

Stefania Montagnani

List of Publications by Year in descending order

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66
papers

2,492
citations

172207

29
h-index

214527

47
g-index

67
all docs

67
docs citations

67
times ranked

3828
citing authors

#	ARTICLE	IF	CITATIONS
1	Spatiotemporal patterns of smooth muscle cell changes in ascending aortic dilatation with bicuspid and tricuspid aortic valve stenosis: Focus on cellâ€‘matrix signaling. <i>Journal of Thoracic and Cardiovascular Surgery</i> , 2008, 135, 8-18.e2.	0.4	161
2	Different patterns of extracellular matrix protein expression in the convexity and the concavity of the dilated aorta with bicuspid aortic valve: Preliminary results. <i>Journal of Thoracic and Cardiovascular Surgery</i> , 2005, 130, 504.e1-504.e9.	0.4	125
3	Effects of Physical Exercise on Adiponectin, Leptin, and Inflammatory Markers in Childhood Obesity: Systematic Review and Meta-Analysis. <i>Childhood Obesity</i> , 2018, 14, 207-217.	0.8	113
4	Metabolic Reprogramming of Cancer Associated Fibroblasts: The Slavery of Stromal Fibroblasts. <i>BioMed Research International</i> , 2018, 2018, 1-12.	0.9	100
5	Cancer: An Oxidative Crosstalk between Solid Tumor Cells and Cancer Associated Fibroblasts. <i>BioMed Research International</i> , 2016, 2016, 1-7.	0.9	99
6	Polyurethane-based scaffolds for myocardial tissue engineering. <i>Interface Focus</i> , 2014, 4, 20130045.	1.5	95
7	CD117-Positive Cells in Adult Human Heart Are Localized in the Subepicardium, and Their Activation Is Associated with Laminin-1 and Î±6 Integrin Expression. <i>Stem Cells</i> , 2008, 26, 1723-1731.	1.4	85
8	NADPH-oxidase-dependent reactive oxygen species mediate EGFR transactivation by FPRL1 in WKYMVm-stimulated human lung cancer cells. <i>Free Radical Biology and Medicine</i> , 2011, 51, 1126-1136.	1.3	80
9	Epithelialâ€‘mesenchymal transition of epicardial mesothelium is a source of cardiac CD117-positive stem cells in adult human heart. <i>Journal of Molecular and Cellular Cardiology</i> , 2010, 49, 719-727.	0.9	69
10	Habits and beliefs related to food supplements: Results of a survey among Italian students of different education fields and levels. <i>PLoS ONE</i> , 2018, 13, e0191424.	1.1	66
11	Metabolic Plasticity of Melanoma Cells and Their Crosstalk With Tumor Microenvironment. <i>Frontiers in Oncology</i> , 2020, 10, 722.	1.3	66
12	Metabolic flexibility in melanoma: A potential therapeutic target. <i>Seminars in Cancer Biology</i> , 2019, 59, 187-207.	4.3	62
13	Sodium Nitroprusside Prevents Chemical Hypoxia-Induced Cell Death Through Iron Ions Stimulating the Activity of the Na ⁺ -Ca ²⁺ Exchanger in C6 Glioma Cells. <i>Journal of Neurochemistry</i> , 2002, 74, 1505-1513.	2.1	59
14	Shock Waves Activate In Vitro Cultured Progenitors and Precursors Of Cardiac Cell Lineages from the Human Heart. <i>Ultrasound in Medicine and Biology</i> , 2008, 34, 334-342.	0.7	59
15	Markers of mitochondrial dysfunction during the diclofenac-induced apoptosis in melanoma cell lines. <i>Biochimie</i> , 2013, 95, 934-945.	1.3	57
16	Mitochondrial Flexibility of Breast Cancers: A Growth Advantage and a Therapeutic Opportunity. <i>Cells</i> , 2019, 8, 401.	1.8	51
17	Ca ²⁺ -dependent nitric oxide release in the injured endothelium of excised rat aorta: a promising mechanism applying in vascular prosthetic devices in aging patients. <i>BMC Surgery</i> , 2013, 13, S40.	0.6	49
18	Pharmacological evidence that the activation of the Na ⁺ -Ca ²⁺ exchanger protects C6 glioma cells during chemical hypoxia. <i>British Journal of Pharmacology</i> , 1997, 121, 303-309.	2.7	45

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19	How to utilize Ca ²⁺ signals to rejuvenate the reparative phenotype of senescent endothelial progenitor cells in elderly patients affected by cardiovascular diseases: a useful therapeutic support of surgical approach?. <i>BMC Surgery</i> , 2013, 13, S46.	0.6	44
20	Cardiac Fibroblast-Derived Extracellular Matrix (Biomatrix) as a Model for the Studies of Cardiac Primitive Cell Biological Properties in Normal and Pathological Adult Human Heart. <i>BioMed Research International</i> , 2013, 2013, 1-7.	0.9	41
21	Optimization of Human Myocardium Decellularization Method for the Construction of Implantable Patches. <i>Tissue Engineering - Part C: Methods</i> , 2017, 23, 525-539.	1.1	39
22	Preliminary experience with a new three-dimensional computer-based model for the study and the analysis of skull base approaches. <i>Child's Nervous System</i> , 2010, 26, 621-626.	0.6	38
23	Cardiac shock wave therapy: assessment of safety and new insights into mechanisms of tissue regeneration. <i>Journal of Cellular and Molecular Medicine</i> , 2012, 16, 936-942.	1.6	38
24	Surface functionalization of polyurethane scaffolds mimicking the myocardial microenvironment to support cardiac primitive cells. <i>PLoS ONE</i> , 2018, 13, e0199896.	1.1	38
25	A composite semiresorbable armoured scaffold stabilizes pulmonary autograft after the Ross operation: Mr Ross's dream fulfilled. <i>Journal of Thoracic and Cardiovascular Surgery</i> , 2016, 151, 155-164.e1.	0.4	37
26	Diversity of dermal fibroblasts as major determinant of variability in cell reprogramming. <i>Journal of Cellular and Molecular Medicine</i> , 2019, 23, 4256-4268.	1.6	36
27	Introducing bioresorbable scaffolds into the show. A potential adjunct to resuscitate Ross procedure. <i>International Journal of Cardiology</i> , 2015, 190, 50-52.	0.8	35
28	Involvement of Breast Cancer-Associated Fibroblasts in Tumor Development, Therapy Resistance and Evaluation of Potential Therapeutic Strategies. <i>Current Medicinal Chemistry</i> , 2018, 25, 3414-3434.	1.2	33
29	Endoscopic Anatomy of the Skull Base Explored Through the Nose. <i>World Neurosurgery</i> , 2014, 82, S164-S170.	0.7	31
30	Decellularized Human Dermal Matrix as a Biological Scaffold for Cardiac Repair and Regeneration. <i>Frontiers in Bioengineering and Biotechnology</i> , 2020, 8, 229.	2.0	31
31	Effectiveness of Workplace Yoga Interventions to Reduce Perceived Stress in Employees: A Systematic Review and Meta-Analysis. <i>Journal of Functional Morphology and Kinesiology</i> , 2020, 5, 33.	1.1	30
32	Generation and analysis of spheroids from human primary skin myofibroblasts: an experimental system to study myofibroblasts deactivation. <i>Cell Death Discovery</i> , 2017, 3, 17038.	2.0	29
33	Cardiac primitive cells become committed to a cardiac fate in adult human heart with chronic ischemic disease but fail to acquire mature phenotype: genetic and phenotypic study. <i>Basic Research in Cardiology</i> , 2013, 108, 320.	2.5	28
34	Exercise stress test in apparently healthy individuals â where to place the finish line? The Ferrari corporate wellness programme experience. <i>European Journal of Preventive Cardiology</i> , 2019, 26, 731-738.	0.8	28
35	Verapamil upregulates sensitivity of human colon and breast cancer cells to LAK-cytotoxicity in vitro. <i>European Journal of Cancer & Clinical Oncology</i> , 1991, 27, 1393-1395.	0.9	27
36	Influence of Fibroblasts on Mammary Gland Development, Breast Cancer Microenvironment Remodeling, and Cancer Cell Dissemination. <i>Cancers</i> , 2020, 12, 1697.	1.7	27

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37	Influence of Tumor Microenvironment and Fibroblast Population Plasticity on Melanoma Growth, Therapy Resistance and Immunoescape. <i>International Journal of Molecular Sciences</i> , 2021, 22, 5283.	1.8	27
38	The Hypoglossal Nerve: Anatomical Study of Its Entire Course. <i>World Neurosurgery</i> , 2018, 109, e486-e492.	0.7	26
39	Reinforcement of the pulmonary artery autograft with a polyglactin and polydioxanone mesh in the Ross operation: experimental study in growing lamb. <i>Journal of Heart Valve Disease</i> , 2014, 23, 145-8.	0.5	26
40	Biomechanics drive histological wall remodeling of neo-aortic root: A mathematical model to study the expression levels of ki 67, metalloprotease, and apoptosis transition. <i>Journal of Biomedical Materials Research - Part A</i> , 2016, 104, 2785-2793.	2.1	25
41	Oestrogen and progesterone sensitivity in cultured meningioma cells. <i>Neurological Research</i> , 1989, 11, 9-13.	0.6	24
42	Epicardial cells are missing from the surface of hearts with ischemic cardiomyopathy: A useful clue about the self-renewal potential of the adult human heart?. <i>International Journal of Cardiology</i> , 2010, 145, e44-e46.	0.8	24
43	Short-time prone posturing is well-tolerated and reduces the rate of unintentional retinal displacement in elderly patients operated on for retinal detachment. <i>BMC Surgery</i> , 2013, 13, S55.	0.6	24
44	Primary giant hepatic neuroendocrine carcinoma: A case report. <i>International Journal of Surgery</i> , 2014, 12, S218-S221.	1.1	22
45	Expression of GM-CSF receptor and <i>in vitro</i> effects of GM-CSF on human fibroblasts. <i>Life Sciences</i> , 1998, 63, 327-336.	2.0	21
46	Surgical management of pleomorphic adenoma of parotid gland in elderly patients: Role of morphological features. <i>International Journal of Surgery</i> , 2014, 12, S12-S16.	1.1	21
47	Adult Stem Cells in Tissue Maintenance and Regeneration. <i>Stem Cells International</i> , 2016, 2016, 1-2.	1.2	20
48	Estrogen and progesterone receptors in meningiomas. <i>World Neurosurgery</i> , 1986, 26, 435-440.	1.3	19
49	Local corticosteroid versus autologous blood injections in lateral epicondylitis: meta-analysis of randomized controlled trials. <i>European Journal of Physical and Rehabilitation Medicine</i> , 2017, 53, 483-491.	1.1	19
50	Parental Perception of Children's Weight Status: Love Overpasses Scientific Evidence! A Cross-Sectional Observational Study. <i>High Blood Pressure and Cardiovascular Prevention</i> , 2020, 27, 29-34.	1.0	16
51	The Microenvironment of Decellularized Extracellular Matrix from Heart Failure Myocardium Alters the Balance between Angiogenic and Fibrotic Signals from Stromal Primitive Cells. <i>International Journal of Molecular Sciences</i> , 2020, 21, 7903.	1.8	16
52	Development of a Stromal Microenvironment Experimental Model Containing Proto-Myofibroblast Like Cells and Analysis of Its Crosstalk with Melanoma Cells: A New Tool to Potentiate and Stabilize Tumor Suppressor Phenotype of Dermal Myofibroblasts. <i>Cells</i> , 2019, 8, 1435.	1.8	15
53	Prevalence of musculocutaneous nerve variations: Systematic review and meta-analysis. <i>Clinical Anatomy</i> , 2019, 32, 183-195.	1.5	14
54	The Italian law on body donation: A position paper of the Italian College of Anatomists. <i>Annals of Anatomy</i> , 2021, 238, 151761.	1.0	13

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55	Effect of Video Observation and Motor Imagery on Simple Reaction Time in Cadet Pilots. <i>Journal of Functional Morphology and Kinesiology</i> , 2020, 5, 89.	1.1	12
56	Expression and intracellular localization of Pyk2 in normal and v-src transformed chicken epiphyseal chondrocytes. <i>Biochimie</i> , 2006, 88, 77-84.	1.3	10
57	Granulocyte Macrophage-Colony Stimulating Factor receptor expression on human cardiomyocytes from end-stage heart failure patients. <i>European Journal of Heart Failure</i> , 2006, 8, 564-570.	2.9	10
58	Phorbol 12-myristate 13-acetate induces resistance of human melanoma cells to natural-killer-and lymphokine-activated-killer-mediated cytotoxicity. <i>Cancer Immunology, Immunotherapy</i> , 1992, 34, 272-278.	2.0	8
59	Enhanced expression of the receptor for granulocyte macrophage colony stimulating factor on dermal fibroblasts from scleroderma patients. <i>Journal of Rheumatology</i> , 2002, 29, 94-101.	1.0	8
60	Correlation between Official and Common Field-Based Fitness Tests in Elite Soccer Referees. <i>Journal of Functional Morphology and Kinesiology</i> , 2021, 6, 59.	1.1	5
61	A low-cost scalable 3D-printed sample-holder for agitation-based decellularization of biological tissues. <i>Medical Engineering and Physics</i> , 2020, 85, 7-15.	0.8	4
62	Isolation of Adult Human Dermal Fibroblasts from Abdominal Skin and Generation of Induced Pluripotent Stem Cells Using a Non-Integrating Method. <i>Journal of Visualized Experiments</i> , 2020, , .	0.2	4
63	Limited diagnostic value of questionnaire-based pre-participation screening algorithms: a "risk-exposed" approach to sports activity. <i>Journal of Basic and Clinical Physiology and Pharmacology</i> , 2022, 33, 655-663.	0.7	4
64	Generation and Characterization of a Tumor Stromal Microenvironment and Analysis of Its Interplay with Breast Cancer Cells: An In Vitro Model to Study Breast Cancer-Associated Fibroblast Inactivation. <i>International Journal of Molecular Sciences</i> , 2022, 23, 6875.	1.8	4
65	Non-modified RNA-Based Reprogramming of Human Dermal Fibroblasts into Induced Pluripotent Stem Cells. <i>Methods in Molecular Biology</i> , 2021, , 1.	0.4	0
66	Cardiac Stem Cells Derived from Epithelial-Mesenchymal Transition of the Epicardial Cells: Role in Heart Regeneration (Method). , 2012, , 109-115.		0