

Anthony J Atala

List of Publications by Year in descending order

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Version: 2024-02-01

676
papers

57,321
citations

729

120
h-index

1527

218
g-index

701
all docs

701
docs citations

701
times ranked

36945
citing authors

#	ARTICLE	IF	CITATIONS
1	Extracellular vesicles from three dimensional culture of human placental mesenchymal stem cells ameliorated renal ischemia/reperfusion injury. <i>International Journal of Artificial Organs</i> , 2022, 45, 181-192.	0.7	25
2	Bioreactor design and validation for manufacturing strategies in tissue engineering. <i>Bio-Design and Manufacturing</i> , 2022, 5, 43-63.	3.9	21
3	Nephroprotective effect of urine-derived stem cells for renal injury. , 2022, , 161-167.		0
4	Bioink Printability Methodologies for Cell-Based Extrusion Bioprinting. , 2022, , 153-183.		2
5	Engineered solutions for urethral stricture disease: from bench to bedside. , 2022, , 197-225.		0
6	Bioink materials for translational applications. <i>MRS Bulletin</i> , 2022, 47, 80-90.	1.7	3
7	Targeting DNA polymerase to DNA double-strand breaks reduces DNA deletion size and increases templated insertions generated by CRISPR/Cas9. <i>Nucleic Acids Research</i> , 2022, 50, 3944-3957.	6.5	12
8	Bioprinting small diameter vascular vessel with endothelium and smooth muscle by the approach of two step crosslinking process. <i>Biotechnology and Bioengineering</i> , 2022, 119, 1673-1684.	1.7	6
9	Medical 3D Printing: Tools and Techniques, Today and Tomorrow. <i>Annual Review of Chemical and Biomolecular Engineering</i> , 2022, 13, 481-499.	3.3	11
10	Regenerative Medicine Therapies for Prevention of Abdominal Adhesions: A Scoping Review. <i>Journal of Surgical Research</i> , 2022, 275, 252-264.	0.8	6
11	In Vitro Propagation of XXY Undifferentiated Mouse Spermatogonia: Model for Fertility Preservation in Klinefelter Syndrome Patients. <i>International Journal of Molecular Sciences</i> , 2022, 23, 173.	1.8	5
12	Developing all-in-one virus-like particles for Cas9 mRNA/single guide RNA co-delivery and aptamer-containing lentiviral vectors for improved gene expression. <i>International Journal of Biological Macromolecules</i> , 2022, 209, 1260-1270.	3.6	9
13	Differentiation Capacity of Human Urine-Derived Stem Cells to Retain Telomerase Activity. <i>Frontiers in Cell and Developmental Biology</i> , 2022, 10, .	1.8	10
14	Comparison Study of Stem Cell-Derived Extracellular Vesicles for Enhanced Osteogenic Differentiation. <i>Tissue Engineering - Part A</i> , 2021, 27, 1044-1054.	1.6	14
15	Microfluidic devices for studying coagulation biology. <i>Seminars in Cell and Developmental Biology</i> , 2021, 112, 1-7.	2.3	11
16	Frontiers in urethra regeneration: current state and future perspective. <i>Biomedical Materials (Bristol)</i> , 2021, 16, 042004.	1.7	3
17	Self-Assembling Peptide Solution Accelerates Hemostasis. <i>Advances in Wound Care</i> , 2021, 10, 191-203.	2.6	9
18	Virtual surgery residency selection: Strategies for programs and candidates. <i>American Journal of Surgery</i> , 2021, 221, 59-61.	0.9	15

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19	Automated Image Analysis Methodologies to Compute Bioink Printability. <i>Advanced Engineering Materials</i> , 2021, 23, 2000900.	1.6	7
20	A photo-crosslinkable cartilage-derived extracellular matrix bioink for auricular cartilage tissue engineering. <i>Acta Biomaterialia</i> , 2021, 121, 193-203.	4.1	81
21	Pelvic floor muscle function recovery using biofabricated tissue constructs with neuromuscular junctions. <i>Acta Biomaterialia</i> , 2021, 121, 237-249.	4.1	8
22	The potential toxic effects of magnesium oxide nanoparticles and valproate on liver tissue. <i>Journal of Biochemical and Molecular Toxicology</i> , 2021, 35, e22676.	1.4	12
23	Regen med therapeutic opportunities for fighting COVID-19. <i>Stem Cells Translational Medicine</i> , 2021, 10, 5-13.	1.6	12
24	Fertility preservation for pediatric male cancer patients: illustrating contemporary and future options; a case report. <i>Translational Andrology and Urology</i> , 2021, 10, 520-526.	0.6	5
25	Engineering of the Bladder and Urethra. , 2021, , 1-26.		0
26	Acceleration of tissue maturation by mechanotransduction-based bioprinting. <i>Physical Review Research</i> , 2021, 3, .	1.3	6
27	<i>STEM CELLS Translational Medicine</i>: A Decade of Evolution to a Vibrant Stem Cell and Regenerative Medicine Global Community. <i>Stem Cells Translational Medicine</i> , 2021, 10, 157-159.	1.6	1
28	Tissue-Engineered Renal Tissue. <i>Reference Series in Biomedical Engineering</i> , 2021, , 233-257.	0.1	0
29	3D scaffold-free microlivers with drug metabolic function generated by lineage-reprogrammed hepatocytes from human fibroblasts. <i>Biomaterials</i> , 2021, 269, 120668.	5.7	11
30	Optimized culture system to maximize ovarian cell growth and functionality in vitro. <i>Cell and Tissue Research</i> , 2021, 385, 161-171.	1.5	4
31	Nanocarriers, Progenitor Cells, Combinational Approaches, and New Insights on the Retinal Therapy. <i>International Journal of Molecular Sciences</i> , 2021, 22, 1776.	1.8	3
32	Adenine Base Editor Ribonucleoproteins Delivered by Lentivirus-Like Particles Show High On-Target Base Editing and Undetectable RNA Off-Target Activities. <i>CRISPR Journal</i> , 2021, 4, 69-81.	1.4	24
33	Lentiviral Capsid-Mediated <i>Streptococcus pyogenes</i> Cas9 Ribonucleoprotein Delivery for Efficient and Safe Multiplex Genome Editing. <i>CRISPR Journal</i> , 2021, , .	1.4	18
34	Effects of Shear Stress on Production of FVIII and vWF in a Cell-Based Therapeutic for Hemophilia A. <i>Frontiers in Bioengineering and Biotechnology</i> , 2021, 9, 639070.	2.0	3
35	Accelerating neovascularization and kidney tissue formation with a 3D vascular scaffold capturing native vascular structure. <i>Acta Biomaterialia</i> , 2021, 124, 233-243.	4.1	7
36	High-throughput microscopy reveals the impact of multifactorial environmental perturbations on colorectal cancer cell growth. <i>GigaScience</i> , 2021, 10, .	3.3	7

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37	Regenerative Medicine Approaches in Bioengineering Female Reproductive Tissues. <i>Reproductive Sciences</i> , 2021, 28, 1573-1595.	1.1	10
38	Human placental-derived stem cell therapy ameliorates experimental necrotizing enterocolitis. <i>American Journal of Physiology - Renal Physiology</i> , 2021, 320, G658-G674.	1.6	15
39	Combinations of photoinitiator and UV absorber for cell-based digital light processing (DLP) bioprinting. <i>Biofabrication</i> , 2021, 13, 034103.	3.7	50
40	Advanced Hydrogels as Exosome Delivery Systems for Osteogenic Differentiation of MSCs: Application in Bone Regeneration. <i>International Journal of Molecular Sciences</i> , 2021, 22, 6203.	1.8	43
41	Recommendations for workforce development in regenerative medicine biomanufacturing. <i>Stem Cells Translational Medicine</i> , 2021, 10, 1365-1371.	1.6	2
42	Self-aligned myofibers in 3D bioprinted extracellular matrix-based construct accelerate skeletal muscle function restoration. <i>Applied Physics Reviews</i> , 2021, 8, 021405.	5.5	33
43	Enriching surgical residency training through the liberal arts. <i>American Journal of Surgery</i> , 2021, 222, 42-44.	0.9	2
44	Reply: Spermatogonia stem cell technology: a new avenue for all age Klinefelter patients. <i>Human Reproduction Update</i> , 2021, 27, 970-972.	5.2	4
45	Universal Peptide Hydrogel for Scalable Physiological Formation and Bioprinting of 3D Spheroids from Human Induced Pluripotent Stem Cells. <i>Advanced Functional Materials</i> , 2021, 31, 2104046.	7.8	13
46	Enhanced method to select human oogonial stem cells for fertility research. <i>Cell and Tissue Research</i> , 2021, 386, 145-156.	1.5	10
47	Investigating Optimal Autologous Cellular Platforms for Prenatal or Perinatal Factor VIII Delivery to Treat Hemophilia A. <i>Frontiers in Cell and Developmental Biology</i> , 2021, 9, 678117.	1.8	4
48	3D bioprinting: Physical and chemical processes. <i>Applied Physics Reviews</i> , 2021, 8, .	5.5	4
49	Engineering of the Bladder and Urethra. <i>Reference Series in Biomedical Engineering</i> , 2021, , 259-284.	0.1	0
50	Engineering Functional Rat Ovarian Spheroids Using Granulosa and Theca Cells. <i>Reproductive Sciences</i> , 2021, 28, 1697-1708.	1.1	4
51	Bioprinting Au Natural: The Biologics of Bioinks. <i>Biomolecules</i> , 2021, 11, 1593.	1.8	17
52	Using a Human Liver Tissue Equivalent (hLTE) Platform to Define the Functional Impact of Liver-Directed AAV Gene Therapy. <i>Blood</i> , 2021, 138, 2938-2938.	0.6	2
53	Administration of FVIII-Expressing Human Placental Cells to Juvenile Sheep Yields Multi-Organ Engraftment, Therapeutic Plasma FVIII Levels and Alter Immune Signaling Pathways to Evade FVIII Inhibitor Induction. <i>Blood</i> , 2021, 138, 3966-3966.	0.6	0
54	Methods to generate tissue-derived constructs for regenerative medicine applications. <i>Methods</i> , 2020, 171, 3-10.	1.9	31

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55	Stromal cells from perinatal and adult sources modulate the inflammatory immune response in vitro by decreasing Th1 cell proliferation and cytokine secretion. <i>Stem Cells Translational Medicine</i> , 2020, 9, 61-73.	1.6	24
56	Encapsulation of Mesenchymal Stem Cells in 3D Ovarian Cell Constructs Promotes Stable and Long-Term Hormone Secretion with Improved Physiological Outcomes in a Syngeneic Rat Model. <i>Annals of Biomedical Engineering</i> , 2020, 48, 1058-1070.	1.3	22
57	A novel decellularized skeletal muscle-derived ECM scaffolding system for in situ muscle regeneration. <i>Methods</i> , 2020, 171, 77-85.	1.9	39
58	Amnion membrane hydrogel and amnion membrane powder accelerate wound healing in a full thickness porcine skin wound model. <i>Stem Cells Translational Medicine</i> , 2020, 9, 80-92.	1.6	45
59	Multimaterial Dual Gradient Three-Dimensional Printing for Osteogenic Differentiation and Spatial Segregation. <i>Tissue Engineering - Part A</i> , 2020, 26, 239-252.	1.6	23
60	Kidney regeneration approaches for translation. <i>World Journal of Urology</i> , 2020, 38, 2075-2079.	1.2	6
61	3-D bioprinting technologies for tissue engineering applications. , 2020, , 269-288.		7
62	Bioprinted trachea constructs with patient-matched design, mechanical and biological properties. <i>Biofabrication</i> , 2020, 12, 015022.	3.7	34
63	Most-read articles 2019: A year of noteworthy research. <i>Stem Cells Translational Medicine</i> , 2020, 9, 4-5.	1.6	0
64	Bioprinted Skin Recapitulates Normal Collagen Remodeling in Full-Thickness Wounds. <i>Tissue Engineering - Part A</i> , 2020, 26, 512-526.	1.6	79
65	ECM concentration and cell-mediated traction forces play a role in vascular network assembly in 3D bioprinted tissue. <i>Biotechnology and Bioengineering</i> , 2020, 117, 1148-1158.	1.7	26
66	Age-related presence of spermatogonia in patients with Klinefelter syndrome: a systematic review and meta-analysis. <i>Human Reproduction Update</i> , 2020, 26, 58-72.	5.2	38
67	Opportunities and challenges of translational 3D bioprinting. <i>Nature Biomedical Engineering</i> , 2020, 4, 370-380.	11.6	309
68	Efficient myotube formation in 3D bioprinted tissue construct by biochemical and topographical cues. <i>Biomaterials</i> , 2020, 230, 119632.	5.7	120
69	Sensitive and reliable evaluation of single-cut sgRNAs to restore dystrophin by a GFP-reporter assay. <i>PLoS ONE</i> , 2020, 15, e0239468.	1.1	8
70	Defining the Optimal FVIII Transgene for Placental Cell-Based Gene Therapy to Treat Hemophilia A. <i>Molecular Therapy - Methods and Clinical Development</i> , 2020, 17, 465-477.	1.8	10
71	Administration of secretome from human placental stem cell-conditioned media improves recovery of erectile function in the pelvic neurovascular injury model. <i>Journal of Tissue Engineering and Regenerative Medicine</i> , 2020, 14, 1394-1402.	1.3	6
72	Microfluidic Systems for Assisted Reproductive Technologies: Advantages and Potential Applications. <i>Tissue Engineering and Regenerative Medicine</i> , 2020, 17, 787-800.	1.6	14

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73	Formation and optimization of three-dimensional organoids generated from urine-derived stem cells for renal function in vitro. <i>Stem Cell Research and Therapy</i> , 2020, 11, 309.	2.4	18
74	Decellularized Skin Extracellular Matrix (dsECM) Improves the Physical and Biological Properties of Fibrinogen Hydrogel for Skin Bioprinting Applications. <i>Nanomaterials</i> , 2020, 10, 1484.	1.9	41
75	NIR fluorescence for monitoring in vivo scaffold degradation along with stem cell tracking in bone tissue engineering. <i>Biomaterials</i> , 2020, 258, 120267.	5.7	40
76	Transport of ultrasmall gold nanoparticles (2Ånm) across the bloodâ€“brain barrier in a six-cell brain spheroid model. <i>Scientific Reports</i> , 2020, 10, 18033.	1.6	55
77	Solid Organ Bioprinting: Strategies to Achieve Organ Function. <i>Chemical Reviews</i> , 2020, 120, 11093-11127.	23.0	62
78	3D Bioprinted Highly Elastic Hybrid Constructs for Advanced Fibrocartilaginous Tissue Regeneration. <i>Chemistry of Materials</i> , 2020, 32, 8733-8746.	3.2	40
79	Inkjet Printing of Synthesized Melanin Nanoparticles as a Biocompatible Matrix for Pharmacologic Agents. <i>Nanomaterials</i> , 2020, 10, 1840.	1.9	5
80	The Influence of Printing Parameters and Cell Density on Bioink Printing Outcomes. <i>Tissue Engineering - Part A</i> , 2020, 26, 1349-1358.	1.6	36
81	3-D Human Renal Tubular Organoids Generated from Urine-Derived Stem Cells for Nephrotoxicity Screening. <i>ACS Biomaterials Science and Engineering</i> , 2020, 6, 6701-6709.	2.6	28
82	Implementation Guide for Rapid Integration of an Outpatient Telemedicine Program During the COVID-19 Pandemic. <i>Journal of the American College of Surgeons</i> , 2020, 231, 216-222e2.	0.2	156
83	The effect of BMP-mimetic peptide tethering bioinks on the differentiation of dental pulp stem cells (DPSCs) in 3D bioprinted dental constructs. <i>Biofabrication</i> , 2020, 12, 035029.	3.7	49
84	A Case Report of an Obstructing Ureteral Nephrogenic Adenoma in a Child Managed With Open Ileal Ureter. <i>Urology</i> , 2020, 143, 231-233.	0.5	3
85	Ultrasmall gold nanoparticles (2Ånm) can penetrate and enter cell nuclei in an in vitro 3D brain spheroid model. <i>Acta Biomaterialia</i> , 2020, 111, 349-362.	4.1	51
86	Antibody-Conjugated Electrospun Vascular Scaffolds to Enhance <i>In Situ</i> Endothelialization. <i>ACS Applied Bio Materials</i> , 2020, 3, 4486-4494.	2.3	8
87	The Role of the Microenvironment in Controlling the Fate of Bioprinted Stem Cells. <i>Chemical Reviews</i> , 2020, 120, 11056-11092.	23.0	37
88	Multicellular 3D Neurovascular Unit Model for Assessing Hypoxia and Neuroinflammation Induced Blood-Brain Barrier Dysfunction. <i>Scientific Reports</i> , 2020, 10, 9766.	1.6	42
89	Three-Dimensional Renal Organoids from Whole Kidney Cells: Generation, Optimization, and Potential Application in Nephrotoxicology In Vitro. <i>Cell Transplantation</i> , 2020, 29, 096368971989706.	1.2	27
90	A tissue-engineered uterus supports live births in rabbits. <i>Nature Biotechnology</i> , 2020, 38, 1280-1287.	9.4	55

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91	Pixel-based drug release system: Achieving accurate dosage and prolonged activity for personalized medicine. <i>Medical Devices & Sensors</i> , 2020, 3, e10104.	2.7	2
92	Reno-protection of Urine-derived Stem Cells in A Chronic Kidney Disease Rat Model Induced by Renal Ischemia and Nephrotoxicity. <i>International Journal of Biological Sciences</i> , 2020, 16, 435-446.	2.6	26
93	A cocktail of growth factors released from a heparin hyaluronic-acid hydrogel promotes the myogenic potential of human urine-derived stem cells in vivo. <i>Acta Biomaterialia</i> , 2020, 107, 50-64.	4.1	26
94	Dynamic Changes in Erectile Function and Histological Architecture After Intracorporal Injection of Human Placental Stem Cells in a Pelvic Neurovascular Injury Rat Model. <i>Journal of Sexual Medicine</i> , 2020, 17, 400-411.	0.3	13
95	Neural cell integration into 3D bioprinted skeletal muscle constructs accelerates restoration of muscle function. <i>Nature Communications</i> , 2020, 11, 1025.	5.8	130
96	Drug compound screening in single and integrated multi-organoid body-on-a-chip systems. <i>Biofabrication</i> , 2020, 12, 025017.	3.7	141
97	Probing prodrug metabolism and reciprocal toxicity with an integrated and humanized multi-tissue organ-on-a-chip platform. <i>Acta Biomaterialia</i> , 2020, 106, 124-135.	4.1	101
98	Mammalian Pericardium-Based Bioprosthetic Materials in Xenotransplantation and Tissue Engineering. <i>Biotechnology Journal</i> , 2020, 15, e1900334.	1.8	17
99	Therapeutic Mesenchymal Stromal Cells for Immunotherapy and for Gene and Drug Delivery. <i>Molecular Therapy - Methods and Clinical Development</i> , 2020, 16, 204-224.	1.8	56
100	Assessment methodologies for extrusion-based bioink printability. <i>Biofabrication</i> , 2020, 12, 022003.	3.7	214
101	Tissue engineering: current status and future perspectives. , 2020, , 1-35.		22
102	Tissue engineering of the kidney. , 2020, , 825-843.		5
103	Tissue engineering: bladder and urethra. , 2020, , 845-862.		3
104	Tissue engineering for female reproductive organs. , 2020, , 863-870.		1
105	Male reproductive organs. , 2020, , 871-880.		1
106	Three-dimensional bioprinting for tissue engineering. , 2020, , 1391-1415.		10
107	Bladder Tissue Engineering: The Past and the Future. <i>Urology</i> , 2020, 145, 337-338.	0.5	3
108	Extrusion-Based Bioprinting: Current Standards and Relevancy for Human-Sized Tissue Fabrication. <i>Methods in Molecular Biology</i> , 2020, 2140, 65-92.	0.4	13

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109	CRISPR/Cas9 increases mitotic gene conversion in human cells. <i>Gene Therapy</i> , 2020, 27, 281-296.	2.3	19
110	Energy Band Gap Investigation of Biomaterials: A Comprehensive Material Approach for Biocompatibility of Medical Electronic Devices. <i>Micromachines</i> , 2020, 11, 105.	1.4	14
111	Tissue Engineered Renal Tissue. , 2020, , 1-25.		0
112	Delivery of Fviii-mcoET3 to Previously Untreated Sheep Using Human Placental Cells Enables Durable Elevation of Plasma FVIII Levels and Avoids Inhibitor Formation. <i>Blood</i> , 2020, 136, 34-34.	0.6	0
113	Administration of Cells Engineered to Secrete Fviii-mcoET3 in Prenatal Sheep Recipients Results in Sustained Curative Fviii Plasma Levels for 3 Years after Birth, without Immune or Toxicity-Related Adverse Events. <i>Blood</i> , 2020, 136, 1-2.	0.6	1
114	Evaluation of Maternal Safety Following Prenatal Cell and Gene Therapy for Hemophilia a in a Large Animal Model Demonstrates Absence of Maternal Exposure to the Cells or Gene Products Infused into the Fetus. <i>Blood</i> , 2020, 136, 32-32.	0.6	0
115	Regenerative Medicine for the Male Reproductive System. , 2019, , 1251-1261.		2
116	Stem Cells From the Amnion. , 2019, , 133-148.		5
117	Three-Dimensional Tissue and Organ Printing in Regenerative Medicine. , 2019, , 831-852.		10
118	Regenerative Medicine Approaches for Tissue Engineered Heart Valves. , 2019, , 1041-1058.		6
119	Regenerative Medicine Approaches for the Kidney. , 2019, , 1165-1177.		0
120	Regenerative Medicine for the Female Reproductive System. , 2019, , 1237-1250.		4
121	Regenerative Medicine of the Bladder. , 2019, , 1263-1279.		2
122	Delivering Cas9/sgRNA ribonucleoprotein (RNP) by lentiviral capsid-based bionanoparticles for efficient "hit-and-run" genome editing. <i>Nucleic Acids Research</i> , 2019, 47, e99-e99.	6.5	67
123	Impaired Regeneration Potential in Urinary Stem Cells Diagnosed from the Patients with Diabetic Nephropathy. <i>Theranostics</i> , 2019, 9, 4221-4232.	4.6	20
124	Non-Invasive Cell Tracking with Brighter and Red-Transferred Luciferase for Potential Application in Stem Cell Therapy. <i>Cell Transplantation</i> , 2019, 28, 1542-1551.	1.2	9
125	Nanosensors for therapeutic drug monitoring: implications for transplantation. <i>Nanomedicine</i> , 2019, 14, 2735-2747.	1.7	15
126	Towards clinical application of tissue engineering for erectile penile regeneration. <i>Nature Reviews Urology</i> , 2019, 16, 734-744.	1.9	11

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127	3D reconstruction of CT scans aid in preoperative planning for sarcomatoid renal cancer: A case report and mini-review. <i>Journal of X-Ray Science and Technology</i> , 2019, 27, 389-395.	0.7	3
128	Scaffolds for vaginal tissue reconstruction. , 2019, , 317-332.		0
129	Use of uniformly sized muscle fiber fragments for restoration of muscle tissue function. <i>Journal of Tissue Engineering and Regenerative Medicine</i> , 2019, 13, 1230-1240.	1.3	0
130	Physics of bioprinting. <i>Applied Physics Reviews</i> , 2019, 6, .	5.5	32
131	Biofabrication of tissue-specific extracellular matrix proteins to enhance the expansion and differentiation of skeletal muscle progenitor cells. <i>Applied Physics Reviews</i> , 2019, 6, .	5.5	7
132	Engineering blood vessels and vascularized tissues: technology trends and potential clinical applications. <i>Clinical Science</i> , 2019, 133, 1115-1135.	1.8	68
133	Effect of Human Amniotic Fluid Stem Cells on Kidney Function in a Model of Chronic Kidney Disease. <i>Tissue Engineering - Part A</i> , 2019, 25, 1493-1503.	1.6	12
134	Bladder Organoids and Spheroids: Potential Tools for Normal and Diseased Tissue Modelling. <i>Anticancer Research</i> , 2019, 39, 1105-1118.	0.5	31
135	Skin tissue regeneration for burn injury. <i>Stem Cell Research and Therapy</i> , 2019, 10, 94.	2.4	213
136	Kidney regeneration with biomimetic vascular scaffolds based on vascular corrosion casts. <i>Acta Biomaterialia</i> , 2019, 95, 328-336.	4.1	21
137	A Photoâ€Crosslinkable Kidney ECMâ€Derived Bioink Accelerates Renal Tissue Formation. <i>Advanced Healthcare Materials</i> , 2019, 8, e1800992.	3.9	162
138	Skin bioprinting: the future of burn wound reconstruction?. <i>Burns and Trauma</i> , 2019, 7, 4.	2.3	84
139	In Situ Bioprinting of Autologous Skin Cells Accelerates Wound Healing of Extensive Excisional Full-Thickness Wounds. <i>Scientific Reports</i> , 2019, 9, 1856.	1.6	297
140	Delivering SaCas9 mRNA by lentivirus-like bionanoparticles for transient expression and efficient genome editing. <i>Nucleic Acids Research</i> , 2019, 47, e44-e44.	6.5	64
141	Purging of malignant cell contamination prior to spermatogonia stem cell autotransplantation to preserve fertility: progress & prospects. <i>Current Opinion in Endocrinology, Diabetes and Obesity</i> , 2019, 26, 166-174.	1.2	5
142	Regenology: Time for a New Specialty?. <i>Stem Cells Translational Medicine</i> , 2019, 8, 4-6.	1.6	4
143	Longâ€term therapeutic effect of cell therapy on improvement in erectile function in a rat model with pelvic neurovascular injury. <i>BJU International</i> , 2019, 124, 145-154.	1.3	18
144	Stem Cell Therapy for Erectile Dysfunction. <i>Sexual Medicine Reviews</i> , 2019, 7, 321-328.	1.5	55

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145	Effects of Extracellular Vesicles Derived from Mesenchymal Stem/Stromal Cells on Liver Diseases. <i>Current Stem Cell Research and Therapy</i> , 2019, 14, 442-452.	0.6	7
146	Clinical Application of Stem/Stromal Cells in Cystic Fibrosis. , 2019, , 179-198.		0
147	Cell-derived Secretome for the Treatment of Renal Disease. <i>Childhood Kidney Diseases</i> , 2019, 23, 67-76.	0.1	1
148	Biosensing Technologies for Medical Applications, Manufacturing, and Regenerative Medicine. <i>Current Stem Cell Reports</i> , 2018, 4, 105-115.	0.7	28
149	Exosomes secreted by placental stem cells selectively inhibit growth of aggressive prostate cancer cells. <i>Biochemical and Biophysical Research Communications</i> , 2018, 499, 1004-1010.	1.0	27
150	The potential of 3D printing in urological research and patient care. <i>Nature Reviews Urology</i> , 2018, 15, 213-221.	1.9	45
151	A human bone marrow mesodermal-derived cell population with hemogenic potential. <i>Leukemia</i> , 2018, 32, 1575-1586.	3.3	5
152	3D bioprinted functional and contractile cardiac tissue constructs. <i>Acta Biomaterialia</i> , 2018, 70, 48-56.	4.1	227
153	In Situ Tissue Regeneration of Renal Tissue Induced by Collagen Hydrogel Injection. <i>Stem Cells Translational Medicine</i> , 2018, 7, 241-250.	1.6	26
154	Genitourinary Radiology, 6th edDunnickN.R., NewhouseJ.H., CohanR.H. and MaturenK.E.: Genitourinary Radiology, 6th ed. Philadelphia: Wolters Kluwer2018. 512 pages.. <i>Journal of Urology</i> , 2018, 199, 1073-1073.	0.2	0
155	Cell therapy for stress urinary incontinence: Presentâ€¦day frontiers. <i>Journal of Tissue Engineering and Regenerative Medicine</i> , 2018, 12, e1108-e1121.	1.3	34
156	Immunomodulatory Cell Therapy to Target Cystic Fibrosis Inflammation. <i>American Journal of Respiratory Cell and Molecular Biology</i> , 2018, 58, 12-20.	1.4	16
157	Biomaterials and Tissue Engineering. , 2018, , 17-51.		28
158	Selfâ€¦assembled liver organoids recapitulate hepatobiliary organogenesis in vitro. <i>Hepatology</i> , 2018, 67, 750-761.	3.6	95
159	Controlled release of insulinâ€¦like growth factor 1 enhances urethral sphincter function and histological structure in the treatment of female stress urinary incontinence in a rat model. <i>BJU International</i> , 2018, 121, 301-312.	1.3	13
160	Urothelium with barrier function differentiated from human urine-derived stem cells for potential use in urinary tract reconstruction. <i>Stem Cell Research and Therapy</i> , 2018, 9, 304.	2.4	45
161	Translation and Applications of Biofabrication. , 2018, , 451-484.		1
162	Review of Processing Technology and Techniques for Perinatal Stem Cells Banking and Clinical Applications. , 2018, , 337-355.		0

#	ARTICLE	IF	CITATIONS
163	Cryostorage of immature and mature human testis tissue to preserve spermatogonial stem cells (SSCs): a systematic review of current experiences toward clinical applications. <i>Stem Cells and Cloning: Advances and Applications</i> , 2018, Volume 11, 23-38.	2.3	20
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