

# Ivano Eberini

## List of Publications by Year in descending order

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Version: 2024-02-01

100  
papers

2,722  
citations

159585

30  
h-index

214800

47  
g-index

105  
all docs

105  
docs citations

105  
times ranked

3829  
citing authors

| #  | ARTICLE   | IF   | CITATIONS |
|----|---|------|-----------|
| 1  | The oxysterolâ€“CXCR2 axis plays a key role in the recruitment of tumor-promoting neutrophils. <i>Journal of Experimental Medicine</i> , 2013, 210, 1711-1728.  | 8.5  | 167       |
| 2  | The Molecular Basis of Lecithin:Cholesterol Acyltransferase Deficiency Syndromes. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2005, 25, 1972-1978.  | 2.4  | 158       |
| 3  | Proteins of rat serum, urine, and cerebrospinal fluid: VI. Further protein identifications and interstrain comparison. <i>Electrophoresis</i> , 2001, 22, 3043-3052.  | 2.4  | 96        |
| 4  | Acute-Phase Proteins Before Cerebral Ischemia in Stroke-Prone Rats. <i>Stroke</i> , 2001, 32, 753-760.  | 2.0  | 93        |
| 5  | Characterization of the Protein Unfolding Processes Induced by Urea and Temperature. <i>Biophysical Journal</i> , 2008, 94, 2241-2251.  | 0.5  | 85        |
| 6  | Potent inhibitors of human LAT1 (SLC7A5) transporter based on dithiazole and dithiazine compounds for development of anticancer drugs. <i>Biochemical Pharmacology</i> , 2017, 143, 39-52.  | 4.4  | 72        |
| 7  | Proteins of rat serum: I. Establishing a reference two-dimensional electrophoresis map by immunodetection and microbore high performance liquid chromatography-electrospray mass spectrometry. <i>Electrophoresis</i> , 1998, 19, 1484-1492.              | 2.4  | 67        |
| 8  | Novel insights into the transport mechanism of the human amino acid transporter LAT1 (SLC7A5). Probing critical residues for substrate translocation. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2017, 1861, 727-736.                      | 2.4  | 64        |
| 9  | Biosynthesis of Flavin Cofactors in Man: Implications in Health and Disease. <i>Current Pharmaceutical Design</i> , 2013, 19, 2649-2675.  | 1.9  | 61        |
| 10 | Rabphilin 3A retains NMDA receptors at synaptic sites through interaction with GluN2A/PSD-95 complex. <i>Nature Communications</i> , 2015, 6, 10181.  | 12.8 | 59        |
| 11 | Hypocholesterolaemic effects of soya proteins: results of recent studies are predictable from the Anderson meta-analysis data. <i>British Journal of Nutrition</i> , 2007, 97, 816-822.   | 2.3  | 58        |
| 12 | Coordinated and reversible reduction of enzymes involved in terminal oxidative metabolism in skeletal muscle mitochondria from a riboflavin-responsive, multiple acyl-CoA dehydrogenase deficiency patient. <i>Electrophoresis</i> , 2006, 27, 1182-1198. | 2.4  | 55        |
| 13 | Reference maps of mouse serum acute-phase proteins: Changes with LPS-induced inflammation and apolipoproteinâ€“...A-I and A-II transgenes. <i>Proteomics</i> , 2005, 5, 4245-4253.  | 2.2  | 53        |
| 14 | In silico identification of new ligands for GPR17: a promising therapeutic target for neurodegenerative diseases. <i>Journal of Computer-Aided Molecular Design</i> , 2011, 25, 743-752.  | 2.9  | 53        |
| 15 | With or without you â€” Proteomics with or without major plasma/serum proteins. <i>Journal of Proteomics</i> , 2016, 140, 62-80.  | 2.4  | 53        |
| 16 | Role of the <sc>GM</sc>1 ganglioside oligosaccharide portion in the TrkAâ€“dependent neurite sprouting in neuroblastoma cells. <i>Journal of Neurochemistry</i> , 2017, 143, 645-659.   | 3.9  | 53        |
| 17 | Reorganization in apo- and holo-Î²-lactoglobulin upon protonation of Glu89: Molecular dynamics and pKa calculations. <i>Proteins: Structure, Function and Bioinformatics</i> , 2004, 54, 744-758.   | 2.6  | 50        |
| 18 | Serum protein pattern during cow pregnancy: Acute-phase proteins increase in the peripartum period. <i>Electrophoresis</i> , 2006, 27, 1617-1625.   | 2.4  | 50        |

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|----|---|-----|-----------|
| 19 | Monitoring the effects of drug treatment in rat models of disease by serum protein analysis. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2002, 771, 107-130.                        | 2.3 | 48        |
| 20 | Proteins of rat serum: III. Gender-related differences in protein concentration under baseline conditions and upon experimental inflammation as evaluated by two-dimensional electrophoresis. <i>Electrophoresis</i> , 1999, 20, 836-845. | 2.4 | 46        |
| 21 | A Computational Approach to Evaluate the Androgenic Affinity of Iprodione, Procymidone, Vinclozolin and Their Metabolites. <i>PLoS ONE</i> , 2014, 9, e104822.  | 2.5 | 46        |
| 22 | Oxysterols act as promiscuous ligands of class-A GPCRs: In silico molecular modeling and in vitro validation. <i>Cellular Signalling</i> , 2014, 26, 2614-2620.   | 3.6 | 46        |
| 23 | Proteins of rat serum: II. Influence of some biological parameters of the two-dimensional electrophoresis pattern. <i>Electrophoresis</i> , 1998, 19, 1493-1500.  | 2.4 | 43        |
| 24 | Redox regulation of cyclophilin A by glutathionylation. <i>Proteomics</i> , 2006, 6, 817-825.   | 2.2 | 43        |
| 25 | Analysis of <i>Lupinus albus</i> Storage Proteins by Two-Dimensional Electrophoresis and Mass Spectrometry. <i>Journal of Agricultural and Food Chemistry</i> , 2005, 53, 4599-4606.  | 5.2 | 40        |
| 26 | Predicting estrogen receptor binding of chemicals using a suite of in silico methods – Complementary approaches of (Q)SAR, molecular docking and molecular dynamics. <i>Toxicology and Applied Pharmacology</i> , 2019, 378, 114630.      | 2.8 | 37        |
| 27 | Inhibition of SIRT1 deacetylase and p53 activation uncouples the anti-inflammatory and chemopreventive actions of NSAIDs. <i>British Journal of Cancer</i> , 2019, 120, 537-546.  | 6.4 | 37        |
| 28 | Computational and experimental approaches assess the interactions between bovine $\beta$ -lactoglobulin and synthetic compounds of pharmacological interest. <i>Journal of Molecular Graphics and Modelling</i> , 2008, 26, 1004-1013.    | 2.4 | 35        |
| 29 | C2238 Atrial Natriuretic Peptide Molecular Variant Is Associated With Endothelial Damage and Dysfunction Through Natriuretic Peptide Receptor C Signaling. <i>Circulation Research</i> , 2013, 112, 1355-1364.                            | 4.5 | 34        |
| 30 | Proteins of rat serum V: Adjuvant arthritis and its modulation by nonsteroidal anti-inflammatory drugs. <i>Electrophoresis</i> , 2000, 21, 2170-2180.   | 2.4 | 32        |
| 31 | Human FAD synthase is a bi-functional enzyme with a FAD hydrolase activity in the molybdopterin binding domain. <i>Biochemical and Biophysical Research Communications</i> , 2015, 465, 443-449.  | 2.1 | 29        |
| 32 | Gender differences in endothelial function and inflammatory markers along the occurrence of pathological events in stroke-prone rats. <i>Experimental and Molecular Pathology</i> , 2007, 82, 33-41.                                      | 2.1 | 28        |
| 33 | Identification of small molecules uncoupling the Notch::Jagged interaction through an integrated high-throughput screening. <i>PLoS ONE</i> , 2017, 12, e0182640.   | 2.5 | 28        |
| 34 | Nimesulide binding site in the BOAT1 (SLC6A19) amino acid transporter. Mechanism of inhibition revealed by proteoliposome transport assay and molecular modelling. <i>Biochemical Pharmacology</i> , 2014, 89, 422-430.                   | 4.4 | 27        |
| 35 | Bacterial Production, Characterization and Protein Modeling of a Novel Monofunctional Isoform of FAD Synthase in Humans: An Emergency Protein?. <i>Molecules</i> , 2018, 23, 116.   | 3.8 | 26        |
| 36 | pH and Ionic Strength Dependence of Protein (Un)Folding and Ligand Binding to Bovine $\beta$ -Lactoglobulins A and B. <i>Biochemistry</i> , 2002, 41, 15415-15422.  | 2.5 | 25        |

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|----|---|-----|-----------|
| 37 | In between " Proteomics of dog biological fluids. <i>Journal of Proteomics</i> , 2014, 106, 30-45.  | 2.4 | 24        |
| 38 | Stereoselective reduction of aromatic ketones by a new ketoreductase from <i>Pichia glucozyma</i> . <i>Applied Microbiology and Biotechnology</i> , 2016, 100, 193-201.   | 3.6 | 24        |
| 39 | Surface Plasmon Resonance as a Tool for Ligand Binding Investigation of Engineered GPR17 Receptor, a G Protein Coupled Receptor Involved in Myelination. <i>Frontiers in Chemistry</i> , 2019, 7, 910.  | 3.6 | 24        |
| 40 | Other than IPG-DALT: 2-DE variants. <i>Proteomics</i> , 2010, 10, 586-610.  | 2.2 | 23        |
| 41 | Inhibition of Pancreatic $\alpha$ -amylase by Resveratrol Derivatives: Biological Activity and Molecular Modelling Evidence for Cooperativity between Viniferin Enantiomers. <i>Molecules</i> , 2019, 24, 3225.                                       | 3.8 | 23        |
| 42 | Enzymatic reduction of acetophenone derivatives with a benzil reductase from <i>Pichia glucozyma</i> (KRED1-Pglu): electronic and steric effects on activity and enantioselectivity. <i>Organic and Biomolecular Chemistry</i> , 2016, 14, 3404-3408. | 2.8 | 21        |
| 43 | The scaffold protein RACK1 is a target of endocrine disrupting chemicals (EDCs) with important implication in immunity. <i>Toxicology and Applied Pharmacology</i> , 2017, 325, 37-47.  | 2.8 | 20        |
| 44 | Apolipoprotein A breakdown is induced by thrombolysis in coronary patients. <i>Annals of Medicine</i> , 2007, 39, 306-311.  | 3.8 | 19        |
| 45 | Conformational and dynamics changes induced by bile acids binding to chicken liver bile acid binding protein. <i>Proteins: Structure, Function and Bioinformatics</i> , 2008, 71, 1889-1898.  | 2.6 | 18        |
| 46 | A Novel SEMA3G Mutation in Two Siblings Affected by Syndromic GnRH Deficiency. <i>Neuroendocrinology</i> , 2021, 111, 421-441.  | 2.5 | 18        |
| 47 | Hemolymph proteins: An overview across marine arthropods and molluscs. <i>Journal of Proteomics</i> , 2021, 245, 104294.  | 2.4 | 18        |
| 48 | Molecular Mechanism of Inhibition of the Mitochondrial Carnitine/Acylcarnitine Transporter by Omeprazole Revealed by Proteoliposome Assay, <i>Mutagenesis and Bioinformatics</i> . <i>PLoS ONE</i> , 2013, 8, e82286.                                 | 2.5 | 18        |
| 49 | Computational and experimental approaches for assessing the interactions between the model calycin $\beta$ -lactoglobulin and two antibacterial fluoroquinolones. <i>Proteins: Structure, Function and Bioinformatics</i> , 2006, 65, 555-567.        | 2.6 | 16        |
| 50 | Mapping the 5-50-kDa fraction of human amniotic fluid proteins by 2-DE and ESI-MS. <i>Proteomics - Clinical Applications</i> , 2007, 1, 167-175.  | 1.6 | 16        |
| 51 | Unfolding of beta-lactoglobulin on the surface of polystyrene nanoparticles: Experimental and computational approaches. <i>Proteins: Structure, Function and Bioinformatics</i> , 2014, 82, 1272-1282.  | 2.6 | 16        |
| 52 | Development of the first in vivo GPR17 ligand through an iterative drug discovery pipeline: A novel disease-modifying strategy for multiple sclerosis. <i>PLoS ONE</i> , 2020, 15, e0231483.  | 2.5 | 16        |
| 53 | Perivascular carotid collar placement induces neointima formation and outward arterial remodeling in mice independent of apolipoprotein E deficiency or Western-type diet feeding. <i>Atherosclerosis</i> , 2007, 195, e112-e124.                     | 0.8 | 15        |
| 54 | Raloxifene inhibits matrix metalloproteinases expression and activity in macrophages and smooth muscle cells. <i>Pharmacological Research</i> , 2007, 56, 160-167.  | 7.1 | 15        |

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|----|---|-----|-----------|
| 55 | Structural and dynamic roles of permanent water molecules in ligand molecular recognition by chicken liver bile acid binding protein. <i>Journal of Molecular Recognition</i> , 2008, 21, 348-354.                  | 2.1 | 15        |
| 56 | SARS-CoV-2 infection among asymptomatic homebound subjects in Milan, Italy. <i>European Journal of Internal Medicine</i> , 2020, 78, 161-163.   | 2.2 | 14        |
| 57 | Simulation of urea-induced protein unfolding: A lesson from bovine $\beta$ -lactoglobulin. <i>Journal of Molecular Graphics and Modelling</i> , 2011, 30, 24-30.  | 2.4 | 13        |
| 58 | A proteomic portrait of atherosclerosis. <i>Journal of Proteomics</i> , 2013, 82, 92-112.   | 2.4 | 13        |
| 59 | A promiscuous recognition mechanism between GPR17 and SDF-1: Molecular insights. <i>Cellular Signalling</i> , 2016, 28, 631-642.  | 3.6 | 13        |
| 60 | Design, synthesis, molecular modelling and in vitro cytotoxicity analysis of novel carbamate derivatives as inhibitors of Monoacylglycerol lipase. <i>Bioorganic and Medicinal Chemistry</i> , 2018, 26, 2561-2572. | 3.0 | 13        |
| 61 | Strategic single point mutation yields a solvent- and salt-stable transaminase from <i>Virgibacillus</i> sp. in soluble form. <i>Scientific Reports</i> , 2018, 8, 16441.   | 3.3 | 13        |
| 62 | Propiconazole is an activator of AHR and causes concentration additive effects with an established AHR ligand. <i>Archives of Toxicology</i> , 2018, 92, 3471-3486.   | 4.2 | 13        |
| 63 | In silico Description of LAT1 Transport Mechanism at an Atomistic Level. <i>Frontiers in Chemistry</i> , 2018, 6, 350.  | 3.6 | 13        |
| 64 | SLC6A14, a Pivotal Actor on Cancer Stage: When Function Meets Structure. <i>SLAS Discovery</i> , 2019, 24, 928-938.   | 2.7 | 13        |
| 65 | Activation of Naturally Occurring Lecithin:Cholesterol Acyltransferase Mutants by a Novel Activator Compound. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2020, 375, 463-468.                    | 2.5 | 13        |
| 66 | Some more about dogs: Proteomics of neglected biological fluids. <i>Journal of Proteomics</i> , 2020, 218, 103724.  | 2.4 | 13        |
| 67 | A Model Structure for the Heterodimer apoA-IMilano“apoA-II Supports Its Peculiar Susceptibility to Proteolysis. <i>Biophysical Journal</i> , 2006, 91, 3043-3049.   | 0.5 | 12        |
| 68 | Proteomics of lung physiopathology. <i>Proteomics</i> , 2008, 8, 5053-5073.   | 2.2 | 12        |
| 69 | In silico prediction and characterization of protein post-translational modifications. <i>Journal of Proteomics</i> , 2016, 134, 65-75.   | 2.4 | 12        |
| 70 | Gender proteomics I. Which proteins in non-sexual organs. <i>Journal of Proteomics</i> , 2018, 178, 7-17.   | 2.4 | 12        |
| 71 | Distinguishing mode of action of compounds inducing craniofacial malformations in zebrafish embryos to support dose-response modeling in combined exposures. <i>Reproductive Toxicology</i> , 2020, 96, 114-127.    | 2.9 | 12        |
| 72 | Proteomics of rat biological fluids “ The tenth anniversary update. <i>Journal of Proteomics</i> , 2012, 75, 3113-3128.   | 2.4 | 10        |

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|----|--|-----|-----------|
| 73 | Recombinant <i>S. cerevisiae</i> expressing Old Yellow Enzymes from non-conventional yeasts: an easy system for selective reduction of activated alkenes. <i>Microbial Cell Factories</i> , 2014, 13, 60.                              | 4.0 | 10        |
| 74 | Glatiramer acetate: A complex drug beyond biologics. <i>European Journal of Pharmaceutical Sciences</i> , 2019, 133, 8-14.   | 4.0 | 10        |
| 75 | Energy matters: Mitochondrial proteomics for biomedicine. <i>Proteomics</i> , 2011, 11, 657-674.   | 2.2 | 9         |
| 76 | Neglected markers: Altered serum proteome in murine models of disease. <i>Proteomics</i> , 2012, 12, 691-707.  | 2.2 | 9         |
| 77 | IgG1 conformational behavior: elucidation of the N-glycosylation role via molecular dynamics. <i>Biophysical Journal</i> , 2021, 120, 5355-5370.   | 0.5 | 9         |
| 78 | Using peripheral blood mononuclear cells to determine proteome profiles in human cardiac failure. <i>European Journal of Heart Failure</i> , 2008, 10, 749-757.  | 7.1 | 8         |
| 79 | Structural features and dynamics properties of human apolipoprotein A-I in a model of synthetic HDL. <i>Journal of Molecular Graphics and Modelling</i> , 2009, 28, 305-312.   | 2.4 | 8         |
| 80 | Electrostatics of folded and unfolded bovine $\beta^2$ -lactoglobulin. <i>Amino Acids</i> , 2012, 42, 2019-2030.   | 2.7 | 8         |
| 81 | Set-Up and Validation of a High Throughput Screening Method for Human Monoacylglycerol Lipase (MAGL) Based on a New Red Fluorescent Probe. <i>Molecules</i> , 2019, 24, 2241.  | 3.8 | 8         |
| 82 | rHDL modeling and the anchoring mechanism of LCAT activation. <i>Journal of Lipid Research</i> , 2021, 62, 100006.   | 4.2 | 8         |
| 83 | Detection of Protein Glutathionylation. <i>Methods in Molecular Biology</i> , 2009, 519, 397-415.  | 0.9 | 7         |
| 84 | Structural and dynamic features of apolipoprotein A-I cysteine mutants, Milano and Paris, in synthetic HDL. <i>Journal of Molecular Graphics and Modelling</i> , 2010, 29, 406-414.  | 2.4 | 7         |
| 85 | Inflammatory serum proteome pattern in mice fed a high-fat diet. <i>Amino Acids</i> , 2013, 44, 1001-1008.   | 2.7 | 7         |
| 86 | <i>In Vitro</i> Chronic Administration of ERbeta Selective Ligands and Prostate Cancer Cell Growth: Hypotheses on the Selective Role of 3beta-Adiol in AR-Positive RV1 Cells. <i>BioMed Research International</i> , 2014, 2014, 1-14. | 1.9 | 7         |
| 87 | Development of an adverse outcome pathway for cranio-facial malformations: A contribution from in silico simulations and in vitro data. <i>Food and Chemical Toxicology</i> , 2020, 140, 111303.                                       | 3.6 | 6         |
| 88 | Distant Homology Modeling of LCAT and Its Validation through In Silico Targeting and In Vitro and In Vivo Assays. <i>PLoS ONE</i> , 2014, 9, e95044.   | 2.5 | 6         |
| 89 | Molecular Modelling of NONO and SFPQ Dimerization Process and RNA Recognition Mechanism. <i>International Journal of Molecular Sciences</i> , 2022, 23, 7626.  | 4.1 | 6         |
| 90 | Gender proteomics II. Which proteins in sexual organs. <i>Journal of Proteomics</i> , 2018, 178, 18-30.  | 2.4 | 5         |

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|-----|---|-----|-----------|
| 91  | ApoA<sub>Milano</sub> from structure to clinical application. <i>Annals of Medicine</i> , 2008, 40, 48-56.  | 3.8 | 4         |
| 92  | All-Purpose Containers? Lipid-Binding Protein â€“ Drug Interactions. <i>PLoS ONE</i> , 2015, 10, e0132096.  | 2.5 | 4         |
| 93  | What if? Mouse proteomics after gene inactivation. <i>Journal of Proteomics</i> , 2019, 199, 102-122.   | 2.4 | 3         |
| 94  | Wards in the keyway: amino acids with anomalous pK as in calycons. <i>Amino Acids</i> , 2012, 43, 2457-2468.  | 2.7 | 1         |
| 95  | Encore â€“ Sex dependency of the proteome. <i>Journal of Proteomics</i> , 2020, 212, 103579.  | 2.4 | 1         |
| 96  | 2,4-Furfurylidene-D-sorbitol and its tetra-methyl ether: synthesis, conformational studies, and radical scavenging activity. <i>Arkivoc</i> , 2017, 2016, 50-68.                      | 0.5 | 1         |
| 97  | Pharmacokinetics and pharmacodynamics in the newborn. <i>Veterinary Research Communications</i> , 2008, 32, 77-80.  | 1.6 | 0         |
| 98  | Molecular investigation of riboflavin-responsive multiple acyl-CoA dehydrogenase deficiency (RR-MAD) patients. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 2010, 1797, 54. | 1.0 | 0         |
| 99  | Class A GPCRs: a multifaceted reality. <i>Purinergic Signalling</i> , 2011, 7, 279-281.   | 2.2 | 0         |
| 100 | Editorial: A matter of ingredients. <i>Journal of Proteomics</i> , 2018, 178, 1-6.  | 2.4 | 0         |