

Paolo De Coppi

List of Publications by Year in Descending Order

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Version: 2024-04-09

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

322 papers	11,086 citations	54 h-index	95 g-index
358 ext. papers	13,015 ext. citations	5.5 avg, IF	6.21 L-index

#	Paper	IF	Citations
322	Monitoring tissue engineered constructs and protocols with laboratory-based x-ray phase contrast tomography.. <i>Acta Biomaterialia</i> , 2022 , 141, 290-290	10.8	0
321	Comparative cohort study of Duhamel and endorectal pull-through for Hirschsprung disease.. <i>BJO Open</i> , 2022 , 6,	3.9	2
320	Regenerative medicine for childhood gastrointestinal diseases.. <i>Bailliere's Best Practice and Research in Clinical Gastroenterology</i> , 2022 , 56-57, 101769	2.5	1
319	Patient-level costing analysis of paediatric short bowel syndrome care in a specialist tertiary centre.. <i>Pediatric Surgery International</i> , 2022 , 38, 533	2.1	
318	Mitochondrial fission links ECM mechanotransduction to metabolic redox homeostasis and metastatic chemotherapy resistance.. <i>Nature Cell Biology</i> , 2022 , 24, 168-180	23.4	5
317	Variation in Glycemic Outcomes in Focal Forms of Congenital Hyperinsulinism-The UK Perspective.. <i>Journal of the Endocrine Society</i> , 2022 , 6, bvac033	0.4	1
316	Development of a porcine acellular bladder matrix for tissue-engineered bladder reconstruction.. <i>Pediatric Surgery International</i> , 2022 , 38, 665	2.1	0
315	Customized bioreactor enables the production of 3D diaphragmatic constructs influencing matrix remodeling and fibroblast overgrowth.. <i>Npj Regenerative Medicine</i> , 2022 , 7, 25	15.8	1
314	Extracellular Matrix Hydrogels from Decellularized Tissues for Biological and Biomedical Applications 2022 , 1-22		
313	COVID-19 and vertical transmission: assessing the expression of ACE2/TMPRSS2 in the human fetus and placenta to assess the risk of SARS-CoV-2 infection. <i>BJOG: an International Journal of Obstetrics and Gynaecology</i> , 2021 ,	3.7	6
312	SARS-CoV-2 infection and replication in human gastric organoids. <i>Nature Communications</i> , 2021 , 12, 66107.4	7.4	8
311	European Pediatric Surgeons Association Survey on the Management of Primary Spontaneous Pneumothorax in Children. <i>European Journal of Pediatric Surgery</i> , 2021 ,	1.9	1
310	Decellularized Skeletal Muscles Support the Generation of In Vitro Neuromuscular Tissue Models. <i>Applied Sciences (Switzerland)</i> , 2021 , 11, 9485	2.6	
309	Prenatal transplantation of human amniotic fluid stem cell could improve clinical outcome of type III spinal muscular atrophy in mice. <i>Scientific Reports</i> , 2021 , 11, 9158	4.9	4
308	Lung tissue bioengineering for transplantation and modelling of development, disease and regeneration 2021 , 248-272		1
307	Fetal lung underdevelopment is rescued by administration of amniotic fluid stem cell extracellular vesicles in rodents. <i>Science Translational Medicine</i> , 2021 , 13,	17.5	3
306	COVID-19 pandemic experiences of parents caring for children with oesophageal atresia/tracheo-oesophageal fistula. <i>BMJ Paediatrics Open</i> , 2021 , 5, e001077	2.4	0

305	Porcine Decellularized Diaphragm Hydrogel: A New Option for Skeletal Muscle Malformations. <i>Biomedicines</i> , 2021 , 9,	4.8	5
304	Fetal body MRI and its application to fetal and neonatal treatment: an illustrative review. <i>The Lancet Child and Adolescent Health</i> , 2021 , 5, 447-458	14.5	4
303	Outcomes in Hirschsprung® disease with coexisting learning disability. <i>European Journal of Pediatrics</i> , 2021 , 180, 3499-3507	4.1	4
302	ERNICA Consensus Conference on the Management of Patients with Long-Gap Esophageal Atresia: Perioperative, Surgical, and Long-Term Management. <i>European Journal of Pediatric Surgery</i> , 2021 , 31, 214-225	1.9	8
301	Fluorescence imaging in pediatric surgery: State-of-the-art and future perspectives. <i>Journal of Pediatric Surgery</i> , 2021 , 56, 655-662	2.6	5
300	Sexual function, quality of life, and fertility in women who had surgery for neonatal Hirschsprung® disease. <i>British Journal of Surgery</i> , 2021 , 108, e79-e80	5.3	2
299	A Perfusion Bioreactor for Longitudinal Monitoring of Bioengineered Liver Constructs. <i>Nanomaterials</i> , 2021 , 11,	5.4	4
298	Paediatric gastric organoids as a tool for disease modelling and clinical translation. <i>Pediatric Surgery International</i> , 2021 , 37, 317-324	2.1	2
297	Bioengineering of Trachea and Esophagus 2021 , 1-40		
296	Study protocol: a core outcome set for perinatal interventions for congenital diaphragmatic hernia. <i>Trials</i> , 2021 , 22, 158	2.8	3
295	Thoracoscopic oesophageal atresia/tracheo-oesophageal fistula (OA/TOF) repair is associated with a higher stricture rate: a single institution® experience. <i>Pediatric Surgery International</i> , 2021 , 37, 397-401	2.1	1
294	Regeneration and tissue engineering: How pediatric surgeons contributed to building a new field to change the future of medicine. <i>Seminars in Pediatric Surgery</i> , 2021 , 30, 151018	2.1	
293	In vitro models of fetal lung development to enhance research into congenital lung diseases. <i>Pediatric Surgery International</i> , 2021 , 37, 561-568	2.1	2
292	Foreign body ingestion during the COVID-19 pandemic: a retrospective single centre review. <i>BMJ Paediatrics Open</i> , 2021 , 5, e001042	2.4	2
291	Getting earlier, smaller and regenerative: The next 10 years of in utero spina bifida repair. <i>Prenatal Diagnosis</i> , 2021 , 41, 907-909	3.2	
290	National Heart, Lung, and Blood Institute and Building Respiratory Epithelium and Tissue for Health (BREATH) Consortium Workshop Report: Moving Forward in Lung Regeneration. <i>American Journal of Respiratory Cell and Molecular Biology</i> , 2021 , 65, 22-29	5.7	0
289	Long-term surgical and patient-reported outcomes of Hirschsprung Disease. <i>Journal of Pediatric Surgery</i> , 2021 , 56, 1502-1511	2.6	10
288	Bioengineering of Trachea and Esophagus. <i>Reference Series in Biomedical Engineering</i> , 2021 , 101-140		

287	Local and systemic responses to SARS-CoV-2 infection in children and adults.. <i>Nature</i> , 2021 ,	50.4	17
286	Laparoscopic Injection of Tissue Adhesives for Inguinal Hernia Repair in a Rabbit Model: Results of an Experimental Comparative Study with the Standard Laparoscopic Inguinal Hernia Repair. <i>Journal of Laparoendoscopic and Advanced Surgical Techniques - Part A</i> , 2020 , 30, 847-853	2.1	1
285	Gastrointestinal features in children with COVID-19: an observation of varied presentation in eight children. <i>The Lancet Child and Adolescent Health</i> , 2020 , 4, e19-e20	14.5	112
284	The Transcription Co-Repressors MTG8 and MTG16 Regulate Exit of Intestinal Stem Cells From Their Niche and Differentiation Into Enterocyte vs Secretory Lineages. <i>Gastroenterology</i> , 2020 , 159, 1328-1341.e3	13.3	53
283	Intravital three-dimensional bioprinting. <i>Nature Biomedical Engineering</i> , 2020 , 4, 901-915	19	65
282	Decellularized skeletal muscles display neurotrophic effects in three-dimensional organotypic cultures. <i>Stem Cells Translational Medicine</i> , 2020 , 9, 1233-1243	6.9	8
281	Insufflation in minimally invasive surgery: Is there any advantage in staying low?. <i>Journal of Pediatric Surgery</i> , 2020 , 55, 1356-1362	2.6	3
280	Early surgical complications after congenital diaphragmatic hernia repair by thoracotomy vs. laparotomy: A bicentric comparison. <i>Journal of Pediatric Surgery</i> , 2020 , 55, 2105-2110	2.6	6
279	Neonatal stem cells in tissue engineering 2020 , 457-466		
278	Tissue Engineering and Stem Cell Research 2020 , 577-592		
277	Long-term feeding issue and its impact on the daily life of congenital diaphragmatic hernia survivors: results of the first patient-led survey. <i>Pediatric Surgery International</i> , 2020 , 36, 63-68	2.1	2
276	Patch repair of congenital diaphragmatic hernia is not at risk of poor outcomes. <i>Journal of Pediatric Surgery</i> , 2020 , 55, 1522-1527	2.6	8
275	An automated framework for localization, segmentation and super-resolution reconstruction of fetal brain MRI. <i>NeuroImage</i> , 2020 , 206, 116324	7.9	64
274	Variability of the transition zone length in Hirschsprung disease. <i>Journal of Pediatric Surgery</i> , 2020 , 55, 63-66	2.6	4
273	Potential Benefits of Laparoscopic Repair of Duodenal Atresia: Insights from a Retrospective Comparative Study. <i>European Journal of Pediatric Surgery</i> , 2020 , 30, 33-38	1.9	1
272	Fundoplication to preserve allograft function after lung transplant: Systematic review and meta-analysis. <i>Journal of Thoracic and Cardiovascular Surgery</i> , 2020 , 160, 858-866	1.5	13
271	Outcomes in adulthood of gastric transposition for complex and long gap esophageal atresia. <i>Journal of Pediatric Surgery</i> , 2020 , 55, 639-645	2.6	9
270	ERNICA Consensus Conference on the Management of Patients with Esophageal Atresia and Tracheoesophageal Fistula: Follow-up and Framework. <i>European Journal of Pediatric Surgery</i> , 2020 , 30, 475-482	1.9	11

269	Thoracoscopic aortopexy for symptomatic tracheobronchomalacia. <i>Journal of Pediatric Surgery</i> , 2020 , 55, 229-233	2.6	1
268	Opportunities and challenges of translational 3D bioprinting. <i>Nature Biomedical Engineering</i> , 2020 , 4, 370-380	19	144
267	Thoracic versus abdominal approach to correct diaphragmatic eventration in children. <i>Journal of Pediatric Surgery</i> , 2020 , 55, 245-248	2.6	4
266	The Microfluidic Environment Reveals a Hidden Role of Self-Organizing Extracellular Matrix in Hepatic Commitment and Organoid Formation of hiPSCs. <i>Cell Reports</i> , 2020 , 33, 108453	10.6	8
265	An Whole-Organ Liver Engineering for Testing of Genetic Therapies. <i>IScience</i> , 2020 , 23, 101808	6.1	2
264	Variability in the transition zone length in hirschsprung disease. <i>Journal of Pediatric Surgery</i> , 2020 , 55, 1980	2.6	0
263	Activation of Wnt signaling by amniotic fluid stem cell-derived extracellular vesicles attenuates intestinal injury in experimental necrotizing enterocolitis. <i>Cell Death and Disease</i> , 2020 , 11, 750	9.8	13
262	Engineering transplantable jejunal mucosal grafts using patient-derived organoids from children with intestinal failure. <i>Nature Medicine</i> , 2020 , 26, 1593-1601	50.5	31
261	Adaptable haemodynamic endothelial cells for organogenesis and tumorigenesis. <i>Nature</i> , 2020 , 585, 426-432	50.4	54
260	Variations in the Detection of Anorectal Anomalies at Birth among European Cities. <i>European Journal of Pediatric Surgery</i> , 2020 , 30, 287-292	1.9	2
259	Congenital intrathoracic stomach can be safely managed laparoscopically. <i>Pediatric Surgery International</i> , 2020 , 36, 165-169	2.1	
258	What should we tell parents? Congenital diaphragmatic hernia. <i>Prenatal Diagnosis</i> , 2020 ,	3.2	2
257	Donor cell engineering with GSK3 inhibitor-loaded nanoparticles enhances engraftment after in utero transplantation. <i>Blood</i> , 2019 , 134, 1983-1995	2.2	7
256	Self-expanding esophageal stents for the management of benign refractory esophageal strictures in children: A systematic review and review of outcomes at a single center. <i>Journal of Pediatric Surgery</i> , 2019 , 54, 2479-2486	2.6	9
255	Robotic Control of a Multi-Modal Rigid Endoscope Combining Optical Imaging with All-Optical Ultrasound 2019 ,		3
254	Non-vascular interventional radiology in the paediatric alimentary tract. <i>European Journal of Radiology</i> , 2019 , 112, 72-81	4.7	2
253	Tissue-Engineering the Intestine: The Trials before the Trials. <i>Cell Stem Cell</i> , 2019 , 24, 855-859	18	19
252	Laparoscopic resection of pancreatic neck lesion with Roux-en-Y pancreatico-jejunostomy. <i>Journal of Pediatric Surgery Case Reports</i> , 2019 , 40, 71-75	0.3	0

251	Human mid-trimester amniotic fluid (stem) cells lack expression of the pluripotency marker OCT4A. <i>Scientific Reports</i> , 2019 , 9, 8126	4.9	4
250	Decellularized Human Gut as a Natural 3D Platform for Research in Intestinal Fibrosis. <i>Inflammatory Bowel Diseases</i> , 2019 , 25, 1740-1750	4.5	10
249	In Utero Transplantation of Expanded Autologous Amniotic Fluid Stem Cells Results in Long-Term Hematopoietic Engraftment. <i>Stem Cells</i> , 2019 , 37, 1176-1188	5.8	9
248	Allogenic tissue-specific decellularized scaffolds promote long-term muscle innervation and functional recovery in a surgical diaphragmatic hernia model. <i>Acta Biomaterialia</i> , 2019 , 89, 115-125	10.8	15
247	Monochromatic Propagation-Based Phase-Contrast Microscale Computed-Tomography System with a Rotating-Anode Source. <i>Physical Review Applied</i> , 2019 , 11,	4.3	13
246	Secretome of adipose-derived mesenchymal stem cells promotes skeletal muscle regeneration through synergistic action of extracellular vesicle cargo and soluble proteins. <i>Stem Cell Research and Therapy</i> , 2019 , 10, 116	8.3	76
245	Generation of a Functioning and Self-Renewing Diaphragmatic Muscle Construct. <i>Stem Cells Translational Medicine</i> , 2019 , 8, 858-869	6.9	16
244	The emerging role of immunothrombosis in paediatric conditions. <i>Pediatric Research</i> , 2019 , 86, 19-27	3.2	7
243	Stem Cells From the Amnion 2019 , 133-148		4
242	In Utero Gene Therapy (IUGT) Using GLOBE Lentiviral Vector Phenotypically Corrects the Heterozygous Humanised Mouse Model and Its Progress Can Be Monitored Using MRI Techniques. <i>Scientific Reports</i> , 2019 , 9, 11592	4.9	9
241	Diagnostic yield and safety of ultrasound-guided bowel mass biopsies in children. <i>Pediatric Radiology</i> , 2019 , 49, 1809-1815	2.8	3
240	Super-resolution for upper abdominal MRI: Acquisition and post-processing protocol optimization using brain MRI control data and expert reader validation. <i>Magnetic Resonance in Medicine</i> , 2019 , 82, 1905-1919	4.4	7
239	Cirrhotic Human Liver Extracellular Matrix 3D Scaffolds Promote Smad-Dependent TGF- β Epithelial Mesenchymal Transition. <i>Cells</i> , 2019 , 9,	7.9	20
238	Combined Notch and PDGF Signaling Enhances Migration and Expression of Stem Cell Markers while Inducing Perivascular Cell Features in Muscle Satellite Cells. <i>Stem Cell Reports</i> , 2019 , 12, 461-473	8	28
237	Extracellular matrix hydrogel derived from decellularized tissues enables endodermal organoid culture. <i>Nature Communications</i> , 2019 , 10, 5658	17.4	155
236	The multi-disciplinary management of complex congenital and acquired tracheo-oesophageal fistulae. <i>Pediatric Surgery International</i> , 2019 , 35, 97-105	2.1	8
235	Laparoscopic Ladd [®] procedure for malrotation in infants and children is still a controversial approach. <i>Journal of Pediatric Surgery</i> , 2019 , 54, 1843-1847	2.6	12
234	Whole rat stomach decellularisation using a detergent-enzymatic protocol. <i>Pediatric Surgery International</i> , 2019 , 35, 21-27	2.1	5

233	Non-Invasive Longitudinal Bioluminescence Imaging of Human Mesoangioblasts in Bioengineered Esophagi. <i>Tissue Engineering - Part C: Methods</i> , 2019 , 25, 103-113	2.9	3
232	Isolation and characterisation of mouse intestinal mesoangioblasts. <i>Pediatric Surgery International</i> , 2019 , 35, 29-34	2.1	1
231	Role of Routine Dilatations after Anorectal Reconstruction-Comparison of Two Tertiary Centers. <i>European Journal of Pediatric Surgery</i> , 2019 , 29, 243-246	1.9	3
230	Embryonic Stem Cell-Derived Mesenchymal Stem Cells (MSCs) Have a Superior Neuroprotective Capacity Over Fetal MSCs in the Hypoxic-Ischemic Mouse Brain. <i>Stem Cells Translational Medicine</i> , 2018 , 7, 439-449	6.9	42
229	Long-Term Hematopoietic Engraftment of Congenic Amniotic Fluid Stem Cells After in Utero Intraperitoneal Transplantation to Immune Competent Mice. <i>Stem Cells and Development</i> , 2018 , 27, 515-523	4.4	6
228	Aortopexy for the treatment of tracheobronchomalacia in 100 children: a 10-year single-centre experience. <i>European Journal of Cardio-thoracic Surgery</i> , 2018 , 54, 585-592	3	10
227	Morgagni hernia repair in children over two decades: Institutional experience, systematic review, and meta-analysis of 296 patients. <i>Journal of Pediatric Surgery</i> , 2018 , 53, 1883-1889	2.6	9
226	A retrospective multicenter study of the natural history of fetal ovarian cysts. <i>Journal of Pediatric Surgery</i> , 2018 , 53, 2019-2022	2.6	13
225	Lancet Commission: Stem cells and regenerative medicine. <i>Lancet, The</i> , 2018 , 391, 883-910	40	124
224	Decellularized Diaphragmatic Muscle Drives a Constructive Angiogenic Response In Vivo. <i>International Journal of Molecular Sciences</i> , 2018 , 19,	6.3	17
223	Whole Organ Tissue Vascularization: Engineering the Tree to Develop the Fruits. <i>Frontiers in Bioengineering and Biotechnology</i> , 2018 , 6, 56	5.8	35
222	Ascites in the Newborn 2018 , 759-768		
221	Decellularized Tissue for Muscle Regeneration. <i>International Journal of Molecular Sciences</i> , 2018 , 19,	6.3	37
220	Currarino syndrome: repair of the dysraphic anomalies and resection of the presacral mass in a combined neurosurgical and general surgical approach. <i>Journal of Neurosurgery: Pediatrics</i> , 2018 , 22, 584-590	2.1	7
219	Loop colostomies are safe in anorectal malformations. <i>Journal of Pediatric Surgery</i> , 2018 , 53, 2170-2173	2.6	5
218	Decellularized colorectal cancer matrix as bioactive microenvironment for in vitro 3D cancer research. <i>Journal of Cellular Physiology</i> , 2018 , 233, 5937-5948	7	43
217	Preservation over time of dried acellular esophageal matrix. <i>Biomedical Physics and Engineering Express</i> , 2018 , 4, 065021	1.5	4
216	Multi-stage bioengineering of a layered oesophagus with in vitro expanded muscle and epithelial adult progenitors. <i>Nature Communications</i> , 2018 , 9, 4286	17.4	43

215	Decellularised skeletal muscles allow functional muscle regeneration by promoting host cell migration. <i>Scientific Reports</i> , 2018 , 8, 8398	4.9	37
214	Fluid, Electrolyte and Nutritional Support of the Surgical Neonate 2018 , 191-212		1
213	In Utero Therapy for Congenital Disorders Using Amniotic Fluid Stem Cells 2018 , 3-20		2
212	Vacuum-assisted decellularization: an accelerated protocol to generate tissue-engineered human tracheal scaffolds. <i>Biomaterials</i> , 2017 , 124, 95-105	15.6	56
211	Regenerative medicine solutions in congenital diaphragmatic hernia. <i>Seminars in Pediatric Surgery</i> , 2017 , 26, 171-177	2.1	13
210	Tracheal Replacement Therapy with a Stem Cell-Seeded Graft: Lessons from Compassionate Use Application of a GMP-Compliant Tissue-Engineered Medicine. <i>Stem Cells Translational Medicine</i> , 2017 , 6, 1458-1464	6.9	45
209	Decellularized material as scaffolds for tissue engineering studies in long gap esophageal atresia. <i>Expert Opinion on Biological Therapy</i> , 2017 , 17, 573-584	5.4	15
208	Concise Review: Amniotic Fluid Stem Cells: The Known, the Unknown, and Potential Regenerative Medicine Applications. <i>Stem Cells</i> , 2017 , 35, 1663-1673	5.8	71
207	Double-blind randomized clinical trial of percutaneous endoscopic gastrostomy versus radiologically inserted gastrostomy in children. <i>British Journal of Surgery</i> , 2017 , 104, 1620-1627	5.3	14
206	Mouse decellularised liver scaffold improves human embryonic and induced pluripotent stem cells differentiation into hepatocyte-like cells. <i>PLoS ONE</i> , 2017 , 12, e0189586	3.7	21
205	Let sleeping dogs lie: To leave the appendix at the time of a Ladd procedure. <i>Journal of Pediatric Surgery</i> , 2017 ,	2.6	4
204	A systematic review and meta-analysis on fetal ovarian cysts: impact of size, appearance and prenatal aspiration. <i>Prenatal Diagnosis</i> , 2017 , 37, 951-958	3.2	23
203	Rapid production of human liver scaffolds for functional tissue engineering by high shear stress oscillation-decellularization. <i>Scientific Reports</i> , 2017 , 7, 5534	4.9	55
202	TGFβ-induced osteogenic potential of human amniotic fluid stem cells via CD73-generated adenosine production. <i>Scientific Reports</i> , 2017 , 7, 6601	4.9	6
201	Multimodal Phase-Based X-Ray Microtomography with Nonmicrofocal Laboratory Sources. <i>Physical Review Applied</i> , 2017 , 8,	4.3	8
200	Autologous Cell Seeding in Tracheal Tissue Engineering. <i>Current Stem Cell Reports</i> , 2017 , 3, 279-289	1.8	24
199	Current and future antenatal management of isolated congenital diaphragmatic hernia. <i>Seminars in Fetal and Neonatal Medicine</i> , 2017 , 22, 383-390	3.7	22
198	Single-Shot X-Ray Phase-Contrast Computed Tomography with Nonmicrofocal Laboratory Sources. <i>Physical Review Applied</i> , 2017 , 7,	4.3	25

197	Protein and Molecular Characterization of a Clinically Compliant Amniotic Fluid Stem Cell-Derived Extracellular Vesicle Fraction Capable of Accelerating Muscle Regeneration Through Enhancement of Angiogenesis. <i>Stem Cells and Development</i> , 2017 , 26, 1316-1333	4.4	28
196	Update on Foregut Molecular Embryology and Role of Regenerative Medicine Therapies. <i>Frontiers in Pediatrics</i> , 2017 , 5, 91	3.4	15
195	Long-term cryopreservation of decellularised oesophagi for tissue engineering clinical application. <i>PLoS ONE</i> , 2017 , 12, e0179341	3.7	30
194	Managing the Complex Esophagus 2017 , 283-290		1
193	Tissue Engineering and Stem Cell Research 2017 , 1-15		
192	Stem cells from amniotic fluid--Potential for regenerative medicine. <i>Best Practice and Research in Clinical Obstetrics and Gynaecology</i> , 2016 , 31, 45-57	4.6	37
191	Esophageal Atresia: Improved Outcome in High-Risk Groups Revisited. <i>European Journal of Pediatric Surgery</i> , 2016 , 26, 227-31	1.9	19
190	First steps to define murine amniotic fluid stem cell microenvironment. <i>Scientific Reports</i> , 2016 , 6, 37080	4.9	10
189	Robust phase retrieval for high resolution edge illumination x-ray phase-contrast computed tomography in non-ideal environments. <i>Scientific Reports</i> , 2016 , 6, 31197	4.9	14
188	Intestinal Regeneration 2016 , 141-149		1
187	Human Chorionic Stem Cells: Podocyte Differentiation and Potential for the Treatment of Alport Syndrome. <i>Stem Cells and Development</i> , 2016 , 25, 395-404	4.4	13
186	Amyloid persistence in decellularized liver: biochemical and histopathological characterization. <i>Amyloid: the International Journal of Experimental and Clinical Investigation: the Official Journal of the International Society of Amyloidosis</i> , 2016 , 23, 1-7	2.7	22
185	Rapid Expansion of Human Epithelial Stem Cells Suitable for Airway Tissue Engineering. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2016 , 194, 156-68	10.2	121
184	Improvement of diaphragmatic performance through orthotopic application of decellularized extracellular matrix patch. <i>Biomaterials</i> , 2016 , 74, 245-55	15.6	45
183	Human Amniotic Fluid Stem Cells Have Hematopoietic Potential In Vivo. <i>Blood</i> , 2016 , 128, 5719-5719	2.2	
182	Optimization of Liver Decellularization Maintains Extracellular Matrix Micro-Architecture and Composition Predisposing to Effective Cell Seeding. <i>PLoS ONE</i> , 2016 , 11, e0155324	3.7	52
181	Counteracting bone fragility with human amniotic mesenchymal stem cells. <i>Scientific Reports</i> , 2016 , 6, 39656	4.9	19
180	Isolation and Expansion of Muscle Precursor Cells from Human Skeletal Muscle Biopsies. <i>Methods in Molecular Biology</i> , 2016 , 1516, 195-204	1.4	8

179	Dry acellular oesophageal matrix prepared by supercritical carbon dioxide. <i>Journal of Supercritical Fluids</i> , 2016 , 115, 33-41	4.2	25
178	Airway tissue engineering for congenital laryngotracheal disease. <i>Seminars in Pediatric Surgery</i> , 2016 , 25, 186-90	2.1	10
177	Novel approach to in-vivo oesophageal regeneration. <i>Lancet, The</i> , 2016 , 388, 6-7	4.0	4
176	Oesophageal atresia is correctable and survivable in infants less than 1kg. <i>Pediatric Surgery International</i> , 2016 , 32, 571-6	2.1	13
175	A novel silk suture-assisted laparoscopic technique for the repair of a gastrocolic fistula in a pediatric patient. <i>Journal of Pediatric Surgery Case Reports</i> , 2016 , 13, 45-47	0.3	1
174	Post-natal erythromycin exposure and risk of infantile hypertrophic pyloric stenosis: a systematic review and meta-analysis. <i>Pediatric Surgery International</i> , 2016 , 32, 1147-1152	2.1	19
173	Umbilical hernia following gastroschisis closure: a common event?. <i>Pediatric Surgery International</i> , 2016 , 32, 811-4	2.1	9
172	Reply to: "Recent Advances in Circumferential Tracheal Replacement and Transplantation". <i>American Journal of Transplantation</i> , 2016 , 16, 1336-7	8.7	1
171	Engineering muscle tissue for the fetus: getting ready for a strong life. <i>Frontiers in Pharmacology</i> , 2015 , 6, 53	5.6	9
170	Decellularized human liver as a natural 3D-scaffold for liver bioengineering and transplantation. <i>Scientific Reports</i> , 2015 , 5, 13079	4.9	265
169	Enrichment in c-Kit improved differentiation potential of amniotic membrane progenitor/stem cells. <i>Placenta</i> , 2015 , 36, 18-26	3.4	19
168	Tissue engineering vascular grafts a fortiori: looking back and going forward. <i>Expert Opinion on Biological Therapy</i> , 2015 , 15, 231-44	5.4	35
167	Reprogramming of mouse amniotic fluid cells using a PiggyBac transposon system. <i>Stem Cell Research</i> , 2015 , 15, 510-3	1.6	6
166	Sheep CD34+ amniotic fluid cells have hematopoietic potential and engraft after autologous in utero transplantation. <i>Stem Cells</i> , 2015 , 33, 122-32	5.8	22
165	Tissue-Engineered Tracheal Replacement in a Child: A 4-Year Follow-Up Study. <i>American Journal of Transplantation</i> , 2015 , 15, 2750-7	8.7	125
164	. <i>Gut</i> , 2015 , 64, A16.2-A17	19.2	0
163	Endothelial properties of third-trimester amniotic fluid stem cells cultured in hypoxia. <i>Stem Cell Research and Therapy</i> , 2015 , 6, 209	8.3	25
162	OP-4 ADVANCES IN TISSUE ENGINEERING TO REGENERATE THE INTESTINAL EPITHELIUM. <i>Journal of Pediatric Gastroenterology and Nutrition</i> , 2015 , 61, 510	2.8	0

161	The use of human amniotic fluid stem cells as an adjunct to promote pulmonary development in a rabbit model for congenital diaphragmatic hernia. <i>Prenatal Diagnosis</i> , 2015 , 35, 833-40	3.2	21
160	Immune regulatory properties of CD117(pos) amniotic fluid stem cells vary according to gestational age. <i>Stem Cells and Development</i> , 2015 , 24, 132-43	4.4	40
159	High contrast microstructural visualization of natural acellular matrices by means of phase-based x-ray tomography. <i>Scientific Reports</i> , 2015 , 5, 18156	4.9	29
158	Stem cells from fetal membranes and amniotic fluid: markers for cell isolation and therapy. <i>Cell and Tissue Banking</i> , 2014 , 15, 199-211	2.2	19
157	Potential of human fetal chorionic stem cells for the treatment of osteogenesis imperfecta. <i>Stem Cells and Development</i> , 2014 , 23, 262-76	4.4	29
156	Principles of Stem Cell Biology 2014 , 39-55		1
155	Testicular outcome following laparoscopic second stage Fowler-Stephens orchidopexy. <i>Journal of Pediatric Urology</i> , 2014 , 10, 186-92	1.5	30
154	Organ bioengineering for the newborn. <i>Seminars in Pediatric Surgery</i> , 2014 , 23, 314-23	2.1	2
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1	The local and systemic response to SARS-CoV-2 infection in children and adults		3