

Katharina D'Herde

List of Publications by Year in descending order

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85
papers

4,573
citations

117625

34
h-index

102487

66
g-index

85
all docs

85
docs citations

85
times ranked

7026
citing authors

#	ARTICLE	IF	CITATIONS
1	Apoptosis and necrosis: Detection, discrimination and phagocytosis. <i>Methods</i> , 2008, 44, 205-221.	3.8	546
2	Clearance of apoptotic and necrotic cells and its immunological consequences. <i>Apoptosis: an International Journal on Programmed Cell Death</i> , 2006, 11, 1709-1726.	4.9	295
3	Caspase-14 protects against epidermal UVB photodamage and water loss. <i>Nature Cell Biology</i> , 2007, 9, 666-674.	10.3	266
4	Connexin-related signaling in cell death: to live or let die?. <i>Cell Death and Differentiation</i> , 2009, 16, 524-536.	11.2	234
5	Phagocytosis of Necrotic Cells by Macrophages Is Phosphatidylserine Dependent and Does Not Induce Inflammatory Cytokine Production. <i>Molecular Biology of the Cell</i> , 2004, 15, 1089-1100.	2.1	177
6	Sesquiterpene lactones as drugs with multiple targets in cancer treatment. <i>Anti-Cancer Drugs</i> , 2012, 23, 883-896.	1.4	176
7	Macrophages use different internalization mechanisms to clear apoptotic and necrotic cells. <i>Cell Death and Differentiation</i> , 2006, 13, 2011-2022.	11.2	167
8	Connexin 43 hemichannels contribute to the propagation of apoptotic cell death in a rat C6 glioma cell model. <i>Cell Death and Differentiation</i> , 2009, 16, 151-163.	11.2	167
9	The Lateral Intercostal Artery Perforators: Anatomical Study and Clinical Application in Breast Surgery. <i>Plastic and Reconstructive Surgery</i> , 2008, 121, 389-396.	1.4	162
10	Gap junctions and the propagation of cell survival and cell death signals. <i>Apoptosis: an International Journal on Programmed Cell Death</i> , 2005, 10, 459-469.	4.9	155
11	Necroptotic cell death in anti-cancer therapy. <i>Immunological Reviews</i> , 2017, 280, 207-219.	6.0	126
12	Life and death of female gametes during oogenesis and folliculogenesis. <i>Apoptosis: an International Journal on Programmed Cell Death</i> , 2008, 13, 1065-1087.	4.9	114
13	Chapter 16 Methods for Distinguishing Apoptotic from Necrotic Cells and Measuring Their Clearance. <i>Methods in Enzymology</i> , 2008, 442, 307-341.	1.0	111
14	Oxidized PEs trigger death. <i>Nature Chemical Biology</i> , 2017, 13, 4-5.	8.0	110
15	Age-associated differential microRNA levels in human follicular fluid reveal pathways potentially determining fertility and success of <i>in vitro</i> fertilization. <i>Human Fertility</i> , 2014, 17, 90-98.	1.7	109
16	Mitochondrial Transmembrane Potential Changes Support the Concept of Mitochondrial Heterogeneity During Apoptosis. <i>Journal of Histochemistry and Cytochemistry</i> , 2001, 49, 1277-1284.	2.5	73
17	Calcium and connexin-based intercellular communication, a deadly catch?. <i>Cell Calcium</i> , 2011, 50, 310-321.	2.4	64
18	Analysis of metal artifact reduction tools for dental hardware in CT scans of the oral cavity: kVp, iterative reconstruction, dual-energy CT, metal artifact reduction software: does it make a difference?. <i>Neuroradiology</i> , 2015, 57, 841-849.	2.2	63

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19	Molecular-Based Identification of <i>Sarcocystis hominis</i> in Belgian Minced Beef. <i>Journal of Food Protection</i> , 2007, 70, 1523-1526.	1.7	62
20	Gap Junctional Communication and Connexin43 Expression in Relation to Apoptotic Cell Death and Survival of Granulosa Cells. <i>Journal of Histochemistry and Cytochemistry</i> , 2004, 52, 1199-1207.	2.5	61
21	Neuroanatomy and neurophysiology related to sexual dysfunction in male neurogenic patients with lesions to the spinal cord or peripheral nerves. <i>Spinal Cord</i> , 2010, 48, 182-191.	1.9	59
22	Correlation of Contrast-Detail Analysis and Clinical Image Quality Assessment in Chest Radiography with a Human Cadaver Study. <i>Radiology</i> , 2012, 262, 298-304.	7.3	59
23	3D Computerized Model for Measuring Strain and Displacement of the Brachial Plexus Following Placement of Reverse Shoulder Prosthesis. <i>Anatomical Record</i> , 2008, 291, 1173-1185.	1.4	58
24	Gastric epithelial cell death caused by <i>Helicobacter suis</i> and <i>Helicobacter pylori</i> β -glutamyl transpeptidase is mainly glutathione degradation-dependent. <i>Cellular Microbiology</i> , 2011, 13, 1933-1955.	2.1	57
25	Mechanisms of internalization of apoptotic and necrotic L929 cells by a macrophage cell line studied by electron microscopy. <i>Journal of Morphology</i> , 2003, 258, 336-345.	1.2	56
26	Germ Tube Mediated Invasion of <i>Batrachochytrium dendrobatidis</i> in Amphibian Skin Is Host Dependent. <i>PLoS ONE</i> , 2012, 7, e41481.	2.5	55
27	<i>Helicobacter suis</i> Causes Severe Gastric Pathology in Mouse and Mongolian Gerbil Models of Human Gastric Disease. <i>PLoS ONE</i> , 2010, 5, e14083.	2.5	51
28	<i>Batrachochytrium dendrobatidis</i> zoospore secretions rapidly disturb intercellular junctions in frog skin. <i>Fungal Genetics and Biology</i> , 2012, 49, 830-837.	2.1	51
29	<i>Clostridium perfringens</i> Beta-Toxin Induces Necrostatin-Inhibitable, Calpain-Dependent Necrosis in Primary Porcine Endothelial Cells. <i>PLoS ONE</i> , 2013, 8, e64644.	2.5	48
30	Astrocyte-endothelial cell calcium signals conveyed by two signalling pathways. <i>European Journal of Neuroscience</i> , 2001, 13, 79-91.	2.6	48
31	Ultrastructural localization of cytochrome c in apoptosis demonstrates mitochondrial heterogeneity. <i>Cell Death and Differentiation</i> , 2000, 7, 331-337.	11.2	47
32	Extrinsic risk factors for compromised blood flow in the vertebral artery: anatomical observations of the transverse foramina from C3 to C7. <i>Surgical and Radiologic Anatomy</i> , 2005, 27, 312-316.	1.2	44
33	Persistence of <i>Yersinia ruckeri</i> in trout macrophages. <i>Fish and Shellfish Immunology</i> , 2010, 29, 648-655.	3.6	44
34	Divergence between the Highly Virulent Zoonotic Pathogen <i>Helicobacter heilmannii</i> and Its Closest Relative, the Low-Virulence <i>Helicobacter ailurogastricus</i> sp. nov. <i>Infection and Immunity</i> , 2016, 84, 293-306.	2.2	37
35	Astrocyte-endothelial cell calcium signals conveyed by two signalling pathways. <i>European Journal of Neuroscience</i> , 2001, 13, 79-91.	2.6	31
36	Atherosclerosis in the vertebral artery: an intrinsic risk factor in the use of spinal manipulation?. <i>Surgical and Radiologic Anatomy</i> , 2006, 28, 129-134.	1.2	30

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37	T-2 toxin induced Salmonella Typhimurium intoxication results in decreased Salmonella numbers in the cecum contents of pigs, despite marked effects on Salmonella-host cell interactions. <i>Veterinary Research</i> , 2012, 43, 22.	3.0	30
38	Electrostatic Intraperitoneal Aerosol Delivery of Nanoparticles: Proof of Concept and Preclinical Validation. <i>Advanced Healthcare Materials</i> , 2020, 9, e2000655.	7.6	30
39	An Anatomically Validated Brachial Plexus Contouring Method for Intensity Modulated Radiation Therapy Planning. <i>International Journal of Radiation Oncology Biology Physics</i> , 2013, 87, 802-808.	0.8	28
40	Effects of Helicobacter suis $\hat{3}$ - Glutamyl Transpeptidase on Lymphocytes: Modulation by Glutamine and Glutathione Supplementation and Outer Membrane Vesicles as a Putative Delivery Route of the Enzyme. <i>PLoS ONE</i> , 2013, 8, e77966.	2.5	26
41	Biogenesis of peroxisomes in fetal liver. , 1997, 39, 453-466.		25
42	Germination of Aspergillus fumigatus inside avian respiratory macrophages is associated with cytotoxicity. <i>Veterinary Research</i> , 2012, 43, 32.	3.0	25
43	In situ end labeling of fragmented DNA in induced ovarian atresia. <i>Biochemistry and Cell Biology</i> , 1994, 72, 573-579.	2.0	20
44	The posterior cruciate ligament: a study on its bony and soft tissue anatomy using novel 3D CT technology. <i>Knee Surgery, Sports Traumatology, Arthroscopy</i> , 2013, 21, 1005-1010.	4.2	20
45	The Effect of Helicobacter felis and Helicobacter bizzozeronii on the Gastric Mucosa in Mongolian Gerbils: a Sequential Pathological Study. <i>Journal of Comparative Pathology</i> , 2006, 135, 226-236.	0.4	19
46	$\hat{2}$ -ODAP alters mitochondrial Ca ²⁺ handling as an early event in excitotoxicity. <i>Cell Calcium</i> , 2010, 47, 287-296.	2.4	19
47	Intracellular free calcium related to apoptotic cell death in quail granulosa cell sheets kept in serum-free culture. <i>Cell Death and Differentiation</i> , 1997, 4, 59-65.	11.2	18
48	Revisiting the segmental organization of the human spinal cord. <i>Journal of Anatomy</i> , 2016, 229, 384-393.	1.5	18
49	Release of urinary extracellular vesicles in prostate cancer is associated with altered urinary N-glycosylation profile. <i>Journal of Clinical Pathology</i> , 2017, 70, 838-846.	2.0	18
50	Correlation of clinical and physical-technical image quality in chest CT: a human cadaver study applied on iterative reconstruction. <i>BMC Medical Imaging</i> , 2015, 15, 32.	2.7	17
51	Equine oviduct explant culture: a basic model to decipher embryoâ€œmaternal communication. <i>Reproduction, Fertility and Development</i> , 2014, 26, 954.	0.4	15
52	Contribution of progesterone, follicle stimulating hormone and glucocorticoids in survival of serum-free cultured granulosa cell explants. <i>Journal of Endocrinology</i> , 2001, 169, 321-331.	2.6	14
53	First and Second Messenger Role of Calcium: Survival versus Apoptosis in Serumâ€œFree Cultured Granulosa Explants. <i>Annals of the New York Academy of Sciences</i> , 2000, 926, 101-115.	3.8	13
54	The Impact of Muscular Variation on the Neurodynamic Test for the Median Nerve in a Healthy Population With Langer's Axillary Arch. <i>Journal of Manipulative and Physiological Therapeutics</i> , 2008, 31, 474-483.	0.9	12

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55	Asymmetry of the ULNT1 elbow extension range-of-motion in a healthy population: Consequences for clinical practice and research. <i>Physical Therapy in Sport</i> , 2012, 13, 141-149.	1.9	12
56	The brachial plexus – explaining its morphology and variability by a generic developmental model. <i>Journal of Anatomy</i> , 2020, 236, 862-882.	1.5	12
57	Deltoid muscle volume estimated from ultrasonography: in vitro validation and correlation with isokinetic abduction strength of the shoulder. <i>Medical and Biological Engineering and Computing</i> , 2009, 47, 557-563.	2.8	11
58	Leptomeningeal cyst: Early diagnosis by color Doppler imaging. <i>Pediatric Radiology</i> , 1992, 22, 417-418.	2.0	10
59	Muscle fibres crossing the line of incision used in carpal tunnel decompression. <i>Journal of Hand Surgery: European Volume</i> , 2010, 35, 115-119.	1.0	10
60	Inverse Expression of Peroxisomes and Connexin-43 in the Granulosa Cells of the Quail Follicle. <i>Journal of Histochemistry and Cytochemistry</i> , 2000, 48, 167-177.	2.5	9
61	A stereotaxic atlas of the forebrain of the bank vole (<i>Clethrionomys glareolus</i>). <i>Brain Research Bulletin</i> , 1999, 48, 555-567.	3.0	8
62	Mitotic catastrophe as a prestage to necrosis in mouse liver cells treated with <i>Helicobacter pullorum</i> sonicates. <i>Journal of Morphology</i> , 2009, 270, 921-928.	1.2	8
63	Reliability and accuracy assessment of radiation therapy oncology group-endorsed guidelines for brachial plexus contouring. <i>Strahlentherapie Und Onkologie</i> , 2014, 190, 628-635.	2.0	8
64	Laparoscopic Liver Surgery Training Course on Thiel-Embalmed Human Cadavers: Program Evaluation, Trainer's Long-Term Feedback and Steps Forward. <i>World Journal of Surgery</i> , 2019, 43, 2902-2908.	1.6	8
65	Anti-inflammatory activity of the sesquiterpene lactone diacetylpiptocarphol in dextran sulfate sodium-induced colitis in mice. <i>Journal of Ethnopharmacology</i> , 2019, 245, 112186.	4.1	8
66	A vertebral artery without atlantic and intradural sections: A case report and a review of the literature. <i>Annals of Anatomy</i> , 2005, 187, 271-275.	1.9	7
67	Systematic review of surgical training on reperfused human cadavers. <i>Acta Chirurgica Belgica</i> , 2018, 118, 141-151.	0.4	7
68	A Case of Abnormal Findings in the Course of the Vertebral Artery Associated with an Ossified Hyoid Apparatus. A Contraindication for Manipulation of the Cervical Spine?. <i>Journal of Manipulative and Physiological Therapeutics</i> , 2005, 28, 346-351.	0.9	6
69	In vitro validation and reliability study of electromagnetic skin sensors for evaluation of end range of motion positions of the hip. <i>Medical and Biological Engineering and Computing</i> , 2011, 49, 1405-1412.	2.8	6
70	Arthroscopy of the sternoclavicular joint: an anatomic evaluation of structures at risk. <i>Surgical and Radiologic Anatomy</i> , 2013, 36, 375-81.	1.2	6
71	Steroids affect gene expression, ciliary activity, glucose uptake, progesterone receptor expression and immunoreactive steroidogenic protein expression in equine oviduct explants in vitro. <i>Reproduction, Fertility and Development</i> , 2016, 28, 1926.	0.4	6
72	Thiel embalmed human cadavers in surgical education: Optimizing realism and long-term application. <i>American Journal of Surgery</i> , 2021, 221, 1300-1302.	1.8	6

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73	Effects of the topical application of an ethyl acetate fraction from Vernonia scorpioides on excisional wounds infected with Staphylococcus aureus in rats. Revista Brasileira De Farmacognosia, 2012, 22, 123-130.	1.4	6
74	Painful isolated Horner's syndrome caused by pontine ischaemia. Graefe's Archive for Clinical and Experimental Ophthalmology, 2004, 242, 181-183.	1.9	5
75	Postmortem Pump-Driven Reperfusion of the Vascular System of Porcine Lungs: Towards a New Model for Surgical Training. European Surgical Research, 2014, 52, 8-20.	1.3	5
76	Post-mortem Reperfusion of a Pig: a First Step to a New Surgical Training Model?. Indian Journal of Surgery, 2015, 77, 712-715.	0.3	5
77	Simultaneous occurrence of a thyromediastinal muscle, a truncus bicaroticobrachialis, and a left superior vena cava. Clinical Anatomy, 2003, 16, 176-181.	2.7	4
78	Technical note: the design of a stereotactic frame for direct MRI-anatomical correlation of the brachial plexus. Surgical and Radiologic Anatomy, 2005, 27, 548-556.	1.2	4
79	Long non-coding RNAs in pluripotent stem cell biology. Veterinary Quarterly, 2013, 33, 202-206.	6.7	4
80	Understanding Thiel Embalming in Pig Kidneys to Develop a New Circulation Model. PLoS ONE, 2015, 10, e0120114.	2.5	4
81	Blastocyst production after intracytoplasmic sperm injection with semen from a stallion with testicular degeneration. Reproduction in Domestic Animals, 2018, 53, 814-817.	1.4	4
82	Screening algorithms for HBV, HCV, HIV and syphilis in an anatomical donation program. Annals of Anatomy, 2022, 239, 151805.	1.9	3
83	Peroxisomes during Development and in Distinct Cell Types. Advances in Experimental Medicine and Biology, 2003, 544, 39-54.	1.6	1
84	Reply to 'anatomy of renal arterial supply?'. Clinical Anatomy, 2004, 17, 689-689.	2.7	0
85	Evaluation and adjustment of screening algorithms for HBV, HCV, HIV and syphilis in an anatomical donation program for undergraduate education. FASEB Journal, 2022, 36, .	0.5	0