Andre Terzic

List of Publications by Year
in descending order

360 papers	21,090 citations	7069 78 h-index	13338 130 g-index
366 all docs	366 docs citations	366 times ranked	19715 citing authors

#	Article	IF	Citations
1	Scaffold-Free Spheroids with Two-Dimensional Heteronano-Layers (2DHNL) Enabling Stem Cell and Osteogenic Factor Codelivery for Bone Repair. ACS Nano, 2022, 16, 2741-2755.	7.3	21
2	Diversity of respiratory parameters and metabolic adaptation to low oxygen tension in mesenchymal stromal cells. Metabolism Open, 2022, 13, 100167.	1.4	2
3	Sizeâ€dependent osteogenesis of black phosphorus in nanocomposite hydrogel scaffolds. Journal of Biomedical Materials Research - Part A, 2022, 110, 1488-1498.	2.1	6
4	Zinc-doped hydroxyapatite and poly(propylene fumarate) nanocomposite scaffold for bone tissue engineering. Journal of Materials Science, 2022, 57, 5998-6012.	1.7	4
5	KATP channel dependent heart multiome atlas. Scientific Reports, 2022, 12, 7314.	1.6	1
6	Aging-associated susceptibility to stress-induced ventricular arrhythmogenesis is attenuated by tetrodotoxin. Biochemical and Biophysical Research Communications, 2022, 623, 44-50.	1.0	0
7	Brachyury engineers cardiac repair competent stem cells. Stem Cells Translational Medicine, 2021, 10, 385-397.	1.6	9
8	TGF-Î² loaded exosome enhances ischemic wound healing <i>in vitro</i> and <i>in vivo</i>. Theranostics, 2021, 11, 6616-6631.	4.6	61
9	Evaluating Patients With Impaired Renal Function During Drug Development: Highlights From the 2019 US FDA Pharmaceutical Science and Clinical Pharmacology Advisory Committee Meeting. Clinical Pharmacology and Therapeutics, 2021, 110, 285-288.	2.3	9
10	Regenerative readiness: innovation meets sociology. Regenerative Medicine, 2021, 16, 189-195.	0.8	3
11	Regenerative medicine clinical readiness. Regenerative Medicine, 2021, 16, 309-322.	0.8	13
12	Black phosphorus incorporation modulates nanocomposite hydrogel properties and subsequent <scp>MC3T3</scp> cell attachment, proliferation, and differentiation. Journal of Biomedical Materials Research - Part A, 2021, 109, 1633-1645.	2.1	8
13	Emerging workforce readiness in regenerative healthcare. Regenerative Medicine, 2021, 16, 197-206.	0.8	4
14	Adenylate kinase AK2 isoform integral in embryo and adult heart homeostasis. Biochemical and Biophysical Research Communications, 2021, 546, 59-64.	1.0	12
15	Gas chromatography-mass spectrometry based 18O stable isotope labeling of Krebs cycle intermediates. Analytica Chimica Acta, 2021, 1154, 338325.	2.6	8
16	Secretome signature of cardiopoietic cells echoed in rescued infarcted heart proteome. Stem Cells Translational Medicine, 2021, 10, 1320-1328.	1.6	2
17	Screening for regenerative therapy responders in heart failure. Biomarkers in Medicine, 2021, 15, 775-783.	0.6	7
18	SDF-1Î±/OPF/BP Composites Enhance the Migrating and Osteogenic Abilities of Mesenchymal Stem Cells. Stem Cells International, 2021, 2021, 1-12.	1.2	4

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19	Injectable catalyst-free â€œclickâ€•organic-inorganic nanohybrid (click-ON) cement for minimally invasive in vivo bone repair. Biomaterials, 2021, 276, 121014.	5.7	18
20	Evidence generation and reproducibility in cell and gene therapy research: A call to action. Molecular Therapy - Methods and Clinical Development, 2021, 22, 11-14.	1.8	13
21	Longevity leap: mind the healthspan gap. Npj Regenerative Medicine, 2021, 6, 57.	2.5	55
22	Enhanced nerve cell proliferation and differentiation on electrically conductive scaffolds embedded with graphene and carbon nanotubes. Journal of Biomedical Materials Research - Part A, 2021, 109, 193-206.	2.1	33
23	Mass Customized Outlook for Regenerative Heart Failure Care. International Journal of Molecular Sciences, 2021, 22, 11394.	1.8	3
24	Deleterious mtDNA mutations are common in mature oocytes. Biology of Reproduction, 2020, 102, 607-619.	1.2	15
25	Ventricular remodeling in ischemic heart failure stratifies responders to stem cell therapy. Stem Cells Translational Medicine, 2020, 9, 74-79.	1.6	15
26	CELLTOP Clinical Trial: First Report From a Phase 1 Trial of Autologous Adipose Tissueâ€“Derived Mesenchymal Stem Cells in the Treatment of Paralysis Due to Traumatic Spinal Cord Injury. Mayo Clinic Proceedings, 2020, 95, 406-414.	1.4	66
27	Larger End-Diastolic Volume Associates With Response to Cell Therapy in Patients With Nonischemic Dilated Cardiomyopathy. Mayo Clinic Proceedings, 2020, 95, 2125-2133.	1.4	7
28	Cardiopoietic stem cell therapy in ischaemic heart failure: longâ€term clinical outcomes. ESC Heart Failure, 2020, 7, 3345-3354.	1.4	23
29	Digital regenerative medicine and surgery pedagogy for virtual learning in the time of COVID-19. Regenerative Medicine, 2020, 15, 1937-1941.	0.8	8
30	[89Zr]Zr-DBN labeled cardiopoietic stem cells proficient for heart failure. Nuclear Medicine and Biology, 2020, 90-91, 23-30.	0.3	14
31	Stem cell preservation for regenerative therapies: ethical and governance considerations for the health care sector. Npj Regenerative Medicine, 2020, 5, 23.	2.5	8
32	Gastroepiploic vascularized lymph node transfer for the treatment of extremity lymphedema: comparison between middle and distal inset. Gland Surgery, 2020, 9, 528-538.	0.5	13
33	3D-printed scaffolds with carbon nanotubes for bone tissue engineering: Fast and homogeneous one-step functionalization. Acta Biomaterialia, 2020, 111, 129-140.	4.1	69
34	Cardiopoietic stem cell therapy restores infarction-altered cardiac proteome. Npj Regenerative Medicine, 2020, 5, 5.	2.5	21
35	Robotic-Assisted DIEP Flap Harvest for Autologous Breast Reconstruction: A Comparative Feasibility Study on a Cadaveric Model. Journal of Reconstructive Microsurgery, 2020, 36, 362-368.	1.0	14
36	Decoding Sex-Biased Gene Expression Patterns in Heart Disease. Mayo Clinic Proceedings, 2020, 95, 636-638.	1.4	0

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37	Adenylate Kinase and Metabolic Signaling in Cancer Cells. Frontiers in Oncology, 2020, 10, 660.	1.3	39
38	In Utero Restoration of Hindbrain Herniation in Fetal Myelomeningocele as Part of Prenatal Regenerative Therapy Program at Mayo Clinic. Mayo Clinic Proceedings, 2020, 95, 738-746.	1.4	7
39	A Graduate-Level Interdisciplinary Curriculum in CAR-T Cell Therapy. Mayo Clinic Proceedings Innovations, Quality & Outcomes, 2020, 4, 203-210.	1.2	10
40	Regenerative outlook: offering global solutions for equitable care. Regenerative Medicine, 2020, 15, 2249-2252.	0.8	8
41	Regenerative medicine lexicon. Regenerative Medicine, 2020, 15, 2325-2328.	0.8	6
42	Patient-specific genomics and cross-species functional analysis implicate LRP2 in hypoplastic left heart syndrome. ELife, 2020, 9, .	2.8	29
43	M³RNA Drives Targeted Gene Delivery in Acute Myocardial Infarction. Tissue Engineering - Part A, 2019, 25, 145-158.	1.6	18
44	Targeted Derivation of Organotypic Glucose- and GLP-1-Responsive Î² Cells Prior to Transplantation into Diabetic Recipients. Stem Cell Reports, 2019, 13, 307-321.	2.3	3
45	Building the regenerative medicine workforce of the future: an educational imperative. Regenerative Medicine, 2019, 14, 613-615.	0.8	13
46	The Regenerative Horizon: Opportunities for Nursing Research and Practice. Journal of Nursing Scholarship, 2019, 51, 651-660.	1.1	4
47	Path Toward Proactive Therapy for Patent Ductus Arteriosus. Clinical Pharmacology and Therapeutics, 2019, 106, 1187-1190.	2.3	1
48	Two-Dimensional Black Phosphorus and Graphene Oxide Nanosheets Synergistically Enhance Cell Proliferation and Osteogenesis on 3D Printed Scaffolds. ACS Applied Materials & Interfaces, 2019, 11, 23558-23572.	4.0	101
49	Human pre-valvular endocardial cells derived from pluripotent stem cells recapitulate cardiac pathophysiological valvulogenesis. Nature Communications, 2019, 10, 1929.	5.8	60
50	Regeneration for All: An Odyssey in Biotherapy. European Heart Journal, 2019, 40, 1033-1035.	1.0	25
51	Regenerative medicine curriculum for next-generation physicians. Npj Regenerative Medicine, 2019, 4, 3.	2.5	29
52	Regenerative Prophylaxis <i>In Utero</i>. Clinical Pharmacology and Therapeutics, 2019, 105, 39-41.	2.3	5
53	Strontiumâ€substituted hydroxyapatite stimulates osteogenesis on poly(propylene fumarate) nanocomposite scaffolds. Journal of Biomedical Materials Research - Part A, 2019, 107, 631-642.	2.1	22
54	Health Care Evolves From Reactive to Proactive. Clinical Pharmacology and Therapeutics, 2019, 105, 10-13.	2.3	26

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55	Sarcolemmal Î±2-adrenoceptors in feedback control of myocardial response to sympathetic challenge. , 2019, 197, 179-190.		12
56	First-in-Human Use of a Retention-Enhanced Catheter for Endomyocardial Cell Delivery. JACC: Cardiovascular Interventions, 2018, 11, 412-414.	1.1	6
57	Induced Pluripotent Stem Cells for Cardiovascular Disease Modeling and Precision Medicine: A Scientific Statement From the American Heart Association. Circulation Genomic and Precision Medicine, 2018, 11, e000043.	1.6	159
58	Process Improvement for Maximized Therapeutic Innovation Outcome. Clinical Pharmacology and Therapeutics, 2018, 103, 8-12.	2.3	5
59	Regenerative Musculoskeletal Care: Ensuring Practice Implementation. Clinical Pharmacology and Therapeutics, 2018, 103, 50-53.	2.3	6
60	Fetoscopic Therapy for Severe Pulmonary Hypoplasia in Congenital Diaphragmatic Hernia: A First in Prenatal Regenerative Medicine at Mayo Clinic. Mayo Clinic Proceedings, 2018, 93, 693-700.	1.4	21
61	The murine dialysis fistula model exhibits a senescence phenotype: pathobiological mechanisms and therapeutic potential. American Journal of Physiology - Renal Physiology, 2018, 315, F1493-F1499.	1.3	26
62	Effective nerve cell modulation by electrical stimulation of carbon nanotube embedded conductive polymeric scaffolds. Biomaterials Science, 2018, 6, 2375-2385.	2.6	73
63	Clinical Experience With Regenerative Therapy in Heart Failure. Circulation Research, 2018, 122, 1344-1346.	2.0	19
64	Cardiopoietic cell therapy for advanced ischemic heart failure: results at 39 weeks of the prospective, randomized, double blind, sham-controlled CHART-1 clinical trial. European Heart Journal, 2017, 38, ehw543.	1.0	148
65	Functionalized Carbon Nanotube and Graphene Oxide Embedded Electrically Conductive Hydrogel Synergistically Stimulates Nerve Cell Differentiation. ACS Applied Materials & Interfaces, 2017, 9, 14677-14690.	4.0	179
66	Benefit of cardiopoietic mesenchymal stem cell therapy on left ventricular remodelling: results from the Congestive Heart Failure Cardiopoietic Regenerative Therapy (CHARTâ€1) study. European Journal of Heart Failure, 2017, 19, 1520-1529.	2.9	89
67	Insulin-like peptide 3 expressed in the silkworm possesses intrinsic disulfide bonds and full biological activity. Scientific Reports, 2017, 7, 17339.	1.6	2
68	Posology for Regenerative Therapy. Circulation Research, 2017, 121, 1213-1215.	2.0	9
69	Conventional and unconventional secretory proteins expressed with silkworm bombyxin signal peptide display functional fidelity. Scientific Reports, 2017, 7, 14499.	1.6	2
70	Make regeneration great again; stronger together. European Heart Journal, 2017, 38, 1094-1095.	1.0	8
71	Global position paper on cardiovascular regenerative medicine. European Heart Journal, 2017, 38, 2532-2546.	1.0	133
72	Store-operated Ca2+ entry supports contractile function in hearts of hibernators. PLoS ONE, 2017, 12, e0177469.	1.1	23

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73	Age-Related Accumulation of Somatic Mitochondrial DNA Mutations in Adult-Derived Human iPSCs. Cell Stem Cell, 2016, 18, 625-636.	5.2	190
74	Covalent crosslinking of graphene oxide and carbon nanotube into hydrogels enhances nerve cell responses. Journal of Materials Chemistry B, 2016, 4, 6930-6941.	2.9	63
75	Congestive Heart Failure Cardiopoietic Regenerative Therapy (<scp>CHART</scp>â€1) trial design. European Journal of Heart Failure, 2016, 18, 160-168.	2.9	77
76	Clinical development plan for regenerative therapy in heart failure. European Journal of Heart Failure, 2016, 18, 142-144.	2.9	11
77	Proteomic Network Systems Analysis. , 2016, , 321-342.		2
78	Mapping transcriptome profiles of in vitro iPSC-derived cardiac differentiation to in utero heart development. Genomics Data, 2016, 7, 129-130.	1.3	1
79	Tumor-Free Transplantation of Patient-Derived Induced Pluripotent Stem Cell Progeny for Customized Islet Regeneration. Stem Cells Translational Medicine, 2016, 5, 694-702.	1.6	31
80	Energy metabolism in the acquisition and maintenance of stemness. Seminars in Cell and Developmental Biology, 2016, 52, 68-75.	2.3	97
81	Stem cell therapy for heart failure: Ensuring regenerative proficiency. Trends in Cardiovascular Medicine, 2016, 26, 395-404.	2.3	62
82	Calreticulin secures calcium-dependent nuclear pore competency required for cardiogenesis. Journal of Molecular and Cellular Cardiology, 2016, 92, 63-74.	0.9	11
83	Repetition rescues regenerative reserve. European Heart Journal, 2016, 37, 1667-1670.	1.0	5
84	Mitochondria in pluripotent stem cells: stemness regulators and disease targets. Current Opinion in Genetics and Development, 2016, 38, 1-7.	1.5	41
85	Cardiopoietic Stem Cells for Heart Failure Therapy. , 2016, , 235-241.		0
86	1Î±,25-Dihydroxyvitamin D3 Regulates Mitochondrial Oxygen Consumption and Dynamics in Human Skeletal Muscle Cells. Journal of Biological Chemistry, 2016, 291, 1514-1528.	1.6	164
87	Decreased Osteogenic Activity of Mesenchymal Stem Cells in Patients With Corticosteroid-Induced Osteonecrosis of the Femoral Head. Journal of Arthroplasty, 2016, 31, 893-898.	1.5	87
88	Regenerative Chimerism Bioengineered Through Stem Cell Reprogramming. , 2016, , 41-64.		0
89	CardioPulse: Regenerative medicine in the practice of cardiology. European Heart Journal, 2016, 37, 1089-90.	1.0	7
90	Cardiac Resynchronization Therapy Induces Adaptive Metabolic Transitions in the Metabolomic Profile of Heart Failure. Journal of Cardiac Failure, 2015, 21, 460-469.	0.7	55

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91	Endpoints in stem cell trials in ischemic heart failure. Stem Cell Research and Therapy, 2015, 6, 159.	2.4	16
92	Decline of Phosphotransfer and Substrate Supply Metabolic Circuits Hinders ATP Cycling in Aging Myocardium. PLoS ONE, 2015, 10, e0136556.	1.1	15
93	Human umbilical cord blood-derived mononuclear cells improve murine ventricular function upon intramyocardial delivery in right ventricular chronic pressure overload. Stem Cell Research and Therapy, 2015, 6, 50.	2.4	29
94	Cholesterol-derived glucocorticoids control early fate specification in embryonic stem cells. Stem Cell Research, 2015, 15, 88-95.	0.3	5
95	Regenerative Therapy Prevents Heart Failure Progression in Dyssynchronous Nonischemic Narrow QRS Cardiomyopathy. Journal of the American Heart Association, 2015, 4, .	1.6	18
96	Metabolic determinants of embryonic development and stem cell fate. Reproduction, Fertility and Development, 2015, 27, 82.	0.1	58
97	Stem Cells Versus Senescence. Journal of the American College of Cardiology, 2015, 65, 148-150.	1.2	15
98	Adipose-derived Mesenchymal Stem Cells Are Phenotypically Superior for Regeneration in the Setting of Osteonecrosis of the Femoral Head. Clinical Orthopaedics and Related Research, 2015, 473, 3080-3090.	0.7	47
99	Antiobesity Strategy Targets Energy Economy Safeguards. Molecular Therapy, 2015, 23, 615-616.	3.7	0
100	Safety and Feasibility for Pediatric Cardiac Regeneration Using Epicardial Delivery of Autologous Umbilical Cord Blood-Derived Mononuclear Cells Established in a Porcine Model System. Stem Cells Translational Medicine, 2015, 4, 195-206.	1.6	22
101	Metabolic rescue in pluripotent cells from patients with mtDNA disease. Nature, 2015, 524, 234-238.	13.7	166
102	Companion diagnostics at the intersection of personalized medicine and healthcare delivery. Biomarkers in Medicine, 2015, 9, 1-3.	0.6	12
103	Systems biology surveillance decrypts pathological transcriptome remodeling. BMC Systems Biology, 2015, 9, 36.	3.0	2
104	Cardiopoietic index predicts heart repair fitness of patient-derived stem cells. Biomarkers in Medicine, 2015, 9, 639-649.	0.6	15
105	Phosphorylation of Ser-204 and Tyr-405 in human malonyl-CoA decarboxylase expressed in silkworm Bombyx mori regulates catalytic decarboxylase activity. Applied Microbiology and Biotechnology, 2015, 99, 8977-8986.	1.7	3
106	Induced pluripotent stem cells for cardiovascular disease: from product-focused disease modeling to process-focused disease discovery. Regenerative Medicine, 2015, 10, 773-783.	0.8	5
107	Translating stem cell research to the clinic: a primer on translational considerations for your first stem cell protocol. Stem Cell Research and Therapy, 2015, 6, 146.	2.4	14
108	Transformative Impact of Proteomics on Cardiovascular Health and Disease. Circulation, 2015, 132, 852-872.	1.6	140

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109	Regenerative Medicine Build-Out. Stem Cells Translational Medicine, 2015, 4, 1373-1379.	1.6	54
110	Nos3âˆ’/âˆ’ iPSCs model concordant signatures of in utero cardiac pathogenesis. Journal of Molecular and Cellular Cardiology, 2015, 87, 228-236.	0.9	3
111	Concise Review: Growing Hearts in the Right Place: On the Design of Biomimetic Materials for Cardiac Stem Cell Differentiation. Stem Cells, 2015, 33, 1021-1035.	1.4	26
112	Systems-Based Technologies in Profiling the Stem Cell Molecular Framework for Cardioregenerative Medicine. Stem Cell Reviews and Reports, 2015, 11, 501-510.	5.6	4
113	Transcriptional atlas of cardiogenesis maps congenital heart disease interactome. Physiological Genomics, 2014, 46, 482-495.	1.0	47
114	Stem Cell in the Rough. Circulation Research, 2014, 115, 814-816.	2.0	12
115	Inhibition of DNA Topoisomerase II Selectively Reduces the Threat of Tumorigenicity Following Induced Pluripotent Stem Cell-Based Myocardial Therapy. Stem Cells and Development, 2014, 23, 2274-2282.	1.1	23
116	iPS Cellâ€“Derived Cardiogenicity is Hindered by Sustained Integration of Reprogramming Transgenes. Circulation: Cardiovascular Genetics, 2014, 7, 667-676.	5.1	10
117	Adenylate Kinase Isoform Network: A Major Hub in Cell Energetics and Metabolic Signaling. Springer Series in Biophysics, 2014, , 145-162.	0.4	6
118	ABCC9 is a novel Brugada and early repolarization syndrome susceptibility gene. International Journal of Cardiology, 2014, 171, 431-442.	0.8	113
119	Policies to aid the adoption of personalized medicine. Nature Reviews Drug Discovery, 2014, 13, 159-160.	21.5	9
120	Cell therapy for cardiac repairâ€”lessons from clinical trials. Nature Reviews Cardiology, 2014, 11, 232-246.	6.1	261
121	Regenerative heart failure therapy headed for optimization. European Heart Journal, 2014, 35, 1231-1234.	1.0	35
122	Reparative resynchronization in ischemic heart failure: an emerging strategy. Expert Opinion on Biological Therapy, 2014, 14, 1055-1060.	1.4	1
123	Regenerative Principles Enrich Cardiac Rehabilitation Practice. American Journal of Physical Medicine and Rehabilitation, 2014, 93, S169-S175.	0.7	5
124	Metabolic Regulation of Redox Status in Stem Cells. Antioxidants and Redox Signaling, 2014, 21, 1648-1659.	2.5	54
125	Concise Review: Pluripotent Stem Cell-Based Regenerative Applications for Failing <i>Î²</i>-Cell Function. Stem Cells Translational Medicine, 2014, 3, 653-661.	1.6	22
126	Translation of regenerative technologies into clinical paradigms. Nature Reviews Cardiology, 2014, 11, 554-554.	6.1	0

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127	Selection Via Pluripotency-Related Transcriptional Screen Minimizes the Influence of Somatic Origin on iPSC Differentiation Propensity. Stem Cells, 2014, 32, 2350-2359.	1.4	10
128	Stem Cell Lineage Specification: You Become What You Eat. Cell Metabolism, 2014, 20, 389-391.	7.2	7
129	Human acetyl-CoA carboxylase 2 expressed in silkworm Bombyx mori exhibits posttranslational biotinylation and phosphorylation. Applied Microbiology and Biotechnology, 2014, 98, 8201-8209.	1.7	8
130	Advances in Induced Pluripotent Stem Cells, Genomics, Biomarkers, and Antiplatelet Therapy Highlights of the Year in JCTR 2013. Journal of Cardiovascular Translational Research, 2014, 7, 518-525.	1.1	3
131	Transcriptome from circulating cells suggests dysregulated pathways associated with long-term recurrent events following first-time myocardial infarction. Journal of Molecular and Cellular Cardiology, 2014, 74, 13-21.	0.9	73
132	Lipid Metabolism Greases the Stem Cell Engine. Cell Metabolism, 2013, 17, 153-155.	7.2	35
133	Increased expression of BubR1 protects against aneuploidy and cancer and extends healthy lifespan. Nature Cell Biology, 2013, 15, 96-102.	4.6	229
134	Spot14/Mig12 heterocomplex sequesters polymerization and restrains catalytic function of human acetylâ€CoA carboxylase 2. Journal of Molecular Recognition, 2013, 26, 679-688.	1.1	25
135	Metabolome and metaboproteome remodeling in nuclear reprogramming. Cell Cycle, 2013, 12, 2355-2365.	1.3	31
136	Regenerative Medicine Blueprint. Stem Cells and Development, 2013, 22, 20-24.	1.1	27
137	Genetics and Genomics for the Prevention and Treatment of Cardiovascular Disease: Update. Circulation, 2013, 128, 2813-2851.	1.6	100
138	Reply. Journal of the American College of Cardiology, 2013, 62, 2454-2456.	1.2	17
139	Introduction to the Symposium on Regenerative Medicine. Mayo Clinic Proceedings, 2013, 88, 645-646.	1.4	4
140	Nuclear Reprogramming with c-Myc Potentiates Glycolytic Capacity of Derived Induced Pluripotent Stem Cells. Journal of Cardiovascular Translational Research, 2013, 6, 10-21.	1.1	48
141	Disease-Causing Mitochondrial Heteroplasmy Segregated Within Induced Pluripotent Stem Cell Clones Derived from a Patient with MELAS. Stem Cells, 2013, 31, 1298-1308.	1.4	112
142	Induced pluripotent stem cell intervention rescues ventricular wall motion disparity, achieving biological cardiac resynchronization postâ€infarction. Journal of Physiology, 2013, 591, 4335-4349.	1.3	37
143	Regenerative Medicine Primer. Mayo Clinic Proceedings, 2013, 88, 766-775.	1.4	46
144	Cardiopoietic Stem Cell Therapy in Heart Failure. Journal of the American College of Cardiology, 2013, 61, 2329-2338.	1.2	427

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145	CXCR4+ and FLK-1+ Identify Circulating Cells Associated with Improved Cardiac Function in Patients Following Myocardial Infarction. Journal of Cardiovascular Translational Research, 2013, 6, 787-797.	1.1	8
146	Substrate-Guided Proteomics Enhances Degradome Resolution. Circulation: Cardiovascular Genetics, 2013, 6, 7-9.	5.1	0
147	Translational medicine individualizes healthcare discovery, development and delivery. Biomarkers in Medicine, 2013, 7, 1-3.	0.6	8
148	Mechanical Dyssynchrony Precedes QRS Widening in ATPâ€Sensitive K ⁺ Channelâ€“Deficient Dilated Cardiomyopathy. Journal of the American Heart Association, 2013, 2, e000410.	1.6	17
149	Natural Cardiogenesis-Based Template Predicts Cardiogenic Potential of Induced Pluripotent Stem Cell Lines. Circulation: Cardiovascular Genetics, 2013, 6, 462-471.	5.1	17
150	Optimized Delivery System Achieves Enhanced Endomyocardial Stem Cell Retention. Circulation: Cardiovascular Interventions, 2013, 6, 710-718.	1.4	41
151	Stem cell systems informatics for advanced clinical biodiagnostics: tracing molecular signatures from bench to bedside. Croatian Medical Journal, 2013, 54, 319-329.	0.2	4
152	Stem Cell Therapy for Ischemic Heart Disease. , 2013, , 449-465.		2
153	Cardiac ATP-Sensitive Potassium Channels and Associated Channelopathies. , 2013, , 245-258.		0
154	Regenerative Chimerism Bioengineered Through Stem Cell Reprogramming. , 2013, , 505-528.		0
155	Mitochondria in Control of Cell Fate. Circulation Research, 2012, 110, 526-529.	2.0	86
156	Dynamic phosphometabolomic profiling of human tissues and transgenic models by¹⁸O-assisted³¹P NMR and mass spectrometry. Physiological Genomics, 2012, 44, 386-402.	1.0	34
157	Systems Proteomics for Translational Network Medicine. Circulation: Cardiovascular Genetics, 2012, 5, 478-478.	5.1	24
158	Apoptotic Susceptibility to DNA Damage of Pluripotent Stem Cells Facilitates Pharmacologic Purging of Teratoma Risk. Stem Cells Translational Medicine, 2012, 1, 709-718.	1.6	36
159	Metabolic Plasticity in Stem Cell Homeostasis and Differentiation. Cell Stem Cell, 2012, 11, 596-606.	5.2	561
160	Compartmentation of membrane processes and nucleotide dynamics in diffusion-restricted cardiac cell microenvironment. Journal of Molecular and Cellular Cardiology, 2012, 52, 401-409.	0.9	38
161	Cardiac Subsarcolemmal and Interfibrillar Mitochondria Display Distinct Responsiveness to Protection by Diazoxide. PLoS ONE, 2012, 7, e44667.	1.1	48
162	Electron spray ionization mass spectrometry and 2D 31P NMR for monitoring 18O/16O isotope exchange and turnover rates of metabolic oligophosphates. Analytical and Bioanalytical Chemistry, 2012, 403, 697-706.	1.9	13

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163	Energy metabolism plasticity enables stemness programs. Annals of the New York Academy of Sciences, 2012, 1254, 82-89.	1.8	83
164	The Value Proposition of Molecular Medicine. Clinical and Translational Science, 2012, 5, 108-110.	1.5	8
165	Reprogrammed keratinocytes from elderly type 2 diabetes patients suppress senescence genes to acquire induced pluripotency. Aging, 2012, 4, 60-73.	1.4	81
166	18O-assisted dynamic metabolomics for individualized diagnostics and treatment of human diseases. Croatian Medical Journal, 2012, 53, 529-534.	0.2	26
167	Regenerative Medicine: On the Vanguard of Health Care. Mayo Clinic Proceedings, 2011, 86, 600-602.	1.4	18
168	Somatic Oxidative Bioenergetics Transitions into Pluripotency-Dependent Glycolysis to Facilitate Nuclear Reprogramming. Cell Metabolism, 2011, 14, 264-271.	7.2	866
169	Regenerative Chimerism Bioengineered Through Stem Cell Reprogramming. , 2011, , 445-468.		0
170	MicroRNA Signatures as Diagnostic and Therapeutic Targets. Laboratory Medicine Online, 2011, 1, 1.	0.0	0
171	Developmental Enhancement of Adenylate Kinase-AMPK Metabolic Signaling Axis Supports Stem Cell Cardiac Differentiation. PLoS ONE, 2011, 6, e19300.	1.1	56
172	Platelet Lysate Consisting of a Natural Repair Proteome Supports Human Mesenchymal Stem Cell Proliferation and Chromosomal Stability. Cell Transplantation, 2011, 20, 797-812.	1.2	194
173	Clinical Translational Science 2020: Disruptive Innovation Redefines the Discoveryâ€Application Enterprise. Clinical and Translational Science, 2011, 4, 69-71.	1.5	10
174	Chronic Diseases: The Emerging Pandemic. Clinical and Translational Science, 2011, 4, 225-226.	1.5	115
175	31P NMR correlation maps of 18O/16O chemical shift isotopic effects for phosphometabolite labeling studies. Journal of Biomolecular NMR, 2011, 50, 237-245.	1.6	11
176	Nuclear Reprogramming Strategy Modulates Differentiation Potential of Induced Pluripotent Stem Cells. Journal of Cardiovascular Translational Research, 2011, 4, 131-137.	1.1	24
177	Heart Failure Transcriptome. Circulation: Cardiovascular Genetics, 2011, 4, 469-471.	5.1	3
178	Advances in Cardiac ATP-Sensitive K + Channelopathies From Molecules to Populations. Circulation: Arrhythmia and Electrophysiology, 2011, 4, 577-585.	2.1	10
179	KATP channel-dependent metaboproteome decoded: systems approaches to heart failure prediction, diagnosis, and therapy. Cardiovascular Research, 2011, 90, 258-266.	1.8	23
180	Energy metabolism in nuclear reprogramming. Biomarkers in Medicine, 2011, 5, 715-729.	0.6	49

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181	Regional and systemic hemodynamic responses following the creation of a murine arteriovenous fistula. American Journal of Physiology - Renal Physiology, 2011, 301, F845-F851.	1.3	21
182	Patient-centric clinical pharmacology advances the path to personalized medicine. Biomarkers in Medicine, 2011, 5, 697-700.	0.6	11
183	Induced Pluripotent Cells for Myocardial Infarction Repair. , 2011, , 263-280.		0
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