

# Assunta Pandolfi

## List of Publications by Year in descending order

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94  
papers

3,835  
citations

147566

31  
h-index

138251

58  
g-index

96  
all docs

96  
docs citations

96  
times ranked

5878  
citing authors

| #  | ARTICLE  | IF  | CITATIONS |
|----|--|-----|-----------|
| 1  | TRAIL Promotes the Survival and Proliferation of Primary Human Vascular Endothelial Cells by Activating the Akt and ERK Pathways. <i>Circulation</i> , 2003, 107, 2250-2256.   | 1.6 | 283       |
| 2  | Physiology and pathophysiology of oxLDL uptake by vascular wall cells in atherosclerosis. <i>Vascular Pharmacology</i> , 2016, 84, 1-7.  | 1.0 | 194       |
| 3  | Mechanisms of uremic erythrocyte-induced adhesion of human monocytes to cultured endothelial cells. <i>Journal of Cellular Physiology</i> , 2007, 213, 699-709.  | 2.0 | 184       |
| 4  | Age-dependent changes in the expression of superoxide dismutases and catalase are associated with ultrastructural modifications in human granulosa cells. <i>Molecular Human Reproduction</i> , 2006, 12, 655-660.             | 1.3 | 164       |
| 5  | Plasminogen Activator Inhibitor Type 1 Is Increased in the Arterial Wall of Type II Diabetic Subjects. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2001, 21, 1378-1382.  | 1.1 | 134       |
| 6  | An Increased Osteoprotegerin Serum Release Characterizes the Early Onset of Diabetes Mellitus and May Contribute to Endothelial Cell Dysfunction. <i>American Journal of Pathology</i> , 2006, 169, 2236-2244.                 | 1.9 | 129       |
| 7  | Association Between a Genetic Variant Related to Glutamic Acid Metabolism and Coronary Heart Disease in Individuals With Type 2 Diabetes. <i>JAMA - Journal of the American Medical Association</i> , 2013, 310, 821.          | 3.8 | 122       |
| 8  | Acute hyperglycemia and acute hyperinsulinemia decrease plasma fibrinolytic activity and increase plasminogen activator inhibitor type 1 in the rat. <i>Acta Diabetologica</i> , 2001, 38, 71-76.                              | 1.2 | 119       |
| 9  | Tumor Necrosis Factor-Related Apoptosis-Inducing Ligand (TRAIL) Sequentially Upregulates Nitric Oxide and Prostanoid Production in Primary Human Endothelial Cells. <i>Circulation Research</i> , 2003, 92, 732-740.           | 2.0 | 119       |
| 10 | G972R IRS-1 Variant Impairs Insulin Regulation of Endothelial Nitric Oxide Synthase in Cultured Human Endothelial Cells. <i>Circulation</i> , 2004, 109, 399-405.  | 1.6 | 104       |
| 11 | The Mammalian Tribbles Homolog TRIB3, Glucose Homeostasis, and Cardiovascular Diseases. <i>Endocrine Reviews</i> , 2012, 33, 526-546.  | 8.9 | 100       |
| 12 | Insulin enhances vascular cell adhesion molecule-1 expression in human cultured endothelial cells through a pro-atherogenic pathway mediated by p38 mitogen-activated protein-kinase. <i>Diabetologia</i> , 2004, 47, 532-536. | 2.9 | 89        |
| 13 | Wnt Signaling Behaves as a "Master Regulator" in the Osteogenic and Adipogenic Commitment of Human Amniotic Fluid Mesenchymal Stem Cells. <i>Stem Cell Reviews and Reports</i> , 2013, 9, 642-654.                             | 5.6 | 88        |
| 14 | β-Carotene and lycopene affect endothelial response to TNF-α reducing nitro-oxidative stress and interaction with monocytes. <i>Molecular Nutrition and Food Research</i> , 2012, 56, 217-227.                                 | 1.5 | 87        |
| 15 | Induction of Prostacyclin by Steady Laminar Shear Stress Suppresses Tumor Necrosis Factor-α Biosynthesis via Heme Oxygenase-1 in Human Endothelial Cells. <i>Circulation Research</i> , 2009, 104, 506-513.                    | 2.0 | 85        |
| 16 | Cystic fibrosis transmembrane conductance regulator (CFTR) expression in human platelets: impact on mediators and mechanisms of the inflammatory response. <i>FASEB Journal</i> , 2010, 24, 3970-3980.                         | 0.2 | 75        |
| 17 | Perinatal Derivatives: Where Do We Stand? A Roadmap of the Human Placenta and Consensus for Tissue and Cell Nomenclature. <i>Frontiers in Bioengineering and Biotechnology</i> , 2020, 8, 610544.                              | 2.0 | 68        |
| 18 | Decreased <i>in vivo</i> oxidative stress and decreased platelet activation following metformin treatment in newly diagnosed type 2 diabetic subjects. <i>Diabetes/Metabolism Research and Reviews</i> , 2008, 24, 231-237.    | 1.7 | 66        |

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|----|---|-----|-----------|
| 19 | Glucose and insulin independently reduce the fibrinolytic potential of human vascular smooth muscle cells in culture. <i>Diabetologia</i> , 1996, 39, 1425-1431.  | 2.9 | 65        |
| 20 | Effects of long-term treatment with pioglitazone on cognition and glucose metabolism of PS1-KI, 3xTg-AD, and wild-type mice. <i>Cell Death and Disease</i> , 2012, 3, e448-e448.  | 2.7 | 64        |
| 21 | Serum- and Glucocorticoid-Inducible Kinase 1 (SGK1) Regulates Adipocyte Differentiation via Forkhead Box O1. <i>Molecular Endocrinology</i> , 2010, 24, 370-380.  | 3.7 | 63        |
| 22 | Features of endothelial dysfunction in umbilical cord vessels of women with gestational diabetes. <i>Nutrition, Metabolism and Cardiovascular Diseases</i> , 2014, 24, 1337-1345.   | 1.1 | 56        |
| 23 | TRIB3 R84 Variant Is Associated With Impaired Insulin-Mediated Nitric Oxide Production in Human Endothelial Cells. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2008, 28, 1355-1360.   | 1.1 | 53        |
| 24 | Phenotype modulation in cultures of vascular smooth muscle cells from diabetic rats: Association with increased nitric oxide synthase expression and superoxide anion generation. <i>Journal of Cellular Physiology</i> , 2003, 196, 378-385.                             | 2.0 | 52        |
| 25 | Chronic hyperglycemia and nitric oxide bioavailability play a pivotal role in pro-atherogenic vascular modifications. <i>Genes and Nutrition</i> , 2007, 2, 195-208.  | 1.2 | 47        |
| 26 | Mechanisms of endothelial cell dysfunction in cystic fibrosis. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2017, 1863, 3243-3253.   | 1.8 | 45        |
| 27 | Liraglutide mitigates TNF $\alpha$ induced pro-atherogenic changes and microvesicle release in HUVEC from diabetic women. <i>Diabetes/Metabolism Research and Reviews</i> , 2017, 33, e2925.  | 1.7 | 41        |
| 28 | Mesenchymal stromal cells from amniotic fluid are less prone to senescence compared to those obtained from bone marrow: An in vitro study. <i>Journal of Cellular Physiology</i> , 2018, 233, 8996-9006.  | 2.0 | 37        |
| 29 | Transcriptome analysis of human primary endothelial cells (HUVEC) from umbilical cords of gestational diabetic mothers reveals candidate sites for an epigenetic modulation of specific gene expression. <i>Genomics</i> , 2014, 103, 337-348.                            | 1.3 | 36        |
| 30 | Anti-inflammatory Role of Carotenoids in Endothelial Cells Derived from Umbilical Cord of Women Affected by Gestational Diabetes Mellitus. <i>Oxidative Medicine and Cellular Longevity</i> , 2019, 2019, 1-11.   | 1.9 | 35        |
| 31 | Tumor necrosis factor-related apoptosis-inducing ligand (TRAIL) regulates endothelial nitric oxide synthase (eNOS) activity and its localization within the human vein endothelial cells (HUVEC) in culture. <i>Journal of Cellular Biochemistry</i> , 2006, 97, 782-794. | 1.2 | 32        |
| 32 | The Prominent Role of P38 Mitogen-Activated Protein Kinase in Insulin-Mediated Enhancement of VCAM-1 Expression in Endothelial Cells. <i>International Journal of Immunopathology and Pharmacology</i> , 2007, 20, 539-555.   | 1.0 | 31        |
| 33 | Anti-Inflammatory Activity of Marine Ovoidiol A in an <i>In Vitro</i> Model of Endothelial Dysfunction Induced by Hyperglycemia. <i>Oxidative Medicine and Cellular Longevity</i> , 2018, 2018, 1-12.   | 1.9 | 31        |
| 34 | l-Carnitine is an osmotic agent suitable for peritoneal dialysis. <i>Kidney International</i> , 2011, 80, 645-654.  | 2.6 | 30        |
| 35 | The TRIB3 R84 variant is associated with increased carotid intima-media thickness in vivo and with enhanced MAPK signalling in human endothelial cells. <i>Cardiovascular Research</i> , 2011, 89, 184-192.   | 1.8 | 28        |
| 36 | High glucose, nitric oxide, and adenosine: a vicious circle in chronic hyperglycaemia?. <i>Cardiovascular Research</i> , 2010, 86, 9-11.  | 1.8 | 27        |

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|----|---|-----|-----------|
| 37 | Centella Asiatica and Lipoic Acid, or a combination thereof, inhibit monocyte adhesion to endothelial cells from umbilical cords of gestational diabetic women. <i>Nutrition, Metabolism and Cardiovascular Diseases</i> , 2015, 25, 659-666. | 1.1 | 27        |
| 38 | Molecular and Phenotypic Characterization of Human Amniotic Fluid-Derived Cells: A Morphological and Proteomic Approach. <i>Stem Cells and Development</i> , 2015, 24, 1415-1428.   | 1.1 | 27        |
| 39 | Lipoxin A <sub>4</sub> stimulates endothelial miR-126 expression and its transfer via microvesicles. <i>FASEB Journal</i> , 2017, 31, 1856-1866.  | 0.2 | 27        |
| 40 | The Dual Role of Vitamin K2 in Bone-Vascular Crosstalk: Opposite Effects on Bone Loss and Vascular Calcification. <i>Nutrients</i> , 2021, 13, 1222.  | 1.7 | 27        |
| 41 | Indazole, Pyrazole, and Oxazole Derivatives Targeting Nitric Oxide Synthases and Carbonic Anhydrases. <i>ChemMedChem</i> , 2016, 11, 1695-1699.   | 1.6 | 26        |
| 42 | Calcimimetic R-568 and Its Enantiomer S-568 Increase Nitric Oxide Release in Human Endothelial Cells. <i>PLoS ONE</i> , 2012, 7, e30682.  | 1.1 | 26        |
| 43 | Role of Polyphenols and Carotenoids in Endothelial Dysfunction: An Overview from Classic to Innovative Biomarkers. <i>Oxidative Medicine and Cellular Longevity</i> , 2020, 2020, 1-19.   | 1.9 | 25        |
| 44 | Plasma protein carbonylation in chronic uremia. <i>Journal of Nephrology</i> , 2011, 24, 453-464.   | 0.9 | 25        |
| 45 | Possible role for nitric oxide dysregulation in critical illness myopathy. <i>Muscle and Nerve</i> , 2008, 37, 196-202.   | 1.0 | 24        |
| 46 | Selective Acetamidine-Based Nitric Oxide Synthase Inhibitors: Synthesis, Docking, and Biological Studies. <i>ACS Medicinal Chemistry Letters</i> , 2015, 6, 635-640.  | 1.3 | 24        |
| 47 | Joint effect of insulin signaling genes on cardiovascular events and on whole body and endothelial insulin resistance. <i>Atherosclerosis</i> , 2013, 226, 140-145.   | 0.4 | 23        |
| 48 | Increased iNOS activity in vascular smooth muscle cells from diabetic rats: Potential role of Ca <sup>2+</sup> /calmodulin-dependent protein kinase II delta 2 (CaMKII $\delta$ 2). <i>Atherosclerosis</i> , 2013, 226, 88-94.                | 0.4 | 23        |
| 49 | Calcium Sensing Receptor Activation by Calcimimetic R-568 in Human Amniotic Fluid Mesenchymal Stem Cells: Correlation with Osteogenic Differentiation. <i>Stem Cells and Development</i> , 2014, 23, 2959-2971.                               | 1.1 | 23        |
| 50 | Chemerin in renal dysfunction and cardiovascular disease. <i>Vascular Pharmacology</i> , 2016, 77, 28-34.   | 1.0 | 23        |
| 51 | Insulin down-regulates TRAIL expression in vascular smooth muscle cells both in vivo and in vitro. <i>Journal of Cellular Physiology</i> , 2007, 212, 89-95.  | 2.0 | 22        |
| 52 | ENPP1 Q121 Variant, Increased Pulse Pressure and Reduced Insulin Signaling, and Nitric Oxide Synthase Activity in Endothelial Cells. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2009, 29, 1678-1683.                         | 1.1 | 22        |
| 53 | Adherence of uremic erythrocytes to vascular endothelium decreases endothelial nitric oxide synthase expression. <i>Kidney International</i> , 2005, 67, 1899-1906.   | 2.6 | 21        |
| 54 | Identification and Characterization of a Stem Cell-Like Population in Bovine Milk: A Potential New Source for Regenerative Medicine in Veterinary. <i>Stem Cells and Development</i> , 2018, 27, 1587-1597.                                   | 1.1 | 20        |

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|----|--|-----|-----------|
| 55 | Calcium Sensing Receptor Expression in Ovine Amniotic Fluid Mesenchymal Stem Cells and the Potential Role of R-568 during Osteogenic Differentiation. <i>PLoS ONE</i> , 2013, 8, e73816.   | 1.1 | 20        |
| 56 | Osteogenic differentiation of amniotic fluid mesenchymal stromal cells and their bone regeneration potential. <i>World Journal of Stem Cells</i> , 2015, 7, 681.   | 1.3 | 19        |
| 57 | Discovery of N-{3-[(ethanimidoylamino)methyl]benzyl}-l-prolinamide dihydrochloride: A new potent and selective inhibitor of the inducible nitric oxide synthase as a promising agent for the therapy of malignant glioma. <i>European Journal of Medicinal Chemistry</i> , 2018, 152, 53-64. | 2.6 | 19        |
| 58 | Selective Insulin Resistance Affecting Nitric Oxide Release But Not Plasminogen Activator Inhibitor-1 Synthesis in Fibroblasts From Insulin-Resistant Individuals. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2005, 25, 2392-2397.  | 1.1 | 18        |
| 59 | Endothelial cells from umbilical cord of women affected by gestational diabetes: A suitable in vitro model to study mechanisms of early vascular senescence in diabetes. <i>FASEB Journal</i> , 2021, 35, e21662.  | 0.2 | 18        |
| 60 | The SH2B1 obesity locus is associated with myocardial infarction in diabetic patients and with NO synthase activity in endothelial cells. <i>Atherosclerosis</i> , 2011, 219, 667-672.   | 0.4 | 17        |
| 61 | A Functional Variant of the Dimethylarginine Dimethylaminohydrolase-2 Gene Is Associated with Insulin Sensitivity. <i>PLoS ONE</i> , 2012, 7, e36224.  | 1.1 | 17        |
| 62 | Human Mesenchymal Stem Cells Reendothelialize Porcine Heart Valve Scaffolds: Novel Perspectives in Heart Valve Tissue Engineering. <i>BioResearch Open Access</i> , 2015, 4, 288-297.  | 2.6 | 17        |
| 63 | Menaquinone-4 enhances osteogenic potential of human amniotic fluid mesenchymal stem cells cultured in 2D and 3D dynamic culture systems. <i>Journal of Tissue Engineering and Regenerative Medicine</i> , 2018, 12, 447-459.  | 1.3 | 17        |
| 64 | Nitric oxide synthetic pathway and cGMP levels are altered in red blood cells from end-stage renal disease patients. <i>Molecular and Cellular Biochemistry</i> , 2016, 417, 155-167.  | 1.4 | 16        |
| 65 | Trisomy 21 Mid-Trimester Amniotic Fluid Induced Pluripotent Stem Cells Maintain Genetic Signatures During Reprogramming: Implications for Disease Modeling and Cryobanking. <i>Cellular Reprogramming</i> , 2014, 16, 331-344.   | 0.5 | 15        |
| 66 | Myoinositol Reduces Inflammation and Oxidative Stress in Human Endothelial Cells Exposed In Vivo to Chronic Hyperglycemia. <i>Nutrients</i> , 2021, 13, 2210.  | 1.7 | 15        |
| 67 | Influence of Nano, Micro, and Macro Topography of Dental Implant Surfaces on Human Gingival Fibroblasts. <i>International Journal of Molecular Sciences</i> , 2021, 22, 9871.  | 1.8 | 15        |
| 68 | Acetylcholine and acetylcarnitine transport in peritoneum: Role of the SLC22A4 (OCTN1) transporter. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2016, 1858, 653-660.   | 1.4 | 14        |
| 69 | Association of the 1q25 Diabetes-Specific Coronary Heart Disease Locus With Alterations of the $\beta$ -Glutamyl Cycle and Increased Methylglyoxal Levels in Endothelial Cells. <i>Diabetes</i> , 2020, 69, 2206-2216.   | 0.3 | 14        |
| 70 | Effect of peritoneal dialysis fluid containing osmo-metabolic agents on human endothelial cells. <i>Drug Design, Development and Therapy</i> , 2016, Volume 10, 3925-3932.   | 2.0 | 13        |
| 71 | Plasma from pre-pubertal obese children impairs insulin stimulated Nitric Oxide (NO) bioavailability in endothelial cells: Role of ER stress. <i>Molecular and Cellular Endocrinology</i> , 2017, 443, 52-62.  | 1.6 | 13        |
| 72 | Differences in the glutathione system of cultured aortic smooth muscle cells from young and aged rats. <i>Atherosclerosis</i> , 1993, 100, 141-148.  | 0.4 | 12        |

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|----|--|-----|-----------|
| 73 | Cytotoxic and Genotoxic Effects of Composite Resins on Cultured Human Gingival Fibroblasts. <i>Materials</i> , 2021, 14, 5225.   | 1.3 | 12        |
| 74 | C-reactive protein: A potential new molecular link between inflammation, thrombosis and vascular cell proliferation?. <i>Cardiovascular Research</i> , 2005, 68, 3-4.  | 1.8 | 10        |
| 75 | An Italian Innovative Small-Scale Approach to Promote the Conscious Consumption of Healthy Food. <i>Applied Sciences (Switzerland)</i> , 2020, 10, 5678.   | 1.3 | 10        |
| 76 | Reversed-phase high-performance liquid chromatography method with fluorescence detection to screen nitric oxide synthases inhibitors. <i>Journal of Separation Science</i> , 2014, 37, 1380-1385.  | 1.3 | 9         |
| 77 | Human osteoclasts/osteoblasts 3D dynamic co-culture system to study the beneficial effects of glucosamine on bone microenvironment. <i>International Journal of Molecular Medicine</i> , 2021, 47, .   | 1.8 | 9         |
| 78 | Calcitonin-Induced Effects on Amniotic Fluid-Derived Mesenchymal Stem Cells. <i>Cellular Physiology and Biochemistry</i> , 2015, 36, 259-273.  | 1.1 | 8         |
| 79 | Establishment and long-term culture of human cystic fibrosis endothelial cells. <i>Laboratory Investigation</i> , 2017, 97, 1375-1384.   | 1.7 | 8         |
| 80 | Osteogenic transdifferentiation of vascular smooth muscle cells isolated from spontaneously hypertensive rats and potential menaquinone-4 inhibiting effect. <i>Journal of Cellular Physiology</i> , 2019, 234, 19761-19773.   | 2.0 | 7         |
| 81 | Three-Dimensional Co-Culture System of Human Osteoblasts and Osteoclast Precursors from Osteoporotic Patients as an Innovative Model to Study the Role of Nutrients: Focus on Vitamin K2. <i>Nutrients</i> , 2021, 13, 2823.   | 1.7 | 7         |
| 82 | Diabetes mellitus induces decreased plasma fibrinolytic activity and increased tissue synthesis of plasminogen activator inhibitor-1 (PAI-1) in the rat. <i>Fibrinolysis and Proteolysis</i> , 2000, 14, 261-267.  | 1.1 | 5         |
| 83 | Preparation and characterization of polymeric micelles loaded with a potential anticancer prodrug. <i>Journal of Drug Delivery Science and Technology</i> , 2016, 35, 24-29.   | 1.4 | 5         |
| 84 | Calcimimetic R-568 vasodilatory effect on mesenteric vascular beds from normotensive (WKY) and spontaneously hypertensive (SHR) rats. Potential involvement of vascular smooth muscle cells (vSMCs). <i>PLoS ONE</i> , 2018, 13, e0202354.                           | 1.1 | 5         |
| 85 | Plasma from obese children increases monocyte-endothelial adhesion and affects intracellular insulin signaling in cultured endothelial cells: Potential role of mTORC1-S6K1. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2021, 1867, 166076. | 1.8 | 5         |
| 86 | Effect of the Human Amniotic Membrane on the Umbilical Vein Endothelial Cells of Gestational Diabetic Mothers: New Insight on Inflammation and Angiogenesis. <i>Frontiers in Bioengineering and Biotechnology</i> , 0, 10, .   | 2.0 | 5         |
| 87 | Metabolic syndrome in survivors from the 2009 earthquake in Italy. <i>Nutrition, Metabolism and Cardiovascular Diseases</i> , 2013, 23, e5-e8.   | 1.1 | 3         |
| 88 | Erythrocyte Alterations and Increased Cardiovascular Risk in Chronic Renal Failure. <i>Nephro-Urology Monthly</i> , 2017, In Press, .  | 0.0 | 3         |
| 89 | Insulin Resistance Affects Gene Expression in Endothelium. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2008, 28, e7-9.   | 1.1 | 2         |
| 90 | Predialysis and Dialysis Therapies Differently Affect Nitric Oxide Synthetic Pathway in Red Blood Cells from Uremic Patients: Focus on Peritoneal Dialysis. <i>International Journal of Molecular Sciences</i> , 2021, 22, 3049.                                     | 1.8 | 2         |

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|----|--|-----|-----------|
| 91 | Pro-Osteogenic Properties of Violina pumpkin ( <i>Cucurbita moschata</i> ) Leaf Extracts: Data from In Vitro Human Primary Cell Cultures. <i>Nutrients</i> , 2021, 13, 2633. | 1.7 | 2         |
| 92 | Surfactant Protein A-Producing Cells in Human Fetal Lung Are Good Targets for Recombinant Adenovirus-Mediated Gene Transfer. <i>Pediatric Research</i> , 1996, 40, 142-147.  | 1.1 | 1         |
| 93 | Old and New Biomarkers Associated with Endothelial Dysfunction in Chronic Hyperglycemia. <i>Oxidative Medicine and Cellular Longevity</i> , 2021, 2021, 1-13.                | 1.9 | 1         |
| 94 | Dietary Bioactives: Their Role in the Prevention and Treatment of Cardiovascular and Metabolic Bone Diseases. <i>Nutrients</i> , 2022, 14, 2459.                             | 1.7 | 0         |