

Nek Valous

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/4317668/publications.pdf>

Version: 2024-02-01

43
papers

1,916
citations

331670

21
h-index

330143

37
g-index

43
all docs

43
docs citations

43
times ranked

2751
citing authors

#	ARTICLE	IF	CITATIONS
1	Predicting survival from colorectal cancer histology slides using deep learning: A retrospective multicenter study. <i>PLoS Medicine</i> , 2019, 16, e1002730.	8.4	563
2	Colour calibration of a laboratory computer vision system for quality evaluation of pre-sliced hams. <i>Meat Science</i> , 2009, 81, 132-141.	5.5	198
3	Postischemic Brain Infiltration of Leukocyte Subpopulations Differs among Murine Permanent and Transient Focal Cerebral Ischemia Models. <i>Brain Pathology</i> , 2013, 23, 34-44.	4.1	128
4	Predicting the ripening of papaya fruit with digital imaging and random forests. <i>Computers and Electronics in Agriculture</i> , 2018, 145, 76-82.	7.7	121
5	BMP-9 interferes with liver regeneration and promotes liver fibrosis. <i>Gut</i> , 2017, 66, 939-954.	12.1	107
6	<i>In Silico</i> Modeling of Immunotherapy and Stroma-Targeting Therapies in Human Colorectal Cancer. <i>Cancer Research</i> , 2017, 77, 6442-6452.	0.9	90
7	Detailed resolution analysis reveals spatial T cell heterogeneity in the invasive margin of colorectal cancer liver metastases associated with improved survival. <i>Oncolmmunology</i> , 2017, 6, e1286436.	4.6	59
8	Performance of a double drum dryer for producing pregelatinized maize starches. <i>Journal of Food Engineering</i> , 2002, 51, 171-183.	5.2	54
9	Texture appearance characterization of pre-sliced pork ham images using fractal metrics: Fourier analysis dimension and lacunarity. <i>Food Research International</i> , 2009, 42, 353-362.	6.2	48
10	Classification of pre-sliced pork and Turkey ham qualities based on image colour and textural features and their relationships with consumer responses. <i>Meat Science</i> , 2010, 84, 455-465.	5.5	47
11	Emerging non-contact imaging, spectroscopic and colorimetric technologies for quality evaluation and control of hams: a review. <i>Trends in Food Science and Technology</i> , 2010, 21, 26-43.	15.1	40
12	Analysis and classification of commercial ham slice images using directional fractal dimension features. <i>Meat Science</i> , 2009, 81, 313-320.	5.5	37
13	Tenderness prediction in porcine longissimus dorsi muscles using instrumental measurements along with NIR hyperspectral and computer vision imagery. <i>Innovative Food Science and Emerging Technologies</i> , 2013, 20, 335-342.	5.6	32
14	Semantic Focusing Allows Fully Automated Single-Layer Slide Scanning of Cervical Cytology Slides. <i>PLoS ONE</i> , 2013, 8, e61441.	2.5	32
15	CCR5 status and metastatic progression in colorectal cancer. <i>Oncolmmunology</i> , 2019, 8, e1626193.	4.6	30
16	The use of lacunarity for visual texture characterization of pre-sliced cooked pork ham surface intensities. <i>Food Research International</i> , 2010, 43, 387-395.	6.2	29
17	Robust detection and segmentation of cell nuclei in biomedical images based on a computational topology framework. <i>Medical Image Analysis</i> , 2017, 38, 90-103.	11.6	28
18	<i>astrocytic glutamine synthetase is expressed in the neuronal somatic layers and downregulated proportionally to neuronal loss in the human epileptic hippocampus. Glia</i> , 2018, 66, 920-933.	4.9	27

#	ARTICLE	IF	CITATIONS
19	Supervised neural network classification of pre-sliced cooked pork ham images using quaternionic singular values. <i>Meat Science</i> , 2010, 84, 422-430.	5.5	26
20	A frame-based ANN for classification of hyperspectral images: assessment of mechanical damage in mushrooms. <i>Neural Computing and Applications</i> , 2017, 28, 969-981.	5.6	25
21	Identification of important image features for pork and turkey ham classification using colour and wavelet texture features and genetic selection. <i>Meat Science</i> , 2010, 84, 711-717.	5.5	22
22	Heat transport to a starch slurry gelatinizing between the drums of a double drum dryer. <i>Journal of Food Engineering</i> , 2002, 54, 45-58.	5.2	21
23	Characterization of fat-connective tissue size distribution in pre-sliced pork hams using multifractal analysis. <i>Meat Science</i> , 2009, 83, 713-722.	5.5	21
24	Parsimonious classification of binary lacunarity data computed from food surface images using kernel principal component analysis and artificial neural networks. <i>Meat Science</i> , 2011, 87, 107-114.	5.5	19
25	Multistage histopathological image segmentation of Iba1-stained murine microglia in a focal ischemia model: Methodological workflow and expert validation. <i>Journal of Neuroscience Methods</i> , 2013, 213, 250-262.	2.5	16
26	Detecting fractal power-law long-range dependence in pre-sliced cooked pork ham surface intensity patterns using Detrended Fluctuation Analysis. <i>Meat Science</i> , 2010, 86, 289-297.	5.5	11
27	Spatial intratumoral heterogeneity of proliferation in immunohistochemical images of solid tumors. <i>Medical Physics</i> , 2016, 43, 2936-2947.	3.0	11
28	Large-scale database mining reveals hidden trends and future directions for cancer immunotherapy. <i>Oncology</i> , 2018, 7, e1444412.	4.6	11
29	VIS-NIR spectroscopy as a process analytical technology for compositional characterization of film biopolymers and correlation with their mechanical properties. <i>Materials Science and Engineering C</i> , 2015, 56, 274-279.	7.3	10
30	Image processing techniques for computer vision in the food and beverage industries. , 2012, , 97-129.		9
31	Multilacunarity as a spatial multiscale multi-mass morphometric of change in the meso-architecture of plant parenchyma tissue. <i>Chaos</i> , 2018, 28, 093110.	2.5	8
32	Downregulation of SPARC Is Associated with Epithelial-Mesenchymal Transition and Low Differentiation State of Biliary Tract Cancer Cells. <i>European Surgical Research</i> , 2019, 60, 1-12.	1.3	7
33	Quality Evaluation of Meat Cuts. , 2016, , 175-193.		6
34	Segmentation of biomedical images based on a computational topology framework. <i>Seminars in Immunology</i> , 2020, 48, 101432.	5.6	6
35	Interrogating the microenvironmental landscape of tumors with computational image analysis approaches. <i>Seminars in Immunology</i> , 2020, 48, 101411.	5.6	5
36	Hyperspectral Imaging Analysis and Applications for Food Quality. , 0, , .		4

#	ARTICLE	IF	CITATIONS
37	Spatial organization and correlation properties quantify structural changes on mesoscale of parenchymatous plant tissue. <i>Journal of Applied Physics</i> , 2014, 115, .	2.5	3
38	Abstract A102: The fat in ovarian cancer: Immune-dependent tumor-promoting effects. <i>Cancer Immunology Research</i> , 2016, 4, A102-A102.	3.4	2
39	Microglia Activation in the Midbrain of the Human Neonate: The Effect of Perinatal Hypoxic-Ischemic Injury. <i>Journal of Neuropathology and Experimental Neurology</i> , 2022, 81, 208-224.	1.7	2
40	Multifractal Characterization of Apple Pore and Ham Fat-Connective Tissue Size Distributions Using Image Analysis. <i>Food Engineering Series</i> , 2010, , 599-616.	0.7	1
41	Abstract A114: Omental fat in ovarian cancer induces metabolic and immune alterations. , 2019, , .		0
42	Abstract A171: A fully human tissue-based ex vivo cell migration analysis model to study T-cell infiltration and distribution in colorectal cancer liver metastases. , 2019, , .		0
43	Image segmentation. , 2019, , 93-102.		0