

Serena Zacchigna

List of Publications by Citations

Source: <https://exaly.com/author-pdf/815907/serena-zacchigna-publications-by-citations.pdf>

Version: 2024-04-27

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

105
papers

7,394
citations

41
h-index

85
g-index

120
ext. papers

8,651
ext. citations

10.6
avg, IF

5.64
L-index

#	Paper	IF	Citations
105	Functional screening identifies miRNAs inducing cardiac regeneration. <i>Nature</i> , 2012 , 492, 376-81	50.4	724
104	Anti-PLGF inhibits growth of VEGF(R)-inhibitor-resistant tumors without affecting healthy vessels. <i>Cell</i> , 2007 , 131, 463-75	56.2	666
103	The oxygen-rich postnatal environment induces cardiomyocyte cell-cycle arrest through DNA damage response. <i>Cell</i> , 2014 , 157, 565-79	56.2	461
102	Modification of kidney barrier function by the urokinase receptor. <i>Nature Medicine</i> , 2008 , 14, 55-63	50.5	410
101	Deficiency or inhibition of oxygen sensor Phd1 induces hypoxia tolerance by reprogramming basal metabolism. <i>Nature Genetics</i> , 2008 , 40, 170-80	36.3	383
100	Neurovascular signalling defects in neurodegeneration. <i>Nature Reviews Neuroscience</i> , 2008 , 9, 169-81	13.5	277
99	Vascular endothelial growth factor stimulates skeletal muscle regeneration in vivo. <i>Molecular Therapy</i> , 2004 , 10, 844-54	11.7	231
98	Virus-mediated gene delivery for human gene therapy. <i>Journal of Controlled Release</i> , 2012 , 161, 377-88	11.7	218
97	Further pharmacological and genetic evidence for the efficacy of PLGF inhibition in cancer and eye disease. <i>Cell</i> , 2010 , 141, 178-90	56.2	218
96	MicroRNA therapy stimulates uncontrolled cardiac repair after myocardial infarction in pigs. <i>Nature</i> , 2019 , 569, 418-422	50.4	194
95	Macrophage microRNA-155 promotes cardiac hypertrophy and failure. <i>Circulation</i> , 2013 , 128, 1420-32	16.7	190
94	VEGF gene therapy: therapeutic angiogenesis in the clinic and beyond. <i>Gene Therapy</i> , 2012 , 19, 622-9	4	165
93	Persistence of viral RNA, pneumocyte syncytia and thrombosis are hallmarks of advanced COVID-19 pathology. <i>EBioMedicine</i> , 2020 , 61, 103104	8.8	155
92	In vivo activation of a conserved microRNA program induces mammalian heart regeneration. <i>Cell Stem Cell</i> , 2014 , 15, 589-604	18	141
91	Cardiomyocyte VEGFR-1 activation by VEGF-B induces compensatory hypertrophy and preserves cardiac function after myocardial infarction. <i>FASEB Journal</i> , 2010 , 24, 1467-78	0.9	134
90	Systemic tumor necrosis factor-related apoptosis-inducing ligand delivery shows antiatherosclerotic activity in apolipoprotein E-null diabetic mice. <i>Circulation</i> , 2006 , 114, 1522-30	16.7	134
89	Loss of the cholesterol-binding protein prominin-1/CD133 causes disk dysmorphogenesis and photoreceptor degeneration. <i>Journal of Neuroscience</i> , 2009 , 29, 2297-308	6.6	132

88	Bone marrow mononuclear cells are recruited to the sites of VEGF-induced neovascularization but are not incorporated into the newly formed vessels. <i>Blood</i> , 2006 , 107, 3546-54	2.2	130
87	Induction of functional neovascularization by combined VEGF and angiopoietin-1 gene transfer using AAV vectors. <i>Molecular Therapy</i> , 2003 , 7, 450-9	11.7	112
86	Single-Dose Intracardiac Injection of Pro-Regenerative MicroRNAs Improves Cardiac Function After Myocardial Infarction. <i>Circulation Research</i> , 2017 , 120, 1298-1304	15.7	111
85	Inhibition of tumor angiogenesis and growth by a small-molecule multi-FGF receptor blocker with allosteric properties. <i>Cancer Cell</i> , 2013 , 23, 477-88	24.3	110
84	Adeno-associated virus-mediated transduction of VEGF165 improves cardiac tissue viability and functional recovery after permanent coronary occlusion in conscious dogs. <i>Circulation Research</i> , 2006 , 98, 954-61	15.7	104
83	Adeno-associated virus vectors as therapeutic and investigational tools in the cardiovascular system. <i>Circulation Research</i> , 2014 , 114, 1827-46	15.7	84
82	In vivo therapeutic potential of mesenchymal stromal cells depends on the source and the isolation procedure. <i>Stem Cell Reports</i> , 2015 , 4, 332-9	8	83
81	Pentraxin 3 inhibits fibroblast growth factor 2-dependent activation of smooth muscle cells in vitro and neointima formation in vivo. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2005 , 25, 1837-42	9.4	79
80	Intramyocardial VEGF-B167 gene delivery delays the progression towards congestive failure in dogs with pacing-induced dilated cardiomyopathy. <i>Circulation Research</i> , 2010 , 106, 1893-903	15.7	76
79	Paracrine effect of regulatory T cells promotes cardiomyocyte proliferation during pregnancy and after myocardial infarction. <i>Nature Communications</i> , 2018 , 9, 2432	17.4	76
78	Matrix-binding vascular endothelial growth factor (VEGF) isoforms guide granule cell migration in the cerebellum via VEGF receptor Flk1. <i>Journal of Neuroscience</i> , 2010 , 30, 15052-66	6.6	68
77	Bone marrow cells recruited through the neuropilin-1 receptor promote arterial formation at the sites of adult neovascularization in mice. <i>Journal of Clinical Investigation</i> , 2008 , 118, 2062-75	15.9	65
76	Inducible adeno-associated virus vectors promote functional angiogenesis in adult organisms via regulated vascular endothelial growth factor expression. <i>Cardiovascular Research</i> , 2009 , 83, 663-71	9.9	62
75	In vivo imaging shows abnormal function of vascular endothelial growth factor-induced vasculature. <i>Human Gene Therapy</i> , 2007 , 18, 515-24	4.8	59
74	VSV-G-Enveloped Vesicles for Traceless Delivery of CRISPR-Cas9. <i>Molecular Therapy - Nucleic Acids</i> , 2018 , 12, 453-462	10.7	55
73	AAV-mediated gene transfer of tissue inhibitor of metalloproteinases-1 inhibits vascular tumor growth and angiogenesis in vivo. <i>Cancer Gene Therapy</i> , 2004 , 11, 73-80	5.4	55
72	Common Regulatory Pathways Mediate Activity of MicroRNAs Inducing Cardiomyocyte Proliferation. <i>Cell Reports</i> , 2019 , 27, 2759-2771.e5	10.6	52
71	Terminal differentiation of cardiac and skeletal myocytes induces permissivity to AAV transduction by relieving inhibition imposed by DNA damage response proteins. <i>Molecular Therapy</i> , 2012 , 20, 2087-97	11.7	51

70	Similarities between angiogenesis and neural development: what small animal models can tell us. <i>Current Topics in Developmental Biology</i> , 2008 , 80, 1-55	5.3	50
69	AAV-mediated in vivo functional selection of tissue-protective factors against ischaemia. <i>Nature Communications</i> , 2015 , 6, 7388	17.4	49
68	A novel animal model to study non-spontaneous bisphosphonates osteonecrosis of jaw. <i>Journal of Oral Pathology and Medicine</i> , 2010 , 39, 390-6	3.3	48
67	Evidence for a proangiogenic activity of TNF-related apoptosis-inducing ligand. <i>Neoplasia</i> , 2004 , 6, 364-73.4	7.4	47
66	Epigenetic modification at Notch responsive promoters blunts efficacy of inducing notch pathway reactivation after myocardial infarction. <i>Circulation Research</i> , 2014 , 115, 636-49	15.7	46
65	Neuropilin-1 identifies a subset of bone marrow Gr1- monocytes that can induce tumor vessel normalization and inhibit tumor growth. <i>Cancer Research</i> , 2012 , 72, 6371-81	10.1	44
64	Endothelial cell-cardiomyocyte crosstalk in heart development and disease. <i>Journal of Physiology</i> , 2020 , 598, 2923-2939	3.9	41
63	Effect of class IV laser therapy on chemotherapy-induced oral mucositis: a clinical and experimental study. <i>American Journal of Pathology</i> , 2013 , 183, 1747-1757	5.8	40
62	Laser Therapy Inhibits Tumor Growth in Mice by Promoting Immune Surveillance and Vessel Normalization. <i>EBioMedicine</i> , 2016 , 11, 165-172	8.8	39
61	Extra- and intracellular factors regulating cardiomyocyte proliferation in postnatal life. <i>Cardiovascular Research</i> , 2014 , 102, 312-20	9.9	35
60	Improved survival of ischemic cutaneous and musculocutaneous flaps after vascular endothelial growth factor gene transfer using adeno-associated virus vectors. <i>American Journal of Pathology</i> , 2005 , 167, 981-91	5.8	32
59	Harnessing the microRNA pathway for cardiac regeneration. <i>Journal of Molecular and Cellular Cardiology</i> , 2015 , 89, 68-74	5.8	31
58	Taming the Notch Transcriptional Regulator for Cancer Therapy. <i>Molecules</i> , 2018 , 23,	4.8	30
57	Impaired autonomic regulation of resistance arteries in mice with low vascular endothelial growth factor or upon vascular endothelial growth factor trap delivery. <i>Circulation</i> , 2010 , 122, 273-81	16.7	30
56	Photobiomodulation at Multiple Wavelengths Differentially Modulates Oxidative Stress and. <i>Oxidative Medicine and Cellular Longevity</i> , 2018 , 2018, 6510159	6.7	30
55	Class IV laser therapy as treatment for chemotherapy-induced oral mucositis in onco-haematological paediatric patients: a prospective study. <i>International Journal of Paediatric Dentistry</i> , 2014 , 24, 441-9	3.1	29
54	Blue laser light inhibits biofilm formation in vitro and in vivo by inducing oxidative stress. <i>Npj Biofilms and Microbiomes</i> , 2019 , 5, 29	8.2	27
53	TRAIL shows potential cardioprotective activity. <i>Investigational New Drugs</i> , 2012 , 30, 1257-60	4.3	27

52	Vascular endothelial growth factor-B gene transfer exacerbates retinal and choroidal neovascularization and vasopermeability without promoting inflammation. <i>Molecular Vision</i> , 2011 , 17, 492-507	2.3	27
51	Chapter 20: Gene therapy perspectives for nerve repair. <i>International Review of Neurobiology</i> , 2009 , 87, 381-92	4.4	25
50	Towards standardization of echocardiography for the evaluation of left ventricular function in adult rodents: a position paper of the ESC Working Group on Myocardial Function. <i>Cardiovascular Research</i> , 2021 , 117, 43-59	9.9	25
49	Therapeutic Delivery of miR-148a Suppresses Ventricular Dilation in Heart Failure. <i>Molecular Therapy</i> , 2019 , 27, 584-599	11.7	24
48	Genome-wide RNAi screening identifies host restriction factors critical for in vivo AAV transduction. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015 , 112, 11276-81	11.5	22
47	Idiopathic dilated cardiomyopathy and persistent viral infection: lack of association in a controlled study using a quantitative assay. <i>Heart Lung and Circulation</i> , 2012 , 21, 787-93	1.8	20
46	Non-coding RNAs: update on mechanisms and therapeutic targets from the ESC Working Groups of Myocardial Function and Cellular Biology of the Heart. <i>Cardiovascular Research</i> , 2020 , 116, 1805-1819	9.9	18
45	In Vivo Functional Selection Identifies Cardiotrophin-1 as a Cardiac Engraftment Factor for Mesenchymal Stromal Cells. <i>Circulation</i> , 2017 , 136, 1509-1524	16.7	18
44	Enhanced athletic performance on multisite AAV-IGF1 gene transfer coincides with massive modification of the muscle proteome. <i>Human Gene Therapy</i> , 2012 , 23, 146-57	4.8	17
43	Short term effects of doxycycline on matrix metalloproteinases 2 and 9. <i>Cardiovascular Drugs and Therapy</i> , 2009 , 23, 153-9	3.9	17
42	Cardiac dysfunction in cancer patients: beyond direct cardiomyocyte damage of anticancer drugs: novel cardio-oncology insights from the joint 2019 meeting of the ESC Working Groups of Myocardial Function and Cellular Biology of the Heart. <i>Cardiovascular Research</i> , 2020 , 116, 1820-1834	9.9	17
41	miR-200 family members reduce senescence and restore idiopathic pulmonary fibrosis type II alveolar epithelial cell transdifferentiation. <i>ERJ Open Research</i> , 2019 , 5,	3.5	17
40	Transgene detection by digital droplet PCR. <i>PLoS ONE</i> , 2014 , 9, e111781	3.7	15
39	Analgesic effect of Photobiomodulation Therapy: An in vitro and in vivo study. <i>Journal of Biophotonics</i> , 2019 , 12, e201900043	3.1	12
38	Genetic lineage tracing reveals poor angiogenic potential of cardiac endothelial cells. <i>Cardiovascular Research</i> , 2021 , 117, 256-270	9.9	12
37	Lovastatin dose-dependently potentiates the pro-inflammatory activity of lipopolysaccharide both in vitro and in vivo. <i>Journal of Cardiovascular Translational Research</i> , 2013 , 6, 981-8	3.3	11
36	Potent inhibition of arterial intimal hyperplasia by TIMP1 gene transfer using AAV vectors. <i>Molecular Therapy</i> , 2004 , 9, 876-84	11.7	11
35	The diagnostic performance parameters of Narrow Band Imaging: A preclinical and clinical study. <i>Oral Oncology</i> , 2016 , 60, 130-6	4.4	10

34	Improved survival of rat ischemic cutaneous and musculocutaneous flaps after VEGF gene transfer. <i>Microsurgery</i> , 2007 , 27, 439-45	2.1	10
33	Persistence of viral RNA, widespread thrombosis and abnormal cellular syncytia are hallmarks of COVID-19 lung pathology		10
32	High-throughput screening discovers antifibrotic properties of haloperidol by hindering myofibroblast activation. <i>JCI Insight</i> , 2019 , 4,	9.9	9
31	Open questions and novel concepts in oral cancer surgery. <i>European Archives of Oto-Rhino-Laryngology</i> , 2016 , 273, 1975-85	3.5	8
30	Improving human interferon-beta production in mammalian cell lines by insertion of an intronic sequence within its naturally uninterrupted gene. <i>Biotechnology and Applied Biochemistry</i> , 2009 , 52, 191-8	2.8	8
29	TIM4 expression by dendritic cells mediates TIM uptake of tumor-associated antigens and anti-tumor responses. <i>Nature Communications</i> , 2021 , 12, 2237	17.4	8
28	Alternative splicing in endothelial cells: novel therapeutic opportunities in cancer angiogenesis. <i>Journal of Experimental and Clinical Cancer Research</i> , 2020 , 39, 275	12.8	7
27	Self-Assembled Nanomicelles as Curcumin Drug Delivery Vehicles: Impact on Solitary Fibrous Tumor Cell Protein Expression and Viability. <i>Molecular Pharmaceutics</i> , 2018 , 15, 4689-4701	5.6	7
26	Is early detection of late-onset Pompe disease a pneumologist's affair? A lesson from an Italian screening study. <i>Orphanet Journal of Rare Diseases</i> , 2019 , 14, 62	4.2	6
25	Same strategy for pitfalls of radiotherapy in different anatomical districts. <i>Lasers in Medical Science</i> , 2016 , 31, 471-9	3.1	6
24	Antimicrobial activity of amphiphilic nanomicelles loaded with curcumin against <i>Pseudomonas aeruginosa</i> alone and activated by blue laser light. <i>Journal of Biophotonics</i> , 2021 , 14, e202000350	3.1	6
23	Expression profiling of angiogenic genes for the characterisation of colorectal carcinoma. <i>European Journal of Cancer</i> , 2008 , 44, 1761-9	7.5	5
22	Reciprocal organ interactions during heart failure: a position paper from the ESC Working Group on Myocardial Function. <i>Cardiovascular Research</i> , 2021 , 117, 2416-2433	9.9	5
21	Campaign to Increase Awareness of Oral Cancer Risk Factors Among Preadolescents. <i>Journal of Cancer Education</i> , 2020 , 35, 616-620	1.8	4
20	A novel myogenic cell line with phenotypic properties of muscle progenitors. <i>Journal of Molecular Medicine</i> , 2008 , 86, 105-15	5.5	3
19	Animal models and animal-free innovations for cardiovascular research: current status and routes to be explored. Consensus document of the ESC working group on myocardial function and the ESC Working Group on Cellular Biology of the Heart.. <i>Cardiovascular Research</i> , 2022 ,	9.9	3
18	A Polyphenol-Rich Extract of Olive Mill Wastewater Enhances Cancer Chemotherapy Effects, While Mitigating Cardiac Toxicity. <i>Frontiers in Pharmacology</i> , 2021 , 12, 694762	5.6	3
17	The global role of biotechnology for non communicable disorders. <i>Journal of Biotechnology</i> , 2018 , 283, 115-119	3.7	2

16	AuthorsVreply. <i>American Journal of Pathology</i> , 2014 , 184, 1251-2	5.8	2
15	Bone morphogenetic protein 1.3 inhibition decreases scar formation and supports cardiomyocyte survival after myocardial infarction.. <i>Nature Communications</i> , 2022 , 13, 81	17.4	2
14	Is laser biostimulation safe even when performed in neoplastic fields?. <i>Journal of Clinical Oncology</i> , 2015 , 33, 3-3	2.2	2
13	Immune Cell Therapies to Improve Regeneration and Revascularization of Non-Healing Wounds. <i>International Journal of Molecular Sciences</i> , 2020 , 21,	6.3	2
12	Photobiomodulation modulates inflammation and oral microbiome: a pilot study. <i>Biomarkers</i> , 2020 , 25, 677-684	2.6	2
11	SARS-CoV-2, myocardial injury and inflammation: insights from a large clinical and autopsy study. <i>Clinical Research in Cardiology</i> , 2021 , 110, 1822-1831	6.1	2
10	A ligand-insensitive UNC5B splicing isoform regulates angiogenesis by promoting apoptosis. <i>Nature Communications</i> , 2021 , 12, 4872	17.4	2
9	A microRNA program regulates the balance between cardiomyocyte hyperplasia and hypertrophy and stimulates cardiac regeneration. <i>Nature Communications</i> , 2021 , 12, 4808	17.4	2
8	Angiogenesis in the Central Nervous System 2008 , 489-504		2
7	Cardiac revascularization: state of the art and perspectives. <i>Vascular Biology (Bristol, England)</i> , 2019 , 1, H47-H51	2.9	1
6	A new laser device for ultra-rapid and sustainable aerosol sterilization.. <i>Environment International</i> , 2022 , 164, 107272	12.9	0
5	Vascular and Neuronal Development: Intersecting Parallelisms and rossroads 2007 , 159-189		
4	Guidance of Vascular and Neuronal Network Formation 2008 , 47-65		
3	Laser therapy for radio-induced oral mucositis and skin dermatitis: Oral medicine, radiotherapy and oncology shared experience from the University of Trieste.. <i>Journal of Clinical Oncology</i> , 2015 , 33, 213-223	2.2	2
2	Neuropilin-1-Expressing Monocytes: Implications for Therapeutic Angiogenesis and Cancer Therapy 2017 , 213-224		
1	Wet-dry-wet drug screen leads to the synthesis of TS1, a novel compound reversing lung fibrosis through inhibition of myofibroblast differentiation.. <i>Cell Death and Disease</i> , 2021 , 13, 2	9.8	