Valentin Djonov

List of Publications by Year in descending order

		18482	23533
239	14,939	62	111
papers	citations	h-index	g-index

244	244	244	18152
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Ethical and Safety Issues of Stem Cell-Based Therapy. International Journal of Medical Sciences, 2018, 15, 36-45.	2.5	507
2	Cellâ€demanded release of VEGF from synthetic, biointeractive cellâ€ingrowth matrices for vascularized tissue growth. FASEB Journal, 2003, 17, 2260-2262.	0.5	501
3	Mesenchymal Stem Cell-Derived Exosomes and Other Extracellular Vesicles as New Remedies in the Therapy of Inflammatory Diseases. Cells, 2019, 8, 1605.	4.1	433
4	Consensus guidelines for the use and interpretation of angiogenesis assays. Angiogenesis, 2018, 21, 425-532.	7.2	429
5	Flow regulates arterial-venous differentiation in the chick embryo yolk sac. Development (Cambridge), 2004, 131, 361-375.	2.5	417
6	Conditional switching of VEGF provides new insights into adult neovascularization and pro-angiogenic therapy. EMBO Journal, 2002, 21, 1939-1947.	7.8	355
7	Cell-Demanded Liberation of VEGF121From Fibrin Implants Induces Local and Controlled Blood Vessel Growth. Circulation Research, 2004, 94, 1124-1132.	4.5	355
8	Intussusceptive angiogenesis: Its emergence, its characteristics, and its significance. Developmental Dynamics, 2004, 231, 474-488.	1.8	317
9	Molecular Mechanisms Responsible for Therapeutic Potential of Mesenchymal Stem Cell-Derived Secretome. Cells, 2019, 8, 467.	4.1	304
10	Intussusceptive Angiogenesis. Circulation Research, 2000, 86, 286-292.	4.5	295
11	Vascular remodeling by intussusceptive angiogenesis. Cell and Tissue Research, 2003, 314, 107-117.	2.9	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.	7.0	249
13	Self-sufficient control of urate homeostasis in mice by a synthetic circuit. Nature Biotechnology, 2010, 28, 355-360.	17.5	244
14	Chorioallantoic membrane capillary bed: A useful target for studying angiogenesis and anti-angiogenesis in vivo. The Anatomical Record, 2001, 264, 317-324.	1.8	235
15	Vascular remodeling and antitumoral effects of mTOR inhibition in a rat model of hepatocellular carcinoma. Journal of Hepatology, 2007, 46, 840-848.	3.7	215
16	Enzymatic formation of modular cell-instructive fibrin analogs for tissue engineering. Biomaterials, 2007, 28, 3856-3866.	11.4	203
17	Intussusceptive angiogenesisâ€“â€“the alternative to capillary sprouting. Molecular Aspects of Medicine, 2002, 23, 1-27.	6.4	201
18	Intussusceptive angiogenesis and its role in vascular morphogenesis, patterning, and remodeling. Angiogenesis, 2009, 12, 113-123.	7.2	189

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19	FOXC2 and fluid shear stress stabilize postnatal lymphatic vasculature. Journal of Clinical Investigation, 2015, 125, 3861-3877.	8.2	186
20	Optimality in the developing vascular system: Branching remodeling by means of intussusception as an efficient adaptation mechanism. Developmental Dynamics, 2002, 224, 391-402.	1.8	177
21	Programmed Cell Death Contributes to Postnatal Lung Development. American Journal of Respiratory Cell and Molecular Biology, 1998, 18, 786-793.	2.9	170
22	Pulsatile shear and Gja5 modulate arterial identity and remodeling events during flow-driven arteriogenesis. Development (Cambridge), 2010, 137, 2187-2196.	2.5	166
23	Vascular remodelling during the normal and malignant life cycle of the mammary gland. Microscopy Research and Technique, 2001, 52, 182-189.	2.2	162
24	Intussusceptive Angiogenesis: A Biologically Relevant Form of Angiogenesis. Journal of Vascular Research, 2012, 49, 390-404.	1.4	154
25	Design of Custom-Shaped Vascularized Tissues Using Microtissue Spheroids as Minimal Building Units. Tissue Engineering, 2006, 12, 2151-2160.	4.6	146
26	EphB4 controls blood vascular morphogenesis during postnatal angiogenesis. EMBO Journal, 2006, 25, 628-641.	7.8	146
27	Mesenchymal Stem Cell-Based Therapy of Inflammatory Lung Diseases: Current Understanding and Future Perspectives. Stem Cells International, 2019, 2019, 1-14.	2.5	145
28	Counteracting age-related VEGF signaling insufficiency promotes healthy aging and extends life span. Science, 2021, 373, .	12.6	139
29	NADPH Oxidaseâ€“Independent Formation of Extracellular DNA Traps by Basophils. Journal of Immunology, 2014, 192, 5314-5323.	0.8	138
30	Postmortem Angiography: Review of Former and Current Methods. American Journal of Roentgenology, 2007, 188, 832-838.	2.2	136
31	<scp>VEGF</scp> â€Bâ€induced vascular growth leads to metabolic reprogramming and ischemia resistance in the heart. EMBO Molecular Medicine, 2014, 6, 307-321.	6.9	127
32	Mesenchymal stem cellâ€derived factors: Immunoâ€modulatory effects and therapeutic potential. BioFactors, 2017, 43, 633-644.	5.4	125
33	Distinct Roles of Vascular Endothelial Growth Factor-D in Lymphangiogenesis and Metastasis. American Journal of Pathology, 2007, 170, 1348-1361.	3.8	119
34	Significant correlation of hypoxia-inducible factor-1Î± with treatment outcome in cervical cancer treated with radical radiotherapy. International Journal of Radiation Oncology Biology Physics, 2003, 56, 494-501.	0.8	117
35	Transgenic system for conditional induction and rescue of chronic myocardial hibernation provides insights into genomic programs of hibernation. Proceedings of the National Academy of Sciences of the United States of America, 2008, 105, 282-287.	7.1	116
36	Tumor Recovery by Angiogenic Switch from Sprouting to Intussusceptive Angiogenesis after Treatment with PTK787/ZK222584 or Ionizing Radiation. American Journal of Pathology, 2008, 173, 1173-1185.	3.8	113

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37	Risks of Using Sterilization by Gamma Radiation: The Other Side of the Coin. International Journal of Medical Sciences, 2018, 15, 274-279.	2.5	113
38	Coronary optical frequency domain imaging (OFDI) for in vivo evaluation of stent healing: comparison with light and electron microscopy. European Heart Journal, 2010, 31, 1792-1801.	2.2	109
39	Disruption of Notch1 Induces Vascular Remodeling, Intussusceptive Angiogenesis, and Angiosarcomas in Livers of Mice. Gastroenterology, 2012, 142, 967-977.e2.	1.3	108
40	Hypoxia-inducible factor 1 alpha in high-risk breast cancer: an independent prognostic parameter?. Breast Cancer Research, 2004, 6, R191-8.	5.0	106
41	Two-Step Postmortem Angiography with a Modified Heartâ€“Lung Machine: Preliminary Results. American Journal of Roentgenology, 2008, 190, 345-351.	2.2	103
42	PDGF-BB regulates splitting angiogenesis in skeletal muscle by limiting VEGF-induced endothelial proliferation. Angiogenesis, 2018, 21, 883-900.	7.2	101
43	Intussusceptive microvascular growth in tumors. Cancer Letters, 2012, 316, 126-131.	7.2	100
44	Tenascin-C Downregulates Wnt Inhibitor Dickkopf-1, Promoting Tumorigenesis in a Neuroendocrine Tumor Model. Cell Reports, 2013, 5, 482-492.	6.4	100
45	A Novel Family of Serine/Threonine Kinases Participating in Spermiogenesis. Journal of Cell Biology, 1997, 139, 1851-1859.	5.2	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. International Journal of Cancer, 2001, 96, 41-54.	5.1	82
47	Molecular mechanisms underlying therapeutic potential of pericytes. Journal of Biomedical Science, 2018, 25, 21.	7.0	82
48	VEGF profiling and angiogenesis in human microtissues. Journal of Biotechnology, 2005, 118, 213-229.	3.8	81
49	Postmortem Angiography After Vascular Perfusion with Diesel Oil and a Lipophilic Contrast Agent. American Journal of Roentgenology, 2006, 187, W515-W523.	2.2	81
50	Effects of microbeam radiation therapy on normal and tumoral blood vessels. Physica Medica, 2015, 31, 634-641.	0.7	79
51	Angiogenesis and Vascular Remodeling by Intussusception: From Form to Function. Physiology, 2003, 18, 65-70.	3.1	76
52	Molecular Mechanisms Responsible for Anti-inflammatory and Immunosuppressive Effects of Mesenchymal Stem Cell-Derived Factors. Advances in Experimental Medicine and Biology, 2018, 1084, 187-206.	1.6	75
53	Structural decoding of netrin-4 reveals a regulatory function towards mature basement membranes. Nature Communications, 2016, 7, 13515.	12.8	74
54	Anatomic Considerations for the Choice of Surgical Approach for Hip Resurfacing Arthroplasty. Orthopedic Clinics of North America, 2005, 36, 163-170.	1.2	72

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55	Everolimus Augments the Effects of Sorafenib in a Syngeneic Orthotopic Model of Hepatocellular Carcinoma. Molecular Cancer Therapeutics, 2011, 10, 1007-1017.	4.1	72
56	Therapeutic Potential of Mesenchymal Stem Cell-Derived Exosomes in the Treatment of Eye Diseases. Advances in Experimental Medicine and Biology, 2018, 1089, 47-57.	1.6	71
57	Intussusceptive angiogenesis: pillars against the blood flow. Acta Physiologica, 2011, 202, 213-223.	3.8	70
58	Understanding High-Dose, Ultra-High Dose Rate, and Spatially Fractionated Radiation Therapy. International Journal of Radiation Oncology Biology Physics, 2020, 107, 766-778.	0.8	70
59	Making vascular networks in the adult: branching morphogenesis without a roadmap. Trends in Cell Biology, 2003, 13, 131-136.	7.9	67
60	VEGF over-expression in skeletal muscle induces angiogenesis by intussusception rather than sprouting. Angiogenesis, 2013, 16, 123-136.	7.2	67
61	Therapeutic Use of Mesenchymal Stem Cell-Derived Exosomes: From Basic Science to Clinics. Pharmaceutics, 2020, 12, 474.	4.5	67
62	MMP-19: cellular localization of a novel metalloproteinase within normal breast tissue and mammary gland tumours. Journal of Pathology, 2001, 195, 147-155.	4.5	66
63	Applications of synchrotron X-rays to radiotherapy. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2005, 548, 17-22.	1.6	66
64	Mesenchymal stem cells attenuate acute liver injury by altering ratio between interleukin 17 producing and regulatory natural killer T cells. Liver Transplantation, 2017, 23, 1040-1050.	2.4	66
65	Mesenchymal stem cells attenuate liver fibrosis by suppressing Th17 cells - an experimental study. Transplant International, 2018, 31, 102-115.	1.6	66
66	Microbeam radiation therapy â€" grid therapy and beyond: a clinical perspective. British Journal of Radiology, 2017, 90, 20170073.	2.2	65
67	The role of Interleukin 1 receptor antagonist in mesenchymal stem cellâ€based tissue repair and regeneration. BioFactors, 2020, 46, 263-275.	5.4	65
68	Expression of stromelysin-1 and timp-1 in the involuting mammary gland and in early invasive tumors of the mouse. International Journal of Cancer, 1994, 59, 560-568.	5.1	64
69	The Mammary Gland Vasculature Revisited. Journal of Mammary Gland Biology and Neoplasia, 2010, 15, 319-328.	2.7	63
70	Surgical exposures and options for instrumentation in acetabular fracture fixation: Pararectus approach versus the modified Stoppa. Injury, 2016, 47, 695-701.	1.7	62
71	Mesenchymal Stem Cell-Dependent Modulation of Liver Diseases. International Journal of Biological Sciences, 2017, 13, 1109-1117.	6.4	62
72	Synergistic interaction of sprouting and intussusceptive angiogenesis during zebrafish caudal vein plexus development. Scientific Reports, 2018, 8, 9840.	3.3	61

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73	Correlation between the tumoral expression of Î²3-integrin and outcome in cervical cancer patients who had undergone radiotherapy. British Journal of Cancer, 2005, 92, 41-46.	6.4	59
74	Engineered fibrin matrices for functional display of cell membrane-bound growth factor-like activities: Study of angiogenic signaling by ephrin-B2. Biomaterials, 2004, 25, 3245-3257.	11.4	58
75	Tissue-Transplant Fusion and Vascularization of Myocardial Microtissues and Macrotissues Implanted into Chicken Embryos and Rats. Tissue Engineering, 2006, 12, 2541-2553.	4.6	58
76	Inhibition of Notch signaling induces extensive intussusceptive neo-angiogenesis by recruitment of mononuclear cells. Angiogenesis, 2013, 16, 921-937.	7.2	57
77	Therapeutic Potential of Mesenchymal Stem Cells and Their Secretome in the Treatment of Glaucoma. Stem Cells International, 2019, 2019, 1-11.	2.5	57
78	VEGF-B Promotes Endocardium-Derived Coronary Vessel Development and Cardiac Regeneration. Circulation, 2021, 143, 65-77.	1.6	57
79	Microbeam Radiation-Induced Tissue Damage Depends on the Stage of Vascular Maturation. International Journal of Radiation Oncology Biology Physics, 2011, 80, 1522-1532.	0.8	56
80	Early markers for myocardial ischemia and sudden cardiac death. International Journal of Legal Medicine, 2016, 130, 1265-1280.	2.2	55
81	Microvascular growth, development, and remodeling in the embryonic avian kidney: The interplay between sprouting and intussusceptive angiogenic mechanisms. Microscopy Research and Technique, 2005, 66, 275-288.	2.2	54
82	Microvascular endowment in the developing chicken embryo lung. American Journal of Physiology - Lung Cellular and Molecular Physiology, 2007, 292, L1136-L1146.	2.9	53
83	Mesenchymal stem cells protect from acute liver injury by attenuating hepatotoxicity of liver natural killer T cells in an inducible nitric oxide synthaseâ€•and indoleamine 2,3â€dioxygenaseâ€dependent manner. Journal of Tissue Engineering and Regenerative Medicine, 2018, 12, e1173-e1185.	2.7	53
84	Recombinant human erythropoietin induces intussusceptive microvascular growth in vivo. Leukemia, 2004, 18, 331-336.	7.2	52
85	The Cross-Talk between Mesenchymal Stem Cells and Immune Cells in Tissue Repair and Regeneration. International Journal of Molecular Sciences, 2021, 22, 2472.	4.1	52
86	Response of the rat spinal cord to X-ray microbeams. Radiotherapy and Oncology, 2013, 106, 106-111.	0.6	51
87	Dual Role of Mesenchymal Stem Cells Allows for Microvascularized Bone Tissueâ€Like Environments in PEG Hydrogels. Advanced Healthcare Materials, 2016, 5, 489-498.	7.6	51
88	Caveolin-1 is required for signaling and membrane targeting of EphB1 receptor tyrosine kinase. Journal of Cell Science, 2006, 119, 2299-2309.	2.0	50
89	Intratumoral microvessel density predicts local treatment failure of radically irradiated squamous cell cancer of the oropharynx. International Journal of Radiation Oncology Biology Physics, 2000, 48, 17-25.	0.8	48
90	Placental Growth Factor-1 Attenuates Vascular Endothelial Growth Factor-Aâ€“Dependent Tumor Angiogenesis during Î² Cell Carcinogenesis. Cancer Research, 2007, 67, 10840-10848.	0.9	48

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91	A synthetic biology-based device prevents liver injury in mice. Journal of Hepatology, 2016, 65, 84-94.	3.7	47
92	AngiofilÂ®â€mediated visualization of the vascular system by microcomputed tomography: A feasibility study. Microscopy Research and Technique, 2008, 71, 551-556.	2.2	46
93	Protein tyrosine kinase expression during the estrous cycle and carcinogenesis of the mammary gland. International Journal of Cancer, 1995, 63, 288-296.	5.1	45
94	Excessive erythrocytosis in adult mice overexpressing erythropoietin leads to hepatic, renal, neuronal, and muscular degeneration. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 2006, 291, R947-R956.	1.8	45
95	Crosstalk between mesenchymal stem cells and T regulatory cells is crucially important for the attenuation of acute liver injury. Liver Transplantation, 2018, 24, 687-702.	2.4	45
96	Split for the cure: VEGF, PDGF-BB and intussusception in therapeutic angiogenesis. Biochemical Society Transactions, 2014, 42, 1637-1642.	3.4	44
97	A Transgenic Model for Conditional Induction and Rescue of Portal Hypertension Reveals a Role of VEGF-Mediated Regulation of Sinusoidal Fenestrations. PLoS ONE, 2011, 6, e21478.	2.5	43
98	Notchâ€inducing hydrogels reveal a perivascular switch of mesenchymal stem cell fate. EMBO Reports, 2018, 19, .	4.5	43
99	MMP19 is upregulated during melanoma progression and increases invasion of melanoma cells. Modern Pathology, 2010, 23, 511-521.	5.5	42
100	Correlative Imaging of the Murine Hind Limb Vasculature and Muscle Tissue by MicroCT and Light Microscopy. Scientific Reports, 2017, 7, 41842.	3.3	42
101	VEGF-A promotes intussusceptive angiogenesis in the developing chicken chorioallantoic membrane. Microcirculation, 2010, 17, no-no.	1.8	41
102	Permeability of Brain Tumor Vessels Induced by Uniform or Spatially Microfractionated Synchrotron Radiation Therapies. International Journal of Radiation Oncology Biology Physics, 2017, 98, 1174-1182.	0.8	41
103	Escape mechanisms after antiangiogenic treatment, or why are the tumors growing again?. International Journal of Developmental Biology, 2011, 55, 563-567.	0.6	41
104	Effects of Protein and Gene Transfer of the Angiopoietin-1 Fibrinogen-like Receptor-binding Domain on Endothelial and Vessel Organization. Journal of Biological Chemistry, 2005, 280, 22445-22453.	3.4	40
105	Increased Proangiogenic Activity of Mobilized CD34 ⁺ Progenitor Cells of Patients With Acute ST-Segmentâ€“Elevation Myocardial Infarction. Arteriosclerosis, Thrombosis, and Vascular Biology, 2017, 37, 341-349.	2.4	40
106	Ultra high dose rate Synchrotron Microbeam Radiation Therapy. Preclinical evidence in view of a clinical transfer. Radiotherapy and Oncology, 2019, 139, 56-61.	0.6	39
107	Heterophilic interactions between cell adhesion molecule L1 and ?v ?3-integrin induce HUVEC process extension in vitro and angiogenesis in vivo. Angiogenesis, 2004, 7, 213-223.	7.2	38
108	Therapeutic protein transduction of mammalian cells and mice by nucleic acid-free lentiviral nanoparticles. Nucleic Acids Research, 2006, 34, e16-e16.	14.5	38

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109	Molecular and Cellular Mechanisms Responsible for Beneficial Effects of Mesenchymal Stem Cell-Derived Product â€œExo-d-MAPPSâ€•in Attenuation of Chronic Airway Inflammation. Analytical Cellular Pathology, 2020, 2020, 1-15.	1.4	38
110	Mesenchymal Stem Cell-Derived Exosomes as New Remedy for the Treatment of Neurocognitive Disorders. International Journal of Molecular Sciences, 2021, 22, 1433.	4.1	38
111	Therapeutic Potential of Amniotic Fluid Derived Mesenchymal Stem Cells Based on their Differentiation Capacity and Immunomodulatory Properties. Current Stem Cell Research and Therapy, 2019, 14, 327-336.	1.3	38
112	Decrease in VEGF Expression Induces Intussusceptive Vascular Pruning. Arteriosclerosis, Thrombosis, and Vascular Biology, 2011, 31, 2836-2844.	2.4	37
113	Synchrotron microbeam irradiation induces neutrophil infiltration, thrombocyte attachment and selective vascular damage in vivo. Scientific Reports, 2016, 6, 33601.	3.3	37
114	Characterization of a B16-F10 melanoma model locally implanted into the ear pinnae of C57BL/6 mice. PLoS ONE, 2018, 13, e0206693.	2.5	37
115	SDFâ€1/CXCR4 signalling is involved in blood vessel growth and remodelling by intussusception. Journal of Cellular and Molecular Medicine, 2019, 23, 3916-3926.	3.6	37
116	Dynamics of the Developing Chick Chorioallantoic Membrane Assessed by Stereology, Allometry, Immunohistochemistry and Molecular Analysis. PLoS ONE, 2016, 11, e0152821.	2.5	37
117	Synchrotron Microbeam Radiation Therapy as a New Approach for the Treatment of Radioresistant Melanoma: Potential Underlying Mechanisms. International Journal of Radiation Oncology Biology Physics, 2019, 105, 1126-1136.	0.8	36
118	Galectin 3 protects from cisplatin-induced acute kidney injury by promoting TLR-2-dependent activation of IDO1/Kynurenine pathway in renal DCs. Theranostics, 2019, 9, 5976-6001.	10.0	36
119	Intraperitoneal administration of mesenchymal stem cells ameliorates acute dextran sulfate sodium-induced colitis by suppressing dendritic cells. Biomedicine and Pharmacotherapy, 2018, 100, 426-432.	5.6	35
120	Self-assembly of sensory neurons into ganglia-like microtissues. Journal of Biotechnology, 2006, 121, 86-101.	3.8	34
121	Arteriolization of Capillaries and FGFâ€2 Upregulation in Skeletal Muscles of Patients with Chronic Peripheral Arterial Disease. Microcirculation, 2005, 12, 527-537.	1.8	33
122	Parabronchial angioarchitecture in developing and adult chickens. Journal of Applied Physiology, 2009, 106, 1959-1969.	2.5	33
123	Targeting Class IA PI3K Isoforms Selectively Impairs Cell Growth, Survival, and Migration in Glioblastoma. PLoS ONE, 2014, 9, e94132.	2.5	33
124	Expression of smooth muscle markers in the developing murine lung: potential contractile properties and lineal descent. Histochemistry and Cell Biology, 1998, 110, 273-284.	1.7	32
125	Regenerative capacity of individual liver lobesin the microsurgical mouse model. Microsurgery, 2006, 26, 465-469.	1.3	32
126	Basement Membrane Remodeling in Skeletal Muscles of Patients with Limb Ischemia Involves Regulation of Matrix Metalloproteinases and Tissue Inhibitor of Matrix Metalloproteinases. Journal of Vascular Research, 2007, 44, 202-213.	1.4	32

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127	Human IgA Fc Receptor FcÎ±RI (CD89) Triggers Different Forms of Neutrophil Death Depending on the Inflammatory Microenvironment. Journal of Immunology, 2014, 193, 5649-5659.	0.8	32
128	Mesenchymal Stem Cells Promote Metastasis of Lung Cancer Cells by Downregulating Systemic Antitumor Immune Response. Stem Cells International, 2017, 2017, 1-11.	2.5	32
129	Reconstruction of the Medial Patellofemoral Ligament Using the Adductor Magnus Tendon: An Anatomic Study. Arthroscopy - Journal of Arthroscopic and Related Surgery, 2012, 28, 105-109.	2.7	29
130	Matrix Metalloproteinases and Angiogenic Factors. American Journal of Pathology, 2010, 177, 2216-2224.	3.8	27
131	Cutting-edge microangio-CT: new dimensions in vascular imaging and kidney morphometry. American Journal of Physiology - Renal Physiology, 2018, 314, F493-F499.	2.7	27
132	Nitric oxide regulates intussusceptive-like angiogenesis in wound repair in chicken embryo and transgenic zebrafish models. Nitric Oxide - Biology and Chemistry, 2019, 82, 48-58.	2.7	27
133	Expression of transforming growth factor-Î±, epidermal growth factor receptor and platelet-derived growth factors A and B in oropharyngeal cancers treated by curative radiation therapy. Radiotherapy and Oncology, 2002, 63, 275-283.	0.6	26
134	The Effects of PTK787/ZK222584, an Inhibitor of VEGFR and PDGFRÎ² Pathways, on Intussusceptive Angiogenesis and Glomerular Recovery from Thy1.1 Nephritis. American Journal of Pathology, 2011, 178, 1899-1912.	3.8	26
135	Anatomy of the female pelvic nerves: a macroscopic study of the hypogastric plexus and their relations and variations. Journal of Anatomy, 2020, 237, 487-494.	1.5	26
136	Transforming growth factor-Î²3 is expressed in nondividing basal epithelial cells in normal human prostate and benign prostatic hyperplasia, and is no longer detectable in prostate carcinoma. Prostate, 1997, 31, 103-109.	2.3	25
137	Development and Remodeling of the Vertebrate Blood-Gas Barrier. BioMed Research International, 2013, 2013, 1-15.	1.9	25
138	NGS NominatedCELA1,HSPG2, andKCNK5as Candidate Genes for Predisposition to Balkan Endemic Nephropathy. BioMed Research International, 2014, 2014, 1-7.	1.9	25
139	Indoleamine 2,3-dioxygenase-dependent expansion of T-regulatory cells maintains mucosal healing in ulcerative colitis. Therapeutic Advances in Gastroenterology, 2018, 11, 175628481879355.	3.2	25
140	Therapeutic Potential of Mesenchymal Stem Cells and Their Secretome in the Treatment of SARS-CoV-2-Induced Acute Respiratory Distress Syndrome. Analytical Cellular Pathology, 2020, 2020, 1-11.	1.4	25
141	Mesenchymal Stem Cell: A Friend or Foe in Anti-Tumor Immunity. International Journal of Molecular Sciences, 2021, 22, 12429.	4.1	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. Microcirculation, 2007, 14, 813-825.	1.8	24
143	Podocyte EphB4 signaling helps recovery from glomerular injury. Kidney International, 2012, 81, 1212-1225.	5.2	24
144	Animal Models in Microbeam Radiation Therapy: A Scoping Review. Cancers, 2020, 12, 527.	3.7	24

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145	The Phosphoinositide 3-Kinase p110Î± Isoform Regulates Leukemia Inhibitory Factor Receptor Expression via c-Myc and miR-125b to Promote Cell Proliferation in Medulloblastoma. PLoS ONE, 2015, 10, e0123958.	2.5	24
146	Development and spatial organization of the air conduits in the lung of the domestic fowl, Gallus gallus variant domesticus. Microscopy Research and Technique, 2008, 71, 689-702.	2.2	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.	2.3	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.	3.2	22
149	Epithelial transformations in the establishment of the bloodâ€“gas barrier in the developing chick embryo lung. Developmental Dynamics, 2006, 235, 68-81.	1.8	21
150	Endoglin inhibition leads to intussusceptive angiogenesis via activation of factors related to COUP-TFII signaling pathway. PLoS ONE, 2017, 12, e0182813.	2.5	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.	7.3	21
152	Unexpected Benefits of Multiport Synchrotron Microbeam Radiation Therapy for Brain Tumors. Cancers, 2021, 13, 936.	3.7	21
153	New insights into intussusceptive angiogenesis. , 2005, , 17-33.		20
154	An anatomical investigation of the cervicothoracic ganglion. Clinical Anatomy, 2012, 25, 444-451.	2.7	20
155	Whole genome methylation array analysis reveals new aspects in Balkan endemic nephropathy etiology. BMC Nephrology, 2013, 14, 225.	1.8	20
156	ATG12 deficiency leads to tumor cell oncosis owing to diminished mitochondrial biogenesis and reduced cellular bioenergetics. Cell Death and Differentiation, 2020, 27, 1965-1980.	11.2	20
157	Complete Remission of Mouse Melanoma after Temporally Fractionated Microbeam Radiotherapy. Cancers, 2020, 12, 2656.	3.7	20
158	Chronic excessive erythrocytosis induces endothelial activation and damage in mouse brain. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 2006, 290, R678-R684.	1.8	19
159	Casting Materials and their Application in Research and Teaching. Microscopy and Microanalysis, 2014, 20, 493-513.	0.4	19
160	Prognostic value of matrix metalloproteinases in oral squamous cell carcinoma. Biotechnology and Biotechnological Equipment, 2014, 28, 1138-1149.	1.3	19
161	Zebrafish Caudal Fin Angiogenesis Assayâ€"Advanced Quantitative Assessment Including 3-Way Correlative Microscopy. PLoS ONE, 2016, 11, e0149281.	2.5	19
162	Mesenchymal Stem Cells Attenuate Cisplatin-Induced Nephrotoxicity in iNOS-Dependent Manner. Stem Cells International, 2017, 2017, 1-15.	2.5	19

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163	RNA interference screening identifies a novel role for PCTK1/CDK16 in medulloblastoma with c-Myc amplification. Oncotarget, 2015, 6, 116-129.	1.8	19
164	Spatial and functional relationships between air conduits and blood capillaries in the pulmonary gas exchange tissue of adult and developing chickens. Microscopy Research and Technique, 2011, 74, 159-169.	2.2	18
165	RNA interference screening identifies a novel role for autocrine fibroblast growth factor signaling in neuroblastoma chemoresistance. Oncogene, 2013, 32, 3944-3953.	5.9	18
166	Effects of Synchrotron X-Ray Micro-beam Irradiation on Normal Mouse Ear Pinnae. International Journal of Radiation Oncology Biology Physics, 2018, 101, 680-689.	0.8	18
167	Innovative high-resolution microCT imaging of animal brain vasculature. Brain Structure and Function, 2020, 225, 2885-2895.	2.3	18
168	Microbeam Radiotherapyâ€"A Novel Therapeutic Approach to Overcome Radioresistance and Enhance Anti-Tumour Response in Melanoma. International Journal of Molecular Sciences, 2021, 22, 7755.	4.1	18
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