

Valentin Djonov

List of Publications by Year in Descending Order

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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.

234
papers

11,333
citations

56
h-index

98
g-index

244
ext. papers

13,207
ext. citations

5.6
avg, IF

6.3
L-index

#	Paper	IF	Citations
234	Non-Targeted Effects of Synchrotron Radiation: Lessons from Experiments at the Australian and European Synchrotrons. <i>Applied Sciences (Switzerland)</i> , 2022 , 12, 2079	2.6	0
233	Non-conventional Ultra-High Dose Rate (FLASH) Microbeam Radiotherapy Provides Superior Normal Tissue Sparing in Rat Lung Compared to Non-conventional Ultra-High Dose Rate (FLASH) Radiotherapy.. <i>Cureus</i> , 2021 , 13, e19317	1.2	1
232	X-ray Phase Contrast 3D virtual histology: evaluation of lung alterations after micro-beam irradiation. <i>International Journal of Radiation Oncology Biology Physics</i> , 2021 ,	4	1
231	The Cross-Talk between Mesenchymal Stem Cells and Immune Cells in Tissue Repair and Regeneration. <i>International Journal of Molecular Sciences</i> , 2021 , 22,	6.3	14
230	Transient and Efficient Vascular Permeability Window for Adjuvant Drug Delivery Triggered by Microbeam Radiation. <i>Cancers</i> , 2021 , 13,	6.6	1
229	Molecular Mechanisms Responsible for Mesenchymal Stem Cell-Based Treatment of Viral Diseases. <i>Pathogens</i> , 2021 , 10,	4.5	2
228	Synchrotron X-Ray Radiation-Induced Bystander Effect: An Impact of the Scattered Radiation, Distance From the Irradiated Site and p53 Cell Status. <i>Frontiers in Oncology</i> , 2021 , 11, 685598	5.3	5
227	Micro-CT imaging of Thiel-embalmed and iodine-stained human temporal bone for 3D modeling. <i>Journal of Otolaryngology - Head and Neck Surgery</i> , 2021 , 50, 33	5.4	1
226	A Mouse Model for Microbeam Radiation Therapy of the Lung. <i>International Journal of Radiation Oncology Biology Physics</i> , 2021 , 110, 521-525	4	5
225	Microbeam Radiotherapy-A Novel Therapeutic Approach to Overcome Radioresistance and Enhance Anti-Tumour Response in Melanoma. <i>International Journal of Molecular Sciences</i> , 2021 , 22,	6.3	4
224	Counteracting age-related VEGF signaling insufficiency promotes healthy aging and extends life span. <i>Science</i> , 2021 , 373,	33.3	28
223	The anatomical reliability of the superficial circumflex iliac artery perforator (SCIP) flap. <i>Annals of Anatomy</i> , 2021 , 234, 151624	2.9	3
222	VEGF-B Promotes Endocardium-Derived Coronary Vessel Development and Cardiac Regeneration. <i>Circulation</i> , 2021 , 143, 65-77	16.7	18
221	High-Spatial-Resolution Three-dimensional Imaging of Human Spinal Cord and Column Anatomy with Postmortem X-ray Phase-Contrast Micro-CT. <i>Radiology</i> , 2021 , 298, 135-146	20.5	7
220	Mesenchymal Stem Cell-Derived Exosomes as New Remedy for the Treatment of Neurocognitive Disorders. <i>International Journal of Molecular Sciences</i> , 2021 , 22,	6.3	14
219	Unexpected Benefits of Multiport Synchrotron Microbeam Radiation Therapy for Brain Tumors. <i>Cancers</i> , 2021 , 13,	6.6	3
218	Synchrotron Microbeam Radiation Therapy for the Treatment of Lung Carcinoma: A Preclinical Study. <i>International Journal of Radiation Oncology Biology Physics</i> , 2021 , 111, 1276-1288	4	3

217	Collagen fibers provide guidance cues for capillary regrowth during regenerative angiogenesis in zebrafish. <i>Scientific Reports</i> , 2021 , 11, 19520	4.9	1
216	The effects of cigarette smoking and nicotine on the therapeutic potential of mesenchymal stem cells. <i>Histology and Histopathology</i> , 2021 , 18400	1.4	
215	Innovative high-resolution microCT imaging of animal brain vasculature. <i>Brain Structure and Function</i> , 2020 , 225, 2885-2895	4	0
214	Anatomy of the female pelvic nerves: a macroscopic study of the hypogastric plexus and their relations and variations. <i>Journal of Anatomy</i> , 2020 , 237, 487-494	2.9	6
213	Therapeutic Use of Mesenchymal Stem Cell-Derived Exosomes: From Basic Science to Clinics. <i>Pharmaceutics</i> , 2020 , 12,	6.4	33
212	BIF-1 inhibits both mitochondrial and glycolytic ATP production: its downregulation promotes melanoma growth. <i>Oncogene</i> , 2020 , 39, 4944-4955	9.2	3
211	Adaptation mechanism of the adult zebrafish respiratory organ to endurance training. <i>PLoS ONE</i> , 2020 , 15, e0228333	3.7	8
210	Animal Models in Microbeam Radiation Therapy: A Scoping Review. <i>Cancers</i> , 2020 , 12,	6.6	8
209	Synchrotron X-Ray Boost Delivered by Microbeam Radiation Therapy After Conventional X-Ray Therapy Fractionated in Time Improves F98 Glioma Control. <i>International Journal of Radiation Oncology Biology Physics</i> , 2020 , 107, 360-369	4	3
208	Molecular pathogenesis of spontaneous abortions - Whole genome copy number analysis and expression of angiogenic factors. <i>Taiwanese Journal of Obstetrics and Gynecology</i> , 2020 , 59, 99-104	1.6	2
207	Understanding High-Dose, Ultra-High Dose Rate, and Spatially Fractionated Radiation Therapy. <i>International Journal of Radiation Oncology Biology Physics</i> , 2020 , 107, 766-778	4	34
206	The Contribution of the Left Phrenic Nerve to Innervation of the Esophagogastric Junction. <i>Clinical Anatomy</i> , 2020 , 33, 265-274	2.5	1
205	ATG12 deficiency leads to tumor cell oncosis owing to diminished mitochondrial biogenesis and reduced cellular bioenergetics. <i>Cell Death and Differentiation</i> , 2020 , 27, 1965-1980	12.7	8
204	The role of Interleukin 1 receptor antagonist in mesenchymal stem cell-based tissue repair and regeneration. <i>BioFactors</i> , 2020 , 46, 263-275	6.1	28
203	IgA Triggers Cell Death of Neutrophils When Primed by Inflammatory Mediators. <i>Journal of Immunology</i> , 2020 , 205, 2640-2648	5.3	1
202	Effect of Lateral Sliding Calcaneus Osteotomy on Tarsal Tunnel Pressure.. <i>Foot & Ankle Orthopaedics</i> , 2020 , 5, 2473011420931015	0.7	0
201	Therapeutic Potential of Mesenchymal Stem Cells and Their Secretome in the Treatment of SARS-CoV-2-Induced Acute Respiratory Distress Syndrome. <i>Analytical Cellular Pathology</i> , 2020 , 2020, 1939768	3.4	14
200	The Effects of Mesenchymal Stem Cells on Antimelanoma Immunity Depend on the Timing of Their Administration. <i>Stem Cells International</i> , 2020 , 2020, 8842659	5	2

199	Complete Remission of Mouse Melanoma after Temporally Fractionated Microbeam Radiotherapy. <i>Cancers</i> , 2020 , 12,	6.6	5
198	Molecular and Cellular Mechanisms Responsible for Beneficial Effects of Mesenchymal Stem Cell-Derived Product "Exo-d-MAPPS" in Attenuation of Chronic Airway Inflammation. <i>Analytical Cellular Pathology</i> , 2020 , 2020, 3153891	3.4	16
197	Adaptation mechanism of the adult zebrafish respiratory organ to endurance training 2020 , 15, e0228333		
196	Adaptation mechanism of the adult zebrafish respiratory organ to endurance training 2020 , 15, e0228333		
195	Adaptation mechanism of the adult zebrafish respiratory organ to endurance training 2020 , 15, e0228333		
194	Adaptation mechanism of the adult zebrafish respiratory organ to endurance training 2020 , 15, e0228333		
193	Distribution and Restoration of Serotonin-Immunoreactive Paraneuronal Cells During Caudal Fin Regeneration in Zebrafish. <i>Frontiers in Molecular Neuroscience</i> , 2019 , 12, 227	6.1	6
192	Mesenchymal Stem Cell-Based Therapy of Inflammatory Lung Diseases: Current Understanding and Future Perspectives. <i>Stem Cells International</i> , 2019 , 2019, 4236973	5	92
191	Molecular Mechanisms Responsible for Therapeutic Potential of Mesenchymal Stem Cell-Derived Secretome. <i>Cells</i> , 2019 , 8,	7.9	165
190	Molecular mechanisms of cisplatin-induced nephrotoxicity: a balance on the knife edge between renoprotection and tumor toxicity. <i>Journal of Biomedical Science</i> , 2019 , 26, 25	13.3	123
189	SDF-1/CXCR4 signalling is involved in blood vessel growth and remodelling by intussusception. <i>Journal of Cellular and Molecular Medicine</i> , 2019 , 23, 3916-3926	5.6	21
188	Ultra high dose rate Synchrotron Microbeam Radiation Therapy. Preclinical evidence in view of a clinical transfer. <i>Radiotherapy and Oncology</i> , 2019 , 139, 56-61	5.3	24
187	Galectin-3 Regulates Indoleamine-2,3-dioxygenase-Dependent Cross-Talk between Colon-Infiltrating Dendritic Cells and T Regulatory Cells and May Represent a Valuable Biomarker for Monitoring the Progression of Ulcerative Colitis. <i>Cells</i> , 2019 , 8,	7.9	10
186	Synchrotron Microbeam Radiation Therapy as a New Approach for the Treatment of Radioresistant Melanoma: Potential Underlying Mechanisms. <i>International Journal of Radiation Oncology Biology Physics</i> , 2019 , 105, 1126-1136	4	19
185	Galectin 3 protects from cisplatin-induced acute kidney injury by promoting TLR-2-dependent activation of IDO1/Kynurenine pathway in renal DCs. <i>Theranostics</i> , 2019 , 9, 5976-6001	12.1	22
184	Therapeutic Potential of Amniotic Fluid Derived Mesenchymal Stem Cells Based on their Differentiation Capacity and Immunomodulatory Properties. <i>Current Stem Cell Research and Therapy</i> , 2019 , 14, 327-336	3.6	18
183	Therapeutic Potential of Mesenchymal Stem Cells and Their Secretome in the Treatment of Glaucoma. <i>Stem Cells International</i> , 2019 , 2019, 7869130	5	33
182	Mesenchymal Stem Cell-Derived Exosomes and Other Extracellular Vesicles as New Remedies in the Therapy of Inflammatory Diseases. <i>Cells</i> , 2019 , 8,	7.9	190

181	Nitric oxide regulates intussusceptive-like angiogenesis in wound repair in chicken embryo and transgenic zebrafish models. <i>Nitric Oxide - Biology and Chemistry</i> , 2019 , 82, 48-58	5	19
180	Ex vivo microangiCT: Advances in microvascular imaging. <i>Vascular Pharmacology</i> , 2019 , 112, 2-7	5.9	6
179	Molecular Mechanisms Responsible for Anti-inflammatory and Immunosuppressive Effects of Mesenchymal Stem Cell-Derived Factors. <i>Advances in Experimental Medicine and Biology</i> , 2019 , 1084, 187-206	3.6	41
178	Intraperitoneal administration of mesenchymal stem cells ameliorates acute dextran sulfate sodium-induced colitis by suppressing dendritic cells. <i>Biomedicine and Pharmacotherapy</i> , 2018 , 100, 426-432	7.5	21
177	Crosstalk between mesenchymal stem cells and T regulatory cells is crucially important for the attenuation of acute liver injury. <i>Liver Transplantation</i> , 2018 , 24, 687-702	4.5	29
176	The anatomy of the male inferior hypogastric plexus: What should we know for nerve sparing surgery. <i>Clinical Anatomy</i> , 2018 , 31, 788-796	2.5	7
175	Molecular mechanisms underlying therapeutic potential of pericytes. <i>Journal of Biomedical Science</i> , 2018 , 25, 21	13.3	50
174	Mesenchymal stem cells protect from acute liver injury by attenuating hepatotoxicity of liver natural killer T cells in an inducible nitric oxide synthase- and indoleamine 2,3-dioxygenase-dependent manner. <i>Journal of Tissue Engineering and Regenerative Medicine</i> , 2018 , 12, e1173-e1185	4.4	35
173	Synergistic interaction of sprouting and intussusceptive angiogenesis during zebrafish caudal vein plexus development. <i>Scientific Reports</i> , 2018 , 8, 9840	4.9	35
172	Risks of Using Sterilization by Gamma Radiation: The Other Side of the Coin. <i>International Journal of Medical Sciences</i> , 2018 , 15, 274-279	3.7	68
171	PDGF-BB regulates splitting angiogenesis in skeletal muscle by limiting VEGF-induced endothelial proliferation. <i>Angiogenesis</i> , 2018 , 21, 883-900	10.6	67
170	Ethical and Safety Issues of Stem Cell-Based Therapy. <i>International Journal of Medical Sciences</i> , 2018 , 15, 36-45	3.7	297
169	Splitting of circulating red blood cells as an mechanism of erythrocyte maturation in developing zebrafish, chick and mouse embryos. <i>Journal of Experimental Biology</i> , 2018 , 221,	3	6
168	Cutting-edge microangi-CT: new dimensions in vascular imaging and kidney morphometry. <i>American Journal of Physiology - Renal Physiology</i> , 2018 , 314, F493-F499	4.3	18
167	Mesenchymal stem cells attenuate liver fibrosis by suppressing Th17 cells - an experimental study. <i>Transplant International</i> , 2018 , 31, 102-115	3	47
166	Quantitative Assessment of Brain Tumor Radiation Treatment Reveals Decrease in Tumor-supporting Vessels. <i>Microscopy and Microanalysis</i> , 2018 , 24, 374-375	0.5	
165	Characterization of a B16-F10 melanoma model locally implanted into the ear pinnae of C57BL/6 mice. <i>PLoS ONE</i> , 2018 , 13, e0206693	3.7	16
164	Indoleamine 2,3-dioxygenase-dependent expansion of T-regulatory cells maintains mucosal healing in ulcerative colitis. <i>Therapeutic Advances in Gastroenterology</i> , 2018 , 11, 1756284818793558	4.7	14

163	Therapeutic Potential of Mesenchymal Stem Cell-Derived Exosomes in the Treatment of Eye Diseases. <i>Advances in Experimental Medicine and Biology</i> , 2018 , 1089, 47-57	3.6	45
162	Consensus guidelines for the use and interpretation of angiogenesis assays. <i>Angiogenesis</i> , 2018 , 21, 425-538	5.3	285
161	Effects of Synchrotron X-Ray Micro-beam Irradiation on Normal Mouse Ear Pinnae. <i>International Journal of Radiation Oncology Biology Physics</i> , 2018 , 101, 680-689	4	15
160	Notch-inducing hydrogels reveal a perivascular switch of mesenchymal stem cell fate. <i>EMBO Reports</i> , 2018 , 19,	6.5	30
159	Increased Proangiogenic Activity of Mobilized CD34+ Progenitor Cells of Patients With Acute ST-Segment-Elevation Myocardial Infarction: Role of Differential MicroRNA-378 Expression. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2017 , 37, 341-349	9.4	28
158	Correlative Imaging of the Murine Hind Limb Vasculature and Muscle Tissue by MicroCT and Light Microscopy. <i>Scientific Reports</i> , 2017 , 7, 41842	4.9	32
157	Mesenchymal stem cells attenuate acute liver injury by altering ratio between interleukin 17 producing and regulatory natural killer T cells. <i>Liver Transplantation</i> , 2017 , 23, 1040-1050	4.5	51
156	Permeability of Brain Tumor Vessels Induced by Uniform or Spatially Microfractionated Synchrotron Radiation Therapies. <i>International Journal of Radiation Oncology Biology Physics</i> , 2017 , 98, 1174-1182	4	30
155	Brain ultrasound rehearsal before surgery: A pilot cadaver study. <i>Clinical Anatomy</i> , 2017 , 30, 1017-1023	2.5	5
154	Percutaneous screw fixation of the iliosacral joint: A case-based preoperative planning approach reduces operating time and radiation exposure. <i>Injury</i> , 2017 , 48, 1825-1830	2.5	6
153	Neuropilin1 regulates glomerular function and basement membrane composition through pericytes in the mouse kidney. <i>Kidney International</i> , 2017 , 91, 868-879	9.9	11
152	Endoglin inhibition leads to intussusceptive angiogenesis via activation of factors related to COUP-TFII signaling pathway. <i>PLoS ONE</i> , 2017 , 12, e0182813	3.7	19
151	Mesenchymal stem cell-derived factors: Immuno-modulatory effects and therapeutic potential. <i>BioFactors</i> , 2017 , 43, 633-644	6.1	83
150	Microbeam radiation therapy - grid therapy and beyond: a clinical perspective. <i>British Journal of Radiology</i> , 2017 , 90, 20170073	3.4	41
149	The Pararectus approach provides secure access to the deep circumflex iliac vessel for harvest of a large sized and vascularized segment of the iliac crest. <i>Injury</i> , 2017 , 48, 2169-2173	2.5	4
148	Interference with Gs-Coupled Receptor Signaling in Renin-Producing Cells Leads to Renal Endothelial Damage. <i>Journal of the American Society of Nephrology: JASN</i> , 2017 , 28, 3479-3489	12.7	10
147	Combined maceration procedure permits advanced microsurgical dissection of Thiel-embalmed specimens. <i>Annals of Anatomy</i> , 2017 , 210, 9-17	2.9	7
146	Role of Notch, SDF-1 and Mononuclear Cells Recruitment in Angiogenesis 2017 ,		1

145	Mesenchymal Stem Cells Attenuate Cisplatin-Induced Nephrotoxicity in iNOS-Dependent Manner. <i>Stem Cells International</i> , 2017 , 2017, 1315378	5	15
144	Mesenchymal Stem Cell-Dependent Modulation of Liver Diseases. <i>International Journal of Biological Sciences</i> , 2017 , 13, 1109-1117	11.2	40
143	Mesenchymal Stem Cells Promote Metastasis of Lung Cancer Cells by Downregulating Systemic Antitumor Immune Response. <i>Stem Cells International</i> , 2017 , 2017, 6294717	5	22
142	Prevention of cement leakage into the hip joint by a standard cement plug during PFN-A cement augmentation: a technical note. <i>Archives of Orthopaedic and Trauma Surgery</i> , 2016 , 136, 747-50	3.6	4
141	Surgical exposures and options for instrumentation in acetabular fracture fixation: Pararectus approach versus the modified Stoppa. <i>Injury</i> , 2016 , 47, 695-701	2.5	39
140	Pharmacological Modulation of Hemodynamics in Adult Zebrafish In Vivo. <i>PLoS ONE</i> , 2016 , 11, e0150948	3.7	3
139	Dynamics of the Developing Chick Chorioallantoic Membrane Assessed by Stereology, Allometry, Immunohistochemistry and Molecular Analysis. <i>PLoS ONE</i> , 2016 , 11, e0152821	3.7	21
138	Morphological Aspects of Tumor Angiogenesis. <i>Methods in Molecular Biology</i> , 2016 , 1464, 13-24	1.4	5
137	High-Throughput Glomeruli Analysis of (mu)CT Kidney Images Using Tree Priors and Scalable Sparse Computation. <i>Lecture Notes in Computer Science</i> , 2016 , 370-378	0.9	
136	Zebrafish Caudal Fin Angiogenesis Assay-Advanced Quantitative Assessment Including 3-Way Correlative Microscopy. <i>PLoS ONE</i> , 2016 , 11, e0149281	3.7	15
135	Modeling the Behavior of Red Blood Cells within the Caudal Vein Plexus of Zebrafish. <i>Frontiers in Physiology</i> , 2016 , 7, 455	4.6	6
134	Early markers for myocardial ischemia and sudden cardiac death. <i>International Journal of Legal Medicine</i> , 2016 , 130, 1265-80	3.1	40
133	Dual Role of Mesenchymal Stem Cells Allows for Microvascularized Bone Tissue-Like Environments in PEG Hydrogels. <i>Advanced Healthcare Materials</i> , 2016 , 5, 489-98	10.1	40
132	Structural decoding of netrin-4 reveals a regulatory function towards mature basement membranes. <i>Nature Communications</i> , 2016 , 7, 13515	17.4	48
131	Structure and hemodynamics of vascular networks in the chorioallantoic membrane of the chicken. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2016 , 311, H913-H926	5.2	16
130	Synchrotron microbeam irradiation induces neutrophil infiltration, thrombocyte attachment and selective vascular damage in vivo. <i>Scientific Reports</i> , 2016 , 6, 33601	4.9	26
129	A synthetic biology-based device prevents liver injury in mice. <i>Journal of Hepatology</i> , 2016 , 65, 84-94	13.4	38
128	Effects of microbeam radiation therapy on normal and tumoral blood vessels. <i>Physica Medica</i> , 2015 , 31, 634-41	2.7	57

127	Prenatal and Postnatal Development of the Vertebrate Blood-Brain Barrier 2015 , 39-64		2
126	Generation of a murine hepatic angiosarcoma cell line and reproducible mouse tumor model. <i>Laboratory Investigation</i> , 2015 , 95, 351-62	5.9	7
125	Genetic, Genomic and Epigenomic Studies of Balkan Endemic Nephropathy (Ben). <i>Prilozi - Makedonska Akademija Na Naukite I Umetnostite Oddelenie Za Medicinski Nauki</i> , 2015 , 36, 101-8	0.5	
124	FOXC2 and fluid shear stress stabilize postnatal lymphatic vasculature. <i>Journal of Clinical Investigation</i> , 2015 , 125, 3861-77	15.9	137
123	The Phosphoinositide 3-Kinase p110 β Isoform Regulates Leukemia Inhibitory Factor Receptor Expression via c-Myc and miR-125b to Promote Cell Proliferation in Medulloblastoma. <i>PLoS ONE</i> , 2015 , 10, e0123958	3.7	22
122	RNA interference screening identifies a novel role for PCTK1/CDK16 in medulloblastoma with c-Myc amplification. <i>Oncotarget</i> , 2015 , 6, 116-29	3.3	14
121	Avian area vasculosa and CAM as rapid in vivo pro-angiogenic and antiangiogenic models. <i>Methods in Molecular Biology</i> , 2015 , 1214, 185-96	1.4	3
120	NADPH oxidase-independent formation of extracellular DNA traps by basophils. <i>Journal of Immunology</i> , 2014 , 192, 5314-23	5.3	107
119	Human IgA Fc receptor Fc α RI (CD89) triggers different forms of neutrophil death depending on the inflammatory microenvironment. <i>Journal of Immunology</i> , 2014 , 193, 5649-59	5.3	22
118	VEGF-B-induced vascular growth leads to metabolic reprogramming and ischemia resistance in the heart. <i>EMBO Molecular Medicine</i> , 2014 , 6, 307-21	12	106
117	Split for the cure: VEGF, PDGF-BB and intussusception in therapeutic angiogenesis. <i>Biochemical Society Transactions</i> , 2014 , 42, 1637-42	5.1	33
116	NGS nominated CELA1, HSPG2, and KCNK5 as candidate genes for predisposition to Balkan endemic nephropathy. <i>BioMed Research International</i> , 2014 , 2014, 920723	3	17
115	Casting materials and their application in research and teaching. <i>Microscopy and Microanalysis</i> , 2014 , 20, 493-513	0.5	18
114	Three-Dimensional Structure and Disposition of the Air Conducting and Gas Exchange Conduits of the Avian Lung: The Domestic Duck (<i>Cairina moschata</i>). <i>ISRN Anatomy</i> , 2014 , 2014, 621982		4
113	Prognostic value of matrix metalloproteinases in oral squamous cell carcinoma. <i>Biotechnology and Biotechnological Equipment</i> , 2014 , 28, 1138-1149	1.6	11
112	Targeting class IA PI3K isoforms selectively impairs cell growth, survival, and migration in glioblastoma. <i>PLoS ONE</i> , 2014 , 9, e94132	3.7	30
111	Inhibition of Notch signaling induces extensive intussusceptive neo-angiogenesis by recruitment of mononuclear cells. <i>Angiogenesis</i> , 2013 , 16, 921-37	10.6	47
110	Whole genome methylation array analysis reveals new aspects in Balkan endemic nephropathy etiology. <i>BMC Nephrology</i> , 2013 , 14, 225	2.7	14

109	Tenascin-C downregulates wnt inhibitor dickkopf-1, promoting tumorigenesis in a neuroendocrine tumor model. <i>Cell Reports</i> , 2013 , 5, 482-92	10.6	77
108	Response of the rat spinal cord to X-ray microbeams. <i>Radiotherapy and Oncology</i> , 2013 , 106, 106-11	5.3	45
107	VEGF over-expression in skeletal muscle induces angiogenesis by intussusception rather than sprouting. <i>Angiogenesis</i> , 2013 , 16, 123-36	10.6	57
106	Development and remodeling of the vertebrate blood-gas barrier. <i>BioMed Research International</i> , 2013 , 2013, 101597	3	18
105	Symbol/Meaning paired-associate recall: an "archetypal memory" advantage?. <i>Behavioral Sciences (Basel, Switzerland)</i> , 2013 , 3, 541-61	2.3	2
104	RNA interference screening identifies a novel role for autocrine fibroblast growth factor signaling in neuroblastoma chemoresistance. <i>Oncogene</i> , 2013 , 32, 3944-53	9.2	17
103	Everolimus dual effects of an area vasculosa angiogenesis and lymphangiogenesis. <i>In Vivo</i> , 2013 , 27, 61-6	2.3	2
102	Pre-hatch lung development in the ostrich. <i>Respiratory Physiology and Neurobiology</i> , 2012 , 180, 183-92	2.8	6
101	Reconstruction of the medial patellofemoral ligament using the adductor magnus tendon: an anatomic study. <i>Arthroscopy - Journal of Arthroscopic and Related Surgery</i> , 2012 , 28, 105-9	5.4	26
100	A pedicled bone graft from the acromion: an anatomical investigation regarding surgical feasibility. <i>Journal of Shoulder and Elbow Surgery</i> , 2012 , 21, 604-11	4.3	4
99	Intussusceptive microvascular growth in tumors. <i>Cancer Letters</i> , 2012 , 316, 126-31	9.9	82
98	Disruption of Notch1 induces vascular remodeling, intussusceptive angiogenesis, and angiosarcomas in livers of mice. <i>Gastroenterology</i> , 2012 , 142, 967-977.e2	13.3	89
97	An anatomical investigation of the cervicothoracic ganglion. <i>Clinical Anatomy</i> , 2012 , 25, 444-51	2.5	14
96	Podocyte EphB4 signaling helps recovery from glomerular injury. <i>Kidney International</i> , 2012 , 81, 1212-25.9	9.9	19
95	Intussusceptive angiogenesis: a biologically relevant form of angiogenesis. <i>Journal of Vascular Research</i> , 2012 , 49, 390-404	1.9	119
94	The effects of PTK787/ZK222584, an inhibitor of VEGFR and PDGFR pathways, on intussusceptive angiogenesis and glomerular recovery from Thy1.1 nephritis. <i>American Journal of Pathology</i> , 2011 , 178, 1899-912	5.8	23
93	A transgenic model for conditional induction and rescue of portal hypertension reveals a role of VEGF-mediated regulation of sinusoidal fenestrations. <i>PLoS ONE</i> , 2011 , 6, e21478	3.7	38
92	Intussusceptive angiogenesis: pillars against the blood flow. <i>Acta Physiologica</i> , 2011 , 202, 213-23	5.6	59

91	The pulmonary blood-gas barrier in the avian embryo: inauguration, development and refinement. <i>Respiratory Physiology and Neurobiology</i> , 2011 , 178, 30-8	2.8	9
90	Spatial and functional relationships between air conduits and blood capillaries in the pulmonary gas exchange tissue of adult and developing chickens. <i>Microscopy Research and Technique</i> , 2011 , 74, 159-69	2.8	15
89	Microbeam radiation-induced tissue damage depends on the stage of vascular maturation. <i>International Journal of Radiation Oncology Biology Physics</i> , 2011 , 80, 1522-32	4	42
88	Decrease in VEGF expression induces intussusceptive vascular pruning. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2011 , 31, 2836-44	9.4	34
87	Everolimus augments the effects of sorafenib in a syngeneic orthotopic model of hepatocellular carcinoma. <i>Molecular Cancer Therapeutics</i> , 2011 , 10, 1007-17	6.1	66
86	Angiogenesis in development and cancer today. <i>International Journal of Developmental Biology</i> , 2011 , 55, 343-4	1.9	6
85	Escape mechanisms after antiangiogenic treatment, or why are the tumors growing again?. <i>International Journal of Developmental Biology</i> , 2011 , 55, 563-7	1.9	34
84	VEGF-A promotes intussusceptive angiogenesis in the developing chicken chorioallantoic membrane. <i>Microcirculation</i> , 2010 , 17, 447-57	2.9	34
83	Self-sufficient control of urate homeostasis in mice by a synthetic circuit. <i>Nature Biotechnology</i> , 2010 , 28, 355-60	44.5	202
82	Pulsatile shear and Gja5 modulate arterial identity and remodeling events during flow-driven arteriogenesis. <i>Development (Cambridge)</i> , 2010 , 137, 2187-96	6.6	138
81	Coronary optical frequency domain imaging (OFDI) for in vivo evaluation of stent healing: comparison with light and electron microscopy. <i>European Heart Journal</i> , 2010 , 31, 1792-801	9.5	90
80	MMP19 is upregulated during melanoma progression and increases invasion of melanoma cells. <i>Modern Pathology</i> , 2010 , 23, 511-21	9.8	34
79	Matrix metalloproteinases and angiogenic factors: predictors of survival after radical prostatectomy for clinically organ-confined prostate cancer?. <i>American Journal of Pathology</i> , 2010 , 177, 2216-24	5.8	24
78	The mammary gland vasculature revisited. <i>Journal of Mammary Gland Biology and Neoplasia</i> , 2010 , 15, 319-28	2.4	49
77	Intussusceptive angiogenesis and its role in vascular morphogenesis, patterning, and remodeling. <i>Angiogenesis</i> , 2009 , 12, 113-23	10.6	157
76	Antiaggregatory and proangiogenic effects of a novel recombinant human dual specificity anti-integrin antibody. <i>Journal of Thrombosis and Haemostasis</i> , 2009 , 7, 460-9	15.4	4
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