

Klaus Kayser

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/11362356/publications.pdf>

Version: 2024-02-01

79
papers

2,816
citations

172207

29
h-index

189595

50
g-index

81
all docs

81
docs citations

81
times ranked

2779
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|-----------|
| 1 | Histopathology of thymectomy specimens from the MGTX-trial: Entropy analysis as strategy to quantify spatial heterogeneity of lymphoid follicle and fat distribution. <i>PLoS ONE</i> , 2018, 13, e0197435. | 1.1 | 7 |
| 2 | Merging carbohydrate chemistry with lectin histochemistry to study inhibition of lectin binding by glycoclusters in the natural tissue context. <i>Histochemistry and Cell Biology</i> , 2016, 145, 185-199. | 0.8 | 16 |
| 3 | Quantitation of Immunohistochemistry by Image Analysis Technique. , 2016, , 51-71. | | 0 |
| 4 | How to define and implement diagnosis assistants in tissue-based diagnosis (surgical pathology): A survey. , 2015, , . | | 0 |
| 5 | Comparative study between quantitative digital image analysis and fluorescence in situ hybridization of breast cancer equivocal human epidermal growth factor receptors 2 score 2+ cases. <i>Journal of Pathology Informatics</i> , 2015, 6, 31. | 0.8 | 8 |
| 6 | Human osteoarthritic knee cartilage: fingerprinting of adhesion/growth-regulatory galectins in vitro and in situ indicates differential upregulation in severe degeneration. <i>Histochemistry and Cell Biology</i> , 2014, 142, 373-388. | 0.8 | 56 |
| 7 | Introduction to glycopathology: the concept, the tools and the perspectives. <i>Diagnostic Pathology</i> , 2014, 9, 4. | 0.9 | 24 |
| 8 | Quantitative pathology in virtual microscopy: History, applications, perspectives. <i>Acta Histochemica</i> , 2013, 115, 527-532. | 0.9 | 22 |
| 9 | The history of pathology informatics: A global perspective. <i>Journal of Pathology Informatics</i> , 2013, 4, 7. | 0.8 | 54 |
| 10 | Introduction of virtual microscopy in routine surgical pathology - a hypothesis and personal view from Europe. <i>Diagnostic Pathology</i> , 2012, 7, 48. | 0.9 | 29 |
| 11 | How to Introduce Virtual Microscopy (VM) in Routine Diagnostic Pathology: Constraints, Ideas, and Solutions. <i>Analytical Cellular Pathology</i> , 2012, 35, 3-10. | 0.7 | 8 |
| 12 | Medical Telecommunication Systems Today: What has been Done -What can be Done. <i>Journal of Telecommunications System & Management</i> , 2012, 01, . | 0.1 | 2 |
| 13 | History and structures of telecommunication in pathology, focusing on open access platforms. <i>Diagnostic Pathology</i> , 2011, 6, 110. | 0.9 | 14 |
| 14 | Virtual slides in peer reviewed, open access medical publication. <i>Diagnostic Pathology</i> , 2011, 6, 124. | 0.9 | 2 |
| 15 | To be at the right place at the right time. <i>Diagnostic Pathology</i> , 2011, 6, 2-9. | 0.9 | 2 |
| 16 | Interactive and automated application of virtual microscopy. <i>Diagnostic Pathology</i> , 2011, 6, S10. | 0.9 | 16 |
| 17 | E-education in pathology including certification of e-institutions. <i>Diagnostic Pathology</i> , 2011, 6, S11. | 0.9 | 17 |
| 18 | Grid computing in image analysis. <i>Diagnostic Pathology</i> , 2011, 6, S12. | 0.9 | 14 |

| # | ARTICLE | IF | CITATIONS |
|----|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|-----------|
| 19 | How to measure diagnosis-associated information in virtual slides. <i>Diagnostic Pathology</i> , 2011, 6, S9. | 0.9 | 23 |
| 20 | Quantification of virtual slides: Approaches to analysis of content-based image information. <i>Journal of Pathology Informatics</i> , 2011, 2, 2. | 0.8 | 13 |
| 21 | AI (artificial intelligence) in histopathology—from image analysis to automated diagnosis.. <i>Folia Histochemica Et Cytobiologica</i> , 2010, 47, 355-61. | 0.6 | 50 |
| 22 | Standards in virtual microscopy: from tissue processing to image acquisition and visualization. <i>Diagnostic Pathology</i> , 2010, 5, . | 0.9 | 4 |
| 23 | Image standardization in tissue - based diagnosis. <i>Diagnostic Pathology</i> , 2010, 5, . | 0.9 | 5 |
| 24 | Theory of sampling and its application in tissue based diagnosis. <i>Diagnostic Pathology</i> , 2009, 4, 6. | 0.9 | 42 |
| 25 | Image standards in Tissue-Based Diagnosis (Diagnostic Surgical Pathology). <i>Diagnostic Pathology</i> , 2008, 3, 17. | 0.9 | 44 |
| 26 | How to measure image quality in tissue-based diagnosis (diagnostic surgical pathology). <i>Diagnostic Pathology</i> , 2008, 3, S11. | 0.9 | 29 |
| 27 | Pharmacokinetic Analysis of Malignant Pleural Mesothelioma—Initial Results of Tumor Microcirculation and its Correlation to Microvessel Density (CD-34). <i>Academic Radiology</i> , 2008, 15, 563-570. | 1.3 | 44 |
| 28 | How to implement grid technology in tissue-based diagnosis: diagnostic surgical pathology. <i>Expert Opinion on Medical Diagnostics</i> , 2008, 2, 323-337. | 1.6 | 0 |
| 29 | Texture- and object-related automated information analysis in histological still images of various organs. , 2008, 30, 323-35. | | 17 |
| 30 | The role of microvascularization and growth/adhesion-regulatory lectins in the prognosis of non-small cell lung cancer in stage IIâ†. <i>European Journal of Cardio-thoracic Surgery</i> , 2007, 31, 783-787. | 0.6 | 26 |
| 31 | Diagnostic pathology - editorial. <i>Diagnostic Pathology</i> , 2007, 2, 2. | 0.9 | 6 |
| 32 | Frequent overexpression of the genesFXR1,CLAPM1andEIF4Glocated on amplicon 3q26-27 in squamous cell carcinoma of the lung. <i>International Journal of Cancer</i> , 2007, 120, 2538-2544. | 2.3 | 94 |
| 33 | Introducing Diagnostic Pathology. <i>Diagnostic Pathology</i> , 2006, 1, 1. | 0.9 | 23 |
| 34 | Towards an automated virtual slide screening: theoretical considerations and practical experiences of automated tissue-based virtual diagnosis to be implemented in the Internet. <i>Diagnostic Pathology</i> , 2006, 1, 10. | 0.9 | 51 |
| 35 | Grid technology in tissue-based diagnosis: fundamentals and potential developments. <i>Diagnostic Pathology</i> , 2006, 1, 23. | 0.9 | 27 |
| 36 | The diagnostic path, a useful visualisation tool in virtual microscopy. <i>Diagnostic Pathology</i> , 2006, 1, 40. | 0.9 | 33 |

| # | ARTICLE | IF | CITATIONS |
|----|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|-----------|
| 37 | Localized fibrous tumors (LFTs) of the pleura: Clinical data, asbestos burden, and syntactic structure analysis applied to newly defined angiogenic/growth-regulatory effectors. <i>Pathology Research and Practice</i> , 2005, 201, 791-801. | 1.0 | 16 |
| 38 | Numerical and structural centrosome aberrations are an early and stable event in the adenoma→carcinoma sequence of colorectal carcinomas. <i>Virchows Archiv Fur Pathologische Anatomie Und Physiologie Und Fur Klinische Medizin</i> , 2005, 447, 61-65. | 1.4 | 32 |
| 39 | Prognostic significance of microvascularization in cases of operated lung cancer. <i>European Journal of Cardio-thoracic Surgery</i> , 2005, 27, 1106-1111. | 0.6 | 13 |
| 40 | Prognostic Significance of Endogenous Adhesion/Growth-Regulatory Lectins in Lung Cancer. <i>Oncology</i> , 2005, 69, 167-174. | 0.9 | 77 |
| 41 | Lung carcinoma-associated atypical adenomatoid hyperplasia, squamous cell dysplasia, and chromosome alterations in non-neoplastic bronchial mucosa. <i>Lung Cancer</i> , 2005, 47, 205-214. | 0.9 | 12 |
| 42 | Teleconsultation in diagnostic pathology: experience from Iran and Germany with the use of two European telepathology servers. <i>Journal of Telemedicine and Telecare</i> , 2004, 10, 99-103. | 1.4 | 30 |
| 43 | Specific combinations of DNA repair gene variants and increased risk for non-small cell lung cancer. <i>Carcinogenesis</i> , 2004, 25, 2433-2441. | 1.3 | 184 |
| 44 | Determination of modulation of ligand properties of synthetic complex-type biantennary N-glycans by introduction of bisecting GlcNAc in silico, in vitro and in vivo. <i>FEBS Journal</i> , 2004, 271, 118-134. | 0.2 | 108 |
| 45 | Genotype relationships in the CYP3A locus in Caucasians. <i>Cancer Letters</i> , 2004, 207, 95-99. | 3.2 | 42 |
| 46 | New developments in digital pathology: from telepathology to virtual pathology laboratory. <i>Studies in Health Technology and Informatics</i> , 2004, 105, 61-9. | 0.2 | 24 |
| 47 | Chromosomal Aberrations, Profiles of Expression of Growth-related Markers Including Galectins and Environmental Hazards in Relation to the Incidence of Chondroid Pulmonary Hamartomas. <i>Pathology Research and Practice</i> , 2003, 199, 589-598. | 1.0 | 16 |
| 48 | Vascular diffusion density and survival of patients with primary lung carcinomas. <i>Virchows Archiv Fur Pathologische Anatomie Und Physiologie Und Fur Klinische Medizin</i> , 2003, 442, 462-467. | 1.4 | 14 |
| 49 | Atypical adenomatous hyperplasia of lung: its incidence and analysis of clinical, glycohistochemical and structural features including newly defined growth regulators and vascularization. <i>Lung Cancer</i> , 2003, 42, 171-182. | 0.9 | 31 |
| 50 | The CYP3A4*1B allele increases risk for small cell lung cancer. <i>Pharmacogenetics and Genomics</i> , 2003, 13, 607-618. | 5.7 | 82 |
| 51 | Expression, proliferation activity and clinical significance of cathepsin B and cathepsin L in operated lung cancer. <i>Anticancer Research</i> , 2003, 23, 2767-72. | 0.5 | 29 |
| 52 | Interdisciplinary telecommunication and expert teleconsultation in diagnostic pathology: present status and future prospects. <i>Journal of Telemedicine and Telecare</i> , 2002, 8, 325-330. | 1.4 | 21 |
| 53 | Structure→Activity Profiles of Complex Biantennary Glycans with Core Fucosylation and with/without Additional 1±2,3/1±2,6 Sialylation:→ Synthesis of Neoglycoproteins and Their Properties in Lectin Assays, Cell Binding, and Organ Uptake. <i>Journal of Medicinal Chemistry</i> , 2002, 45, 478-491. | 2.9 | 122 |
| 54 | Overexpression of the eukaryotic translation initiation factor 4G (eIF4G-1) in squamous cell lung carcinoma. <i>International Journal of Cancer</i> , 2002, 98, 181-185. | 2.3 | 72 |

| # | ARTICLE | IF | CITATIONS |
|----|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|-----------|
| 55 | Myeloperoxidase(MPO)genotype and lung cancer histologic types: TheMPO \hat{a} 463 Aallele is associated with reduced risk for small cell lung cancer in smokers. International Journal of Cancer, 2002, 102, 530-535. | 2.3 | 54 |
| 56 | Primary colorectal carcinomas and their intrapulmonary metastases: Clinical, glyco-, immuno- and lectin histochemical, nuclear and syntactic structure analysis with emphasis on correlation with period of occurrence of metastases and survival. Apmis, 2002, 110, 435-446. | 0.9 | 25 |
| 57 | Telepathology overview: From concept to implementation. Human Pathology, 2001, 32, 1283-1299. | 1.1 | 192 |
| 58 | Glutathione-S-Transferase M1, M3, T1 and P1 polymorphisms and susceptibility to non-small-cell lung cancer subtypes and hamartomas. Pharmacogenetics and Genomics, 2001, 11, 757-764. | 5.7 | 77 |
| 59 | Endobronchial juvenile hemangioma - a case report of a neonate including immunohistochemical monitoring and nuclear, cellular, and vascular morphometry. Virchows Archiv Fur Pathologische Anatomie Und Physiologie Und Fur Klinische Medizin, 2001, 438, 192-197. | 1.4 | 18 |
| 60 | Glyco- and immunohistochemical refinement of the differential diagnosis between mesothelioma and metastatic carcinoma and survival analysis of patients. Journal of Pathology, 2001, 193, 175-180. | 2.1 | 32 |
| 61 | Survival, disease-free interval, and associated tumor features in patients with colon/rectal carcinomas and their resected intra-pulmonary metastases. European Journal of Cardio-thoracic Surgery, 2001, 19, 908-913. | 0.6 | 92 |
| 62 | Editorial. Analytical Cellular Pathology, 2000, 21, 95-96. | 2.1 | 14 |
| 63 | Association of Concentration of Asbestos and Asbestos-like Fibers with the Patient's Survival and the Binding Capacity of Lung Parenchyma to Galectin-1 and Natural $\hat{I}\pm$ -Galactoside- and $\hat{I}\pm$ -Mannoside-binding Immunoglobulin G Subfractions from Human Serum. Pathology Research and Practice, 2000, 196, 81-87. | 1.0 | 11 |
| 64 | Galectins-1 and -3 and their ligands in tumor biology. Journal of Cancer Research and Clinical Oncology, 1999, 125, 461-474. | 1.2 | 181 |
| 65 | Pulmonary metastases of breast carcinomas: Ligandohistochemical, nuclear, and structural analysis of primary and metastatic tumors with emphasis on period of occurrence of metastases and survival. , 1998, 69, 137-146. | | 20 |
| 66 | Beyond Plant Lectin Histochemistry: Preparation and Application of Markers to Visualize the Cellular Capacity for Protein-Carbohydrate Recognition. Biotechnic and Histochemistry, 1998, 73, 263-277. | 0.7 | 26 |
| 67 | Diffuse Pulmonary Hemosiderosis after Exposure to Pesticides. Respiration, 1998, 65, 214-218. | 1.2 | 14 |
| 68 | Pulmonary metastases of breast carcinomas: Ligandohistochemical, nuclear, and structural analysis of primary and metastatic tumors with emphasis on period of occurrence of metastases and survival. , 1998, 69, 137. | | 2 |
| 69 | Neoglycoproteins with the Synthetic Complex Biantennary Nonasaccharide or Its $\hat{I}\pm$ 2,3 $\hat{I}\pm$ 2,6-Sialylated Derivatives: \hat{A} Their Preparation, Assessment of Their Ligand Properties for Purified Lectins, for Tumor Cells in Vitro, and in Tissue Sections, and Their Biodistribution in Tumor-Bearing Mice. Bioconjugate Chemistry, 1997, 8, 845-855. | 1.8 | 100 |
| 70 | Graph Theory and the Entropy Concept in Histochemistry. Progress in Histochemistry and Cytochemistry, 1997, 32, III-102. | 5.1 | 20 |
| 71 | Parameters Derived from Integrated Nuclear Fluorescence, Syntactic Structure Analysis, and Vascularization in Human Lung Carcinomas. Analytical Cellular Pathology, 1997, 15, 73-83. | 2.1 | 16 |
| 72 | Carcinoid tumors of the lung: Immuno- and ligandohistochemistry, analysis of integrated optical density, syntactic structure analysis, clinical data, and prognosis of patients treated surgically. , 1996, 63, 99-106. | | 39 |

| # | ARTICLE | IF | CITATIONS |
|----|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|-----------|
| 73 | Developmental regulation of presence of binding sites for neoglycoproteins and endogenous lectins in various embryonic stages of human lung, liver and heart. Roux's Archives of Developmental Biology, 1995, 204, 344-349. | 1.2 | 4 |
| 74 | Protein-Zucker-Erkennung Grundlagen und Medizinische Anwendung am Beispiel der Tumorlektinologie. Die Naturwissenschaften, 1995, 82, 533-543. | 0.6 | 42 |
| 75 | Protein-Zucker-Erkennung Grundlagen und medizinische Anwendung am Beispiel der Tumorlektinologie. Die Naturwissenschaften, 1995, 82, 533-543. | 0.6 | 3 |
| 76 | [4] Detection and quantification of carbohydrate-binding sites on cell surfaces and in tissue sections by neoglycoproteins. Methods in Enzymology, 1994, 242, 37-46. | 0.4 | 14 |
| 77 | Alterations in human lung parenchyma after cytostatic therapy. Apmis, 1991, 99, 121-128. | 0.9 | 9 |
| 78 | Carrier-immobilized derivatized lysoganglioside GM1 is a ligand for specific binding sites in various human tumor cell types and peripheral blood lymphocytes and monocytes. Biochemical and Biophysical Research Communications, 1990, 169, 239-244. | 1.0 | 25 |
| 79 | Histopathologic evaluation of application of labeled neoglycoproteins in primary bronchus carcinoma. Human Pathology, 1989, 20, 352-360. | 1.1 | 13 |