

Valentin Djonov

List of Publications by Year in descending order

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239
papers

14,939
citations

18436

62
h-index

23472

111
g-index

244
all docs

244
docs citations

244
times ranked

18152
citing authors

#	ARTICLE	IF	CITATIONS
1	Ethical and Safety Issues of Stem Cell-Based Therapy. International Journal of Medical Sciences, 2018, 15, 36-45.	1.1	507
2	Cell-Demanded release of VEGF from synthetic, biointeractive cell-growth matrices for vascularized tissue growth. FASEB Journal, 2003, 17, 2260-2262.	0.2	501
3	Mesenchymal Stem Cell-Derived Exosomes and Other Extracellular Vesicles as New Remedies in the Therapy of Inflammatory Diseases. Cells, 2019, 8, 1605.	1.8	433
4	Consensus guidelines for the use and interpretation of angiogenesis assays. Angiogenesis, 2018, 21, 425-532.	3.7	429
5	Flow regulates arterial-venous differentiation in the chick embryo yolk sac. Development (Cambridge), 2004, 131, 361-375.	1.2	417
6	Conditional switching of VEGF provides new insights into adult neovascularization and pro-angiogenic therapy. EMBO Journal, 2002, 21, 1939-1947.	3.5	355
7	Cell-Demanded Liberation of VEGF ₁₂₁ From Fibrin Implants Induces Local and Controlled Blood Vessel Growth. Circulation Research, 2004, 94, 1124-1132.	2.0	355
8	Intussusceptive angiogenesis: Its emergence, its characteristics, and its significance. Developmental Dynamics, 2004, 231, 474-488.	0.8	317
9	Molecular Mechanisms Responsible for Therapeutic Potential of Mesenchymal Stem Cell-Derived Secretome. Cells, 2019, 8, 467.	1.8	304
10	Intussusceptive Angiogenesis. Circulation Research, 2000, 86, 286-292.	2.0	295
11	Vascular remodeling by intussusceptive angiogenesis. Cell and Tissue Research, 2003, 314, 107-117.	1.5	253
12	Molecular mechanisms of cisplatin-induced nephrotoxicity: a balance on the knife edge between renoprotection and tumor toxicity. Journal of Biomedical Science, 2019, 26, 25.	2.6	249
13	Self-sufficient control of urate homeostasis in mice by a synthetic circuit. Nature Biotechnology, 2010, 28, 355-360.	9.4	244
14	Chorioallantoic membrane capillary bed: A useful target for studying angiogenesis and anti-angiogenesis in vivo. The Anatomical Record, 2001, 264, 317-324.	2.3	235
15	Vascular remodeling and antitumoral effects of mTOR inhibition in a rat model of hepatocellular carcinoma. Journal of Hepatology, 2007, 46, 840-848.	1.8	215
16	Enzymatic formation of modular cell-instructive fibrin analogs for tissue engineering. Biomaterials, 2007, 28, 3856-3866.	5.7	203
17	Intussusceptive angiogenesis is "the alternative to capillary sprouting. Molecular Aspects of Medicine, 2002, 23, 1-27.	2.7	201
18	Intussusceptive angiogenesis and its role in vascular morphogenesis, patterning, and remodeling. Angiogenesis, 2009, 12, 113-123.	3.7	189

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19	FOXC2 and fluid shear stress stabilize postnatal lymphatic vasculature. <i>Journal of Clinical Investigation</i> , 2015, 125, 3861-3877.	3.9	186
20	Optimality in the developing vascular system: Branching remodeling by means of intussusception as an efficient adaptation mechanism. <i>Developmental Dynamics</i> , 2002, 224, 391-402.	0.8	177
21	Programmed Cell Death Contributes to Postnatal Lung Development. <i>American Journal of Respiratory Cell and Molecular Biology</i> , 1998, 18, 786-793.	1.4	170
22	Pulsatile shear and Gja5 modulate arterial identity and remodeling events during flow-driven arteriogenesis. <i>Development (Cambridge)</i> , 2010, 137, 2187-2196.	1.2	166
23	Vascular remodelling during the normal and malignant life cycle of the mammary gland. <i>Microscopy Research and Technique</i> , 2001, 52, 182-189.	1.2	162
24	Intussusceptive Angiogenesis: A Biologically Relevant Form of Angiogenesis. <i>Journal of Vascular Research</i> , 2012, 49, 390-404.	0.6	154
25	Design of Custom-Shaped Vascularized Tissues Using Microtissue Spheroids as Minimal Building Units. <i>Tissue Engineering</i> , 2006, 12, 2151-2160.	4.9	146
26	EphB4 controls blood vascular morphogenesis during postnatal angiogenesis. <i>EMBO Journal</i> , 2006, 25, 628-641.	3.5	146
27	Mesenchymal Stem Cell-Based Therapy of Inflammatory Lung Diseases: Current Understanding and Future Perspectives. <i>Stem Cells International</i> , 2019, 2019, 1-14.	1.2	145
28	Counteracting age-related VEGF signaling insufficiency promotes healthy aging and extends life span. <i>Science</i> , 2021, 373, .	6.0	139
29	NADPH Oxidase-Independent Formation of Extracellular DNA Traps by Basophils. <i>Journal of Immunology</i> , 2014, 192, 5314-5323.	0.4	138
30	Postmortem Angiography: Review of Former and Current Methods. <i>American Journal of Roentgenology</i> , 2007, 188, 832-838.	1.0	136
31	<sc>VEGF</sc>-induced vascular growth leads to metabolic reprogramming and ischemia resistance in the heart. <i>EMBO Molecular Medicine</i> , 2014, 6, 307-321.	3.3	127
32	Mesenchymal stem cell-derived factors: Immunomodulatory effects and therapeutic potential. <i>BioFactors</i> , 2017, 43, 633-644.	2.6	125
33	Distinct Roles of Vascular Endothelial Growth Factor-D in Lymphangiogenesis and Metastasis. <i>American Journal of Pathology</i> , 2007, 170, 1348-1361.	1.9	119
34	Significant correlation of hypoxia-inducible factor-1 \pm with treatment outcome in cervical cancer treated with radical radiotherapy. <i>International Journal of Radiation Oncology Biology Physics</i> , 2003, 56, 494-501.	0.4	117
35	Transgenic system for conditional induction and rescue of chronic myocardial hibernation provides insights into genomic programs of hibernation. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2008, 105, 282-287.	3.3	116
36	Tumor Recovery by Angiogenic Switch from Sprouting to Intussusceptive Angiogenesis after Treatment with PTK787/ZK222584 or Ionizing Radiation. <i>American Journal of Pathology</i> , 2008, 173, 1173-1185.	1.9	113

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37	Risks of Using Sterilization by Gamma Radiation: The Other Side of the Coin. <i>International Journal of Medical Sciences</i> , 2018, 15, 274-279.	1.1	113
38	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, 1792-1801.	1.0	109
39	Disruption of Notch1 Induces Vascular Remodeling, Intussusceptive Angiogenesis, and Angiosarcomas in Livers of Mice. <i>Gastroenterology</i> , 2012, 142, 967-977.e2.	0.6	108
40	Hypoxia-inducible factor 1 alpha in high-risk breast cancer: an independent prognostic parameter?. <i>Breast Cancer Research</i> , 2004, 6, R191-8.	2.2	106
41	Two-Step Postmortem Angiography with a Modified Heartâ€“Lung Machine: Preliminary Results. <i>American Journal of Roentgenology</i> , 2008, 190, 345-351.	1.0	103
42	PDGF-BB regulates splitting angiogenesis in skeletal muscle by limiting VEGF-induced endothelial proliferation. <i>Angiogenesis</i> , 2018, 21, 883-900.	3.7	101
43	Intussusceptive microvascular growth in tumors. <i>Cancer Letters</i> , 2012, 316, 126-131.	3.2	100
44	Tenascin-C Downregulates Wnt Inhibitor Dickkopf-1, Promoting Tumorigenesis in a Neuroendocrine Tumor Model. <i>Cell Reports</i> , 2013, 5, 482-492.	2.9	100
45	A Novel Family of Serine/Threonine Kinases Participating in Spermiogenesis. <i>Journal of Cell Biology</i> , 1997, 139, 1851-1859.	2.3	84
46	Involvement of the hepatocyte growth factor/scatter factor receptor c-met and of Bcl-xL in the resistance of oropharyngeal cancer to ionizing radiation. <i>International Journal of Cancer</i> , 2001, 96, 41-54.	2.3	82
47	Molecular mechanisms underlying therapeutic potential of pericytes. <i>Journal of Biomedical Science</i> , 2018, 25, 21.	2.6	82
48	VEGF profiling and angiogenesis in human microtissues. <i>Journal of Biotechnology</i> , 2005, 118, 213-229.	1.9	81
49	Postmortem Angiography After Vascular Perfusion with Diesel Oil and a Lipophilic Contrast Agent. <i>American Journal of Roentgenology</i> , 2006, 187, W515-W523.	1.0	81
50	Effects of microbeam radiation therapy on normal and tumoral blood vessels. <i>Physica Medica</i> , 2015, 31, 634-641.	0.4	79
51	Angiogenesis and Vascular Remodeling by Intussusception: From Form to Function. <i>Physiology</i> , 2003, 18, 65-70.	1.6	76
52	Molecular Mechanisms Responsible for Anti-inflammatory and Immunosuppressive Effects of Mesenchymal Stem Cell-Derived Factors. <i>Advances in Experimental Medicine and Biology</i> , 2018, 1084, 187-206.	0.8	75
53	Structural decoding of netrin-4 reveals a regulatory function towards mature basement membranes. <i>Nature Communications</i> , 2016, 7, 13515.	5.8	74
54	Anatomic Considerations for the Choice of Surgical Approach for Hip Resurfacing Arthroplasty. <i>Orthopedic Clinics of North America</i> , 2005, 36, 163-170.	0.5	72

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55	Everolimus Augments the Effects of Sorafenib in a Syngeneic Orthotopic Model of Hepatocellular Carcinoma. <i>Molecular Cancer Therapeutics</i> , 2011, 10, 1007-1017.	1.9	72
56	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.	0.8	71
57	Intussusceptive angiogenesis: pillars against the blood flow. <i>Acta Physiologica</i> , 2011, 202, 213-223.	1.8	70
58	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.	0.4	70
59	Making vascular networks in the adult: branching morphogenesis without a roadmap. <i>Trends in Cell Biology</i> , 2003, 13, 131-136.	3.6	67
60	VEGF over-expression in skeletal muscle induces angiogenesis by intussusception rather than sprouting. <i>Angiogenesis</i> , 2013, 16, 123-136.	3.7	67
61	Therapeutic Use of Mesenchymal Stem Cell-Derived Exosomes: From Basic Science to Clinics. <i>Pharmaceutics</i> , 2020, 12, 474.	2.0	67
62	MMP-19: cellular localization of a novel metalloproteinase within normal breast tissue and mammary gland tumours. <i>Journal of Pathology</i> , 2001, 195, 147-155.	2.1	66
63	Applications of synchrotron X-rays to radiotherapy. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2005, 548, 17-22.	0.7	66
64	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.	1.3	66
65	Mesenchymal stem cells attenuate liver fibrosis by suppressing Th17 cells - an experimental study. <i>Transplant International</i> , 2018, 31, 102-115.	0.8	66
66	Microbeam radiation therapy "grid" therapy and beyond: a clinical perspective. <i>British Journal of Radiology</i> , 2017, 90, 20170073.	1.0	65
67	The role of Interleukin 1 receptor antagonist in mesenchymal stem cell-based tissue repair and regeneration. <i>BioFactors</i> , 2020, 46, 263-275.	2.6	65
68	Expression of stromelysin-1 and timp-1 in the involuting mammary gland and in early invasive tumors of the mouse. <i>International Journal of Cancer</i> , 1994, 59, 560-568.	2.3	64
69	The Mammary Gland Vasculature Revisited. <i>Journal of Mammary Gland Biology and Neoplasia</i> , 2010, 15, 319-328.	1.0	63
70	Surgical exposures and options for instrumentation in acetabular fracture fixation: Pararectus approach versus the modified Stoppa. <i>Injury</i> , 2016, 47, 695-701.	0.7	62
71	Mesenchymal Stem Cell-Dependent Modulation of Liver Diseases. <i>International Journal of Biological Sciences</i> , 2017, 13, 1109-1117.	2.6	62
72	Synergistic interaction of sprouting and intussusceptive angiogenesis during zebrafish caudal vein plexus development. <i>Scientific Reports</i> , 2018, 8, 9840.	1.6	61

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73	Correlation between the tumoral expression of β 3-integrin and outcome in cervical cancer patients who had undergone radiotherapy. <i>British Journal of Cancer</i> , 2005, 92, 41-46.	2.9	59
74	Engineered fibrin matrices for functional display of cell membrane-bound growth factor-like activities: Study of angiogenic signaling by ephrin-B2. <i>Biomaterials</i> , 2004, 25, 3245-3257.	5.7	58
75	Tissue-Transplant Fusion and Vascularization of Myocardial Microtissues and Macrotissues Implanted into Chicken Embryos and Rats. <i>Tissue Engineering</i> , 2006, 12, 2541-2553.	4.9	58
76	Inhibition of Notch signaling induces extensive intussusceptive neo-angiogenesis by recruitment of mononuclear cells. <i>Angiogenesis</i> , 2013, 16, 921-937.	3.7	57
77	Therapeutic Potential of Mesenchymal Stem Cells and Their Secretome in the Treatment of Glaucoma. <i>Stem Cells International</i> , 2019, 2019, 1-11.	1.2	57
78	VEGF-B Promotes Endocardium-Derived Coronary Vessel Development and Cardiac Regeneration. <i>Circulation</i> , 2021, 143, 65-77.	1.6	57
79	Microbeam Radiation-Induced Tissue Damage Depends on the Stage of Vascular Maturation. <i>International Journal of Radiation Oncology Biology Physics</i> , 2011, 80, 1522-1532.	0.4	56
80	Early markers for myocardial ischemia and sudden cardiac death. <i>International Journal of Legal Medicine</i> , 2016, 130, 1265-1280.	1.2	55
81	Microvascular growth, development, and remodeling in the embryonic avian kidney: The interplay between sprouting and intussusceptive angiogenic mechanisms. <i>Microscopy Research and Technique</i> , 2005, 66, 275-288.	1.2	54
82	Microvascular endowment in the developing chicken embryo lung. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , 2007, 292, L1136-L1146.	1.3	53
83	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.	1.3	53
84	Recombinant human erythropoietin induces intussusceptive microvascular growth in vivo. <i>Leukemia</i> , 2004, 18, 331-336.	3.3	52
85	The Cross-Talk between Mesenchymal Stem Cells and Immune Cells in Tissue Repair and Regeneration. <i>International Journal of Molecular Sciences</i> , 2021, 22, 2472.	1.8	52
86	Response of the rat spinal cord to X-ray microbeams. <i>Radiotherapy and Oncology</i> , 2013, 106, 106-111.	0.3	51
87	Dual Role of Mesenchymal Stem Cells Allows for Microvascularized Bone Tissue-Like Environments in PEG Hydrogels. <i>Advanced Healthcare Materials</i> , 2016, 5, 489-498.	3.9	51
88	Caveolin-1 is required for signaling and membrane targeting of EphB1 receptor tyrosine kinase. <i>Journal of Cell Science</i> , 2006, 119, 2299-2309.	1.2	50
89	Intratumoral microvessel density predicts local treatment failure of radically irradiated squamous cell cancer of the oropharynx. <i>International Journal of Radiation Oncology Biology Physics</i> , 2000, 48, 17-25.	0.4	48
90	Placental Growth Factor-1 Attenuates Vascular Endothelial Growth Factor-Dependent Tumor Angiogenesis during β 2 Cell Carcinogenesis. <i>Cancer Research</i> , 2007, 67, 10840-10848.	0.4	48

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91	A synthetic biology-based device prevents liver injury in mice. <i>Journal of Hepatology</i> , 2016, 65, 84-94.	1.8	47
92	Angiophilin-mediated visualization of the vascular system by microcomputed tomography: A feasibility study. <i>Microscopy Research and Technique</i> , 2008, 71, 551-556.	1.2	46
93	Protein tyrosine kinase expression during the estrous cycle and carcinogenesis of the mammary gland. <i>International Journal of Cancer</i> , 1995, 63, 288-296.	2.3	45
94	Excessive erythrocytosis in adult mice overexpressing erythropoietin leads to hepatic, renal, neuronal, and muscular degeneration. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2006, 291, R947-R956.	0.9	45
95	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.	1.3	45
96	Split for the cure: VEGF, PDGF-BB and intussusception in therapeutic angiogenesis. <i>Biochemical Society Transactions</i> , 2014, 42, 1637-1642.	1.6	44
97	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.	1.1	43
98	Notch1-inducing hydrogels reveal a perivascular switch of mesenchymal stem cell fate. <i>EMBO Reports</i> , 2018, 19, .	2.0	43
99	MMP19 is upregulated during melanoma progression and increases invasion of melanoma cells. <i>Modern Pathology</i> , 2010, 23, 511-521.	2.9	42
100	Correlative Imaging of the Murine Hind Limb Vasculature and Muscle Tissue by MicroCT and Light Microscopy. <i>Scientific Reports</i> , 2017, 7, 41842.	1.6	42
101	VEGF-A promotes intussusceptive angiogenesis in the developing chicken chorioallantoic membrane. <i>Microcirculation</i> , 2010, 17, no-no.	1.0	41
102	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.	0.4	41
103	Escape mechanisms after antiangiogenic treatment, or why are the tumors growing again?. <i>International Journal of Developmental Biology</i> , 2011, 55, 563-567.	0.3	41
104	Effects of Protein and Gene Transfer of the Angiotensin-1 Fibrinogen-like Receptor-binding Domain on Endothelial and Vessel Organization. <i>Journal of Biological Chemistry</i> , 2005, 280, 22445-22453.	1.6	40
105	Increased Proangiogenic Activity of Mobilized CD34 ⁺ Progenitor Cells of Patients With Acute ST-Segment Elevation Myocardial Infarction. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2017, 37, 341-349.	1.1	40
106	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.	0.3	39
107	Heterophilic interactions between cell adhesion molecule L1 and $\alpha 3$ -integrin induce HUVEC process extension in vitro and angiogenesis in vivo. <i>Angiogenesis</i> , 2004, 7, 213-223.	3.7	38
108	Therapeutic protein transduction of mammalian cells and mice by nucleic acid-free lentiviral nanoparticles. <i>Nucleic Acids Research</i> , 2006, 34, e16-e16.	6.5	38

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109	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, 1-15.	0.7	38
110	Mesenchymal Stem Cell-Derived Exosomes as New Remedy for the Treatment of Neurocognitive Disorders. <i>International Journal of Molecular Sciences</i> , 2021, 22, 1433.	1.8	38
111	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.	0.6	38
112	Decrease in VEGF Expression Induces Intussusceptive Vascular Pruning. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2011, 31, 2836-2844.	1.1	37
113	Synchrotron microbeam irradiation induces neutrophil infiltration, thrombocyte attachment and selective vascular damage in vivo. <i>Scientific Reports</i> , 2016, 6, 33601.	1.6	37
114	Characterization of a B16-F10 melanoma model locally implanted into the ear pinnae of C57BL/6 mice. <i>PLoS ONE</i> , 2018, 13, e0206693.	1.1	37
115	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.	1.6	37
116	Dynamics of the Developing Chick Chorioallantoic Membrane Assessed by Stereology, Allometry, Immunohistochemistry and Molecular Analysis. <i>PLoS ONE</i> , 2016, 11, e0152821.	1.1	37
117	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.	0.4	36
118	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.	4.6	36
119	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.	2.5	35
120	Self-assembly of sensory neurons into ganglia-like microtissues. <i>Journal of Biotechnology</i> , 2006, 121, 86-101.	1.9	34
121	Arteriolization of Capillaries and FGF-2 Upregulation in Skeletal Muscles of Patients with Chronic Peripheral Arterial Disease. <i>Microcirculation</i> , 2005, 12, 527-537.	1.0	33
122	Parabronchial angioarchitecture in developing and adult chickens. <i>Journal of Applied Physiology</i> , 2009, 106, 1959-1969.	1.2	33
123	Targeting Class IA PI3K Isoforms Selectively Impairs Cell Growth, Survival, and Migration in Glioblastoma. <i>PLoS ONE</i> , 2014, 9, e94132.	1.1	33
124	Expression of smooth muscle markers in the developing murine lung: potential contractile properties and lineal descent. <i>Histochemistry and Cell Biology</i> , 1998, 110, 273-284.	0.8	32
125	Regenerative capacity of individual liver lobes in the microsurgical mouse model. <i>Microsurgery</i> , 2006, 26, 465-469.	0.6	32
126	Basement Membrane Remodeling in Skeletal Muscles of Patients with Limb Ischemia Involves Regulation of Matrix Metalloproteinases and Tissue Inhibitor of Matrix Metalloproteinases. <i>Journal of Vascular Research</i> , 2007, 44, 202-213.	0.6	32

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127	Human IgA Fc Receptor Fc γ RI (CD89) Triggers Different Forms of Neutrophil Death Depending on the Inflammatory Microenvironment. <i>Journal of Immunology</i> , 2014, 193, 5649-5659.	0.4	32
128	Mesenchymal Stem Cells Promote Metastasis of Lung Cancer Cells by Downregulating Systemic Antitumor Immune Response. <i>Stem Cells International</i> , 2017, 2017, 1-11.	1.2	32
129	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, 105-109.	1.3	29
130	Matrix Metalloproteinases and Angiogenic Factors. <i>American Journal of Pathology</i> , 2010, 177, 2216-2224.	1.9	27
131	Cutting-edge microangio-CT: new dimensions in vascular imaging and kidney morphometry. <i>American Journal of Physiology - Renal Physiology</i> , 2018, 314, F493-F499.	1.3	27
132	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.	1.2	27
133	Expression of transforming growth factor- β , epidermal growth factor receptor and platelet-derived growth factors A and B in oropharyngeal cancers treated by curative radiation therapy. <i>Radiotherapy and Oncology</i> , 2002, 63, 275-283.	0.3	26
134	The Effects of PTK787/ZK222584, an Inhibitor of VEGFR and PDGFR β Pathways, on Intussusceptive Angiogenesis and Glomerular Recovery from Thy1.1 Nephritis. <i>American Journal of Pathology</i> , 2011, 178, 1899-1912.	1.9	26
135	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.	0.9	26
136	Transforming growth factor- β 3 is expressed in nondividing basal epithelial cells in normal human prostate and benign prostatic hyperplasia, and is no longer detectable in prostate carcinoma. <i>Prostate</i> , 1997, 31, 103-109.	1.2	25
137	Development and Remodeling of the Vertebrate Blood-Gas Barrier. <i>BioMed Research International</i> , 2013, 2013, 1-15.	0.9	25
138	NGS Nominated <i>CELA1</i> , <i>HSPG2</i> , and <i>KCNK5</i> as Candidate Genes for Predisposition to Balkan Endemic Nephropathy. <i>BioMed Research International</i> , 2014, 2014, 1-7.	0.9	25
139	Indoleamine 2,3-dioxygenase-dependent expansion of T-regulatory cells maintains mucosal healing in ulcerative colitis. <i>Therapeutic Advances in Gastroenterology</i> , 2018, 11, 175628481879355.	1.4	25
140	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, 1-11.	0.7	25
141	Mesenchymal Stem Cell: A Friend or Foe in Anti-Tumor Immunity. <i>International Journal of Molecular Sciences</i> , 2021, 22, 12429.	1.8	25
142	The Synergistic Action of a VEGF-Receptor Tyrosine-Kinase Inhibitor and a Sensitizing PDGF-Receptor Blocker Depends upon the Stage of Vascular Maturation. <i>Microcirculation</i> , 2007, 14, 813-825.	1.0	24
143	Podocyte EphB4 signaling helps recovery from glomerular injury. <i>Kidney International</i> , 2012, 81, 1212-1225.	2.6	24
144	Animal Models in Microbeam Radiation Therapy: A Scoping Review. <i>Cancers</i> , 2020, 12, 527.	1.7	24

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145	The Phosphoinositide 3-Kinase p110 α Isoform Regulates Leukemia Inhibitory Factor Receptor Expression via c-Myc and miR-125b to Promote Cell Proliferation in Medulloblastoma. PLoS ONE, 2015, 10, e0123958.	1.1	24
146	Development and spatial organization of the air conduits in the lung of the domestic fowl, <i>Gallus gallus</i> variant <i>domesticus</i> . Microscopy Research and Technique, 2008, 71, 689-702.	1.2	23
147	Impairment of Rat Postnatal Lung Alveolar Development by Glucocorticoids: Involvement of the p21CIP1 and p27KIP1 Cyclin-Dependent Kinase Inhibitors. Pediatric Research, 2002, 51, 169-176.	1.1	22
148	Structure and hemodynamics of vascular networks in the chorioallantoic membrane of the chicken. American Journal of Physiology - Heart and Circulatory Physiology, 2016, 311, H913-H926.	1.5	22
149	Epithelial transformations in the establishment of the blood-gas barrier in the developing chick embryo lung. Developmental Dynamics, 2006, 235, 68-81.	0.8	21
150	Endoglin inhibition leads to intussusceptive angiogenesis via activation of factors related to COUP-TFII signaling pathway. PLoS ONE, 2017, 12, e0182813.	1.1	21
151	High-Spatial-Resolution Three-dimensional Imaging of Human Spinal Cord and Column Anatomy with Postmortem X-ray Phase-Contrast Micro-CT. Radiology, 2021, 298, 135-146.	3.6	21
152	Unexpected Benefits of Multiport Synchrotron Microbeam Radiation Therapy for Brain Tumors. Cancers, 2021, 13, 936.	1.7	21
153	New insights into intussusceptive angiogenesis. , 2005, , 17-33.		20
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