-2-negative follicular lymphomas identified by reverse phase protein microarray. Laboratory Investigation, 2004, 84, 235-244. | 1.7 | 84 |
| 11 | The Vision for a New Diagnostic Paradigm. Clinical Chemistry, 2003, 49, 1276-1278. | 1.5 | 64 |
| 12 | DNA repair deficiency biomarkers and the 70-gene ultra-high risk signature as predictors of veliparib/carboplatin response in the I-SPY 2 breast cancer trial. Npj Breast Cancer, 2017, 3, 31. | 2.3 | 64 |
| 13 | The Use of Nanotrap Particles Technology in Capturing HIV-1 Virions and Viral Proteins from Infected Cells. PLoS ONE, 2014, 9, e96778. | 1.1 | 55 |
| 14 | Proteins that mediate protein aggregation and cytotoxicity distinguish Alzheimer's hippocampus from normal controls. Aging Cell, 2016, 15, 924-939. | 3.0 | 54 |
| 15 | Multiplexed Cell Signaling Analysis of Metastatic and Nonmetastatic Colorectal Cancer Reveals COX2-EGFR Signaling Activation as a Potential Prognostic Pathway Biomarker. Clinical Colorectal Cancer, 2009, 8, 110-117. | 1.0 | 49 |
| 16 | Dual Action of miR-125b As a Tumor Suppressor and OncomiR-22 Promotes Prostate Cancer Tumorigenesis. PLoS ONE, 2015, 10, e0142373. | 1.1 | 48 |
| 17 | Functional Protein Network Activation Mapping Reveals New Potential Molecular Drug Targets for Poor Prognosis Pediatric BCP-ALL. PLoS ONE, 2010, 5, e13552. | 1.1 | 42 |
| 18 | The Sustained Induction of c-MYC Drives Nab-Paclitaxel Resistance in Primary Pancreatic Ductal Carcinoma Cells. Molecular Cancer Research, 2019, 17, 1815-1827. | 1.5 | 40 |

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|---|---------|-----|-----------|
| 19 | Tumor-Specific Major Histocompatibility-II Expression Predicts Benefit to Anti–PD-1/L1 Therapy in Patients With HER2-Negative Primary Breast Cancer. Clinical Cancer Research, 2021, 27, 5299-5306. | 3.2 | 39 |
| 20 | Kinase substrate protein microarray analysis of human colon cancer and hepatic metastasis. Clinica Chimica Acta, 2005, 357, 180-183. | 0.5 | 37 |
| 21 | Fractionation of Serum Components Using Nanoporous Substrates. Bioconjugate Chemistry, 2006, 17, 654-661. | 1.8 | 35 |
| 22 | Discovery and Therapeutic Exploitation of Mechanisms of Resistance to MET Inhibitors in Glioblastoma. Clinical Cancer Research, 2019, 25, 663-673. | 3.2 | 35 |
| 23 | The Role of IKKβ in Venezuelan Equine Encephalitis Virus Infection. PLoS ONE, 2014, 9, e86745. | 1.1 | 34 |
| 24 | Improved reproducibility of reverse-phase protein microarrays using array microenvironment normalization. Proteomics, 2009, 9, 5562-5566. | 1.3 | 31 |
| 25 | Fluoxetine induces cytotoxic endoplasmic reticulum stress and autophagy in triple negative breast cancer. World Journal of Clinical Oncology, 2015, 6, 299. | 0.9 | 31 |
| 26 | Hepatocyte Growth Factor Sensitizes Brain Tumors to c-MET Kinase Inhibition. Clinical Cancer Research, 2013, 19, 1433-1444. | 3.2 | 29 |
| 27 | Molecular Profiling of Pancreatic Cancer Patients–Response. Clinical Cancer Research, 2018, 24, 6612-6612. | 3.2 | 29 |
| 28 | A Pilot Characterization of Human Lung NSCLC by Protein Pathway Activation Mapping. Journal of Thoracic Oncology, 2012, 7, 1755-1766. | 0.5 | 28 |
| 29 | Novel neoadjuvant therapy paradigms for bladder cancer: Results from the National Cancer Center Institute Forum. Urologic Oncology: Seminars and Original Investigations, 2014, 32, 1108-1115. | 0.8 | 24 |
| 30 | Anthrax infection inhibits the AKT signaling involved in the E-cadherin-mediated adhesion of lung epithelial cells. FEMS Immunology and Medical Microbiology, 2009, 56, 129-142. | 2.7 | 23 |
| 31 | Inhibition of host extracellular signal-regulated kinase (ERK) activation decreases new world alphavirus multiplication in infected cells. Virology, 2014, 468-470, 490-503. | 1.1 | 22 |
| 32 | Functional characterization of epithelial ovarian cancer histotypes by drug target based protein signaling activation mapping: Implications for personalized cancer therapy. Proteomics, 2015, 15, 365-373. | 1.3 | 22 |
| 33 | Phosphoproteomic Biomarkers Predicting Histologic Nonalcoholic Steatohepatitis and Fibrosis. Journal of Proteome Research, 2010, 9, 3218-3224. | 1.8 | 21 |
| 34 | A pilot study exploring the molecular architecture of the tumor microenvironment in human prostate cancer using laser capture microdissection and reverse phase protein microarray. Molecular Oncology, 2016, 10, 1585-1594. | 2.1 | 21 |
| 35 | Protein pathway activation mapping of colorectal metastatic progression reveals metastasis-specific network alterations. Clinical and Experimental Metastasis, 2013, 30, 309-316. | 1.7 | 20 |
| 36 | Clusterin enhances AKT2-mediated motility of normal and cancer prostate cells through a PTEN and PHLPP1 circuit. Journal of Cellular Physiology, 2019, 234, 11188-11199. | 2.0 | 19 |

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|---|---------|----|-----------|
| 37 | Laser Capture Proteomics: spatial tissue molecular profiling from the bench to personalized medicine. Expert Review of Proteomics, 2021, 18, 845-861. | 1.3 | 19 |
| 38 | Quantifying the CDK inhibitor VMY-1-103â€™s activity and tissue levels in an in vivo tumor model by LC-MS/MS and by MRI. Cell Cycle, 2012, 11, 3801-3809. | 1.3 | 16 |
| 39 | Characterization of the effects of defined, multidimensional culture conditions on conditionally reprogrammed primary human prostate cells. Oncotarget, 2018, 9, 2193-2207. | 0.8 | 16 |
| 40 | Knowledge-Based Identification of Soluble Biomarkers: Hepatic Fibrosis in NAFLD as an Example. PLoS ONE, 2013, 8, e56009. | 1.1 | 15 |
| 41 | Integration of Network Biology and Imaging to Study Cancer Phenotypes and Responses. IEEE/ACM Transactions on Computational Biology and Bioinformatics, 2014, 11, 1009-1019. | 1.9 | 15 |
| 42 | Multi-omic molecular comparison of primary versus metastatic pancreatic tumours. British Journal of Cancer, 2019, 121, 264-270. | 2.9 | 15 |
| 43 | Monitoring proteins and protein networks using reverse phase protein arrays. Disease Markers, 2010, 28, 225-32. | 0.6 | 15 |
| 44 | Cofilin hyperactivation in HIV infection and targeting the cofilin pathway using an anti-$\alpha_4\beta_7$ integrin antibody. Science Advances, 2019, 5, eaat7911. | 4.7 | 14 |
| 45 | Nanotechnology in clinical proteomics. Nanomedicine, 2007, 2, 1-5. | 1.7 | 13 |
| 46 | RPPA: Origins, Transition to a Validated Clinical Research Tool, and Next Generations of the Technology. Advances in Experimental Medicine and Biology, 2019, 1188, 1-19. | 0.8 | 13 |
| 47 | Role of Brutonâ€™s tyrosine kinase inhibitors in HIV-1-infected cells. Journal of NeuroVirology, 2015, 21, 257-275. | 1.0 | 12 |
| 48 | Proteomic strategies for the discovery of novel diagnostic and therapeutic targets for infectious diseases. Pathogens and Disease, 2014, 71, 177-189. | 0.8 | 11 |
| 49 | Protein Pathway Activation Associated with Sustained Virologic Response in Patients with Chronic Hepatitis C Treated with Pegylated Interferon (PEG-IFN) and Ribavirin (RBV). Journal of Proteome Research, 2011, 10, 774-779. | 1.8 | 10 |
| 50 | Endogenous Gastrin Collaborates With Mutant KRAS in Pancreatic Carcinogenesis. Pancreas, 2019, 48, 894-903. | 0.5 | 8 |
| 51 | High Resolution Mapping of the Cardiac Transmural Proteome Using Reverse Phase Protein Microarrays. Molecular and Cellular Proteomics, 2011, 10, M111.008037. | 2.5 | 7 |
| 52 | Multiplexed Protein Signal Pathway Mapping Identifies Patients With Rectal Cancer That Responds to Neoadjuvant Treatment. Clinical Colorectal Cancer, 2012, 11, 268-274. | 1.0 | 6 |
| 53 | Reverse phase protein array (RPPA) combined with computational analysis to unravel relevant prognostic factors in non- small cell lung cancer (NSCLC): a pilot study. Oncotarget, 2017, 8, 83343-83353. | 0.8 | 6 |
| 54 | Microspheres Containing Cibacron Blue F3G-A and Incorporated Iron Oxide Nanoparticles as Biomarker Harvesting Platforms. Polymers, 2011, 3, 1181-1198. | 2.0 | 3 |

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| 55 | Induction ofÂnerve growth factor byÂphorbol 12-myristate 13-acetate is dependent upon the mitogen activated protein kinase pathway. Heliyon, 2018, 4, e00617. | 1.4 | 3 |
| 56 | Clinical Proteomics and Molecular Pathology. , 2009, , 165-183. | | 2 |
| 57 | The impact of radiation dread on mass casualty medical management during a radiological or nuclear event. American Journal of Disaster Medicine, 2021, 16, 147-162. | 0.1 | 2 |
| 58 | Proteomic Analysis of Surrogate Tissues. , 2005, , 93-107. | | 1 |
| 59 | Augmented Reality Imaging System: 3D Viewing of a Breast Cancer. Journal of Nature and Science, 2016, 2, . | 1.1 | 1 |
| 60 | Clinical Proteomics and Molecular Pathology. , 2018, , 183-203. | | 0 |
| 61 | Proteomics of breast cancer. , 2006, , 101-113. | | 0 |