

ZoltÄ;n BÄ;lint

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/1724103/publications.pdf>

Version: 2024-02-01

52
papers

1,632
citations

279487

23
h-index

301761

39
g-index

53
all docs

53
docs citations

53
times ranked

2836
citing authors

#	ARTICLE	IF	CITATIONS
1	SERS-based DNA methylation profiling allows the differential diagnosis of malignant lymphadenopathy. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2022, 264, 120216.	2.0	11
2	SERS Liquid Biopsy Profiling of Serum for the Diagnosis of Kidney Cancer. <i>Biomedicines</i> , 2022, 10, 233.	1.4	12
3	Combined miRNA and SERS urine liquid biopsy for the point-of-care diagnosis and molecular stratification of bladder cancer. <i>Molecular Medicine</i> , 2022, 28, 39.	1.9	26
4	More than Meets the Eye: Using Textural Analysis and Artificial Intelligence as Decision Support Tools in Prostate Cancer Diagnosis – A Systematic Review. <i>Journal of Personalized Medicine</i> , 2022, 12, 983.	1.1	9
5	Region-of-Interest-Based Cardiac Image Segmentation with Deep Learning. <i>Applied Sciences (Switzerland)</i> , 2021, 11, 1965.	1.3	14
6	A Transfer Learning Approach on the Optimization of Edge Detectors for Medical Images Using Particle Swarm Optimization. <i>Entropy</i> , 2021, 23, 414.	1.1	8
7	SERS liquid biopsy: An emerging tool for medical diagnosis. <i>Colloids and Surfaces B: Biointerfaces</i> , 2021, 208, 112064.	2.5	41
8	Correlation between Volumes Determined by Echocardiography and Cardiac MRI in Controls and Atrial Fibrillation Patients. <i>Life</i> , 2021, 11, 1362.	1.1	1
9	Butterfly Effect in Chaotic Image Segmentation. <i>Entropy</i> , 2020, 22, 1028.	1.1	6
10	Feasibility of Automatic Seed Generation Applied to Cardiac MRI Image Analysis. <i>Mathematics</i> , 2020, 8, 1511.	1.1	6
11	Photothermal property assessment of gold nanoparticle assemblies obtained by hydroxylamine reduction. <i>Colloid and Polymer Science</i> , 2020, 298, 1369-1377.	1.0	2
12	Robustness analysis of transferable cellular automata rules optimized for edge detection. <i>Procedia Computer Science</i> , 2020, 176, 713-722.	1.2	4
13	<p>Assessment of Gold-Coated Iron Oxide Nanoparticles as Negative T2 Contrast Agent in Small Animal MRI Studies</p>. <i>International Journal of Nanomedicine</i> , 2020, Volume 15, 4811-4824.	3.3	16
14	Evolutionary curriculum learning approach for transferable cellular automata rule optimization. , 2020, , .		1
15	Autonomous Image Segmentation by Competitive Unsupervised GrowCut. , 2019, , .		3
16	Particle Swarm Optimization of Cellular Automata Rules for Edge Detection. , 2019, , .		2
17	Unsupervised and Fully Autonomous 3D Medical Image Segmentation Based on Grow Cut. , 2018, , .		0
18	Docking of Meprin \pm to Heparan Sulphate Protects the Endothelium from Inflammatory Cell Extravasation. <i>Thrombosis and Haemostasis</i> , 2018, 118, 1790-1802.	1.8	12

#	ARTICLE	IF	CITATIONS
19	SERS-based quantification of albuminuria in the normal-to-mildly increased range. <i>Analyst</i> , The, 2018, 143, 5372-5379.	1.7	26
20	Healthy Lung Vessel Morphology Derived From Thoracic Computed Tomography. <i>Frontiers in Physiology</i> , 2018, 9, 346.	1.3	13
21	Rho-Kinase Inhibition Ameliorates Dasatinib-Induced Endothelial Dysfunction and Pulmonary Hypertension. <i>Frontiers in Physiology</i> , 2018, 9, 537.	1.3	23
22	CD133 ⁺ cells in pulmonary arterial hypertension. <i>European Respiratory Journal</i> , 2016, 48, 459-469.	3.1	18
23	Automated integer programming based separation of arteries and veins from thoracic CT images. <i>Medical Image Analysis</i> , 2016, 34, 109-122.	7.0	35
24	Activated prostaglandin D2 receptors on macrophages enhance neutrophil recruitment into the lung. <i>Journal of Allergy and Clinical Immunology</i> , 2016, 137, 833-843.	1.5	61
25	STIM1/ORAI1-mediated Ca ²⁺ Influx Regulates Enolase-1 Exteriorization. <i>Journal of Biological Chemistry</i> , 2015, 290, 11983-11999.	1.6	34
26	Automatic Artery-Vein Separation from Thoracic CT Images Using Integer Programming. <i>Lecture Notes in Computer Science</i> , 2015, , 36-43.	1.0	1
27	Hypoxia- or PDGF-BB-dependent paxillin tyrosine phosphorylation in pulmonary hypertension is reversed by HIF-1 α depletion or imatinib treatment. <i>Thrombosis and Haemostasis</i> , 2014, 112, 1288-1303.	1.8	18
28	Heteromerization of GPR55 and cannabinoid CB ₂ receptors modulates signalling. <i>British Journal of Pharmacology</i> , 2014, 171, 5387-5406.	2.7	105
29	Non-invasive determination of pulmonary hypertension with dynamic contrast-enhanced computed tomography: a pilot study. <i>European Radiology</i> , 2014, 24, 668-676.	2.3	25
30	NPY _{Y1} receptor-mediated vasoconstrictory and proliferative effects in pulmonary hypertension. <i>British Journal of Pharmacology</i> , 2014, 171, 3895-3907.	2.7	40
31	Comprehensive analysis of inflammatory markers in chronic thromboembolic pulmonary hypertension patients. <i>European Respiratory Journal</i> , 2014, 44, 951-962.	3.1	94
32	Quantification of Tortuosity and Fractal Dimension of the Lung Vessels in Pulmonary Hypertension Patients. <i>PLoS ONE</i> , 2014, 9, e87515.	1.1	83
33	Determination of cardiac output with dynamic contrast-enhanced computed tomography. <i>International Journal of Cardiovascular Imaging</i> , 2013, 29, 1871-1878.	0.7	12
34	Src tyrosine kinase is crucial for potassium channel function in human pulmonary arteries. <i>European Respiratory Journal</i> , 2013, 41, 85-95.	3.1	104
35	Double-Stranded RNA Attenuates the Barrier Function of Human Pulmonary Artery Endothelial Cells. <i>PLoS ONE</i> , 2013, 8, e63776.	1.1	12
36	Peroxisome Proliferator-Activated Receptor γ , the Acute Signaling Factor in Prostacyclin-Induced Pulmonary Vasodilation. <i>American Journal of Respiratory Cell and Molecular Biology</i> , 2012, 46, 372-379.	1.4	44

#	ARTICLE	IF	CITATIONS
37	TRPV4 mutations in children with congenital distal spinal muscular atrophy. <i>Neurogenetics</i> , 2012, 13, 195-203.	0.7	31
38	Angiostatic Factors in the Pulmonary Endarterectomy Material from Chronic Thromboembolic Pulmonary Hypertension Patients Cause Endothelial Dysfunction. <i>PLoS ONE</i> , 2012, 7, e43793.	1.1	55
39	Interaction of eosinophils with endothelial cells is modulated by prostaglandin EP4 receptors. <i>European Journal of Immunology</i> , 2011, 41, 2379-2389.	1.6	33
40	Effect of Antimicrobial Peptide-Amide: Indolicidin on Biological Membranes. <i>Journal of Biomedicine and Biotechnology</i> , 2011, 2011, 1-6.	3.0	19
41	Alterations in the ankyrin domain of TRPV4 cause congenital distal SMA, scapuloperoneal SMA and HMSN2C. <i>Nature Genetics</i> , 2010, 42, 160-164.	9.4	228
42	Nuclear and cytoplasmic death receptor 5 as prognostic factors in patients with non-small cell lung cancer treated with chemotherapy. <i>Lung Cancer</i> , 2009, 65, 98-104.	0.9	29
43	Tailoring GaN Semiconductor Surfaces with Biomolecules. <i>Journal of Physical Chemistry B</i> , 2008, 112, 8799-8805.	1.2	55
44	Regulation of cerebral endothelial cell morphology by extracellular calcium. <i>Physics in Medicine and Biology</i> , 2007, 52, 6261-6274.	1.6	37
45	Adsorption and Self-Assembly of Oligodeoxynucleotides onto a Mica Surface. <i>Journal of Physical Chemistry C</i> , 2007, 111, 17032-17037.	1.5	10
46	Direct Observation of Protein Motion during the Photochemical Reaction Cycle of Bacteriorhodopsin. <i>Langmuir</i> , 2007, 23, 7225-7228.	1.6	9
47	Changes induced by hyperosmotic mannitol in cerebral endothelial cells: an atomic force microscopic study. <i>European Biophysics Journal</i> , 2007, 36, 113-120.	1.2	34
48	Stabilization Effect of Single-Walled Carbon Nanotubes on the Functioning of Photosynthetic Reaction Centers. <i>Journal of Physical Chemistry B</i> , 2006, 110, 21473-21479.	1.2	54
49	N-terminal acylation of the SV40 nuclear localization signal peptide enhances its oligonucleotide binding and membrane translocation efficiencies. <i>Archives of Biochemistry and Biophysics</i> , 2006, 454, 146-154.	1.4	5
50	The photochemical reaction cycle of retinal reconstituted bacteriorhodopsin. <i>Journal of Photochemistry and Photobiology B: Biology</i> , 2006, 85, 140-144.	1.7	5
51	The Nitrate Transporting Photochemical Reaction Cycle of the Pharaonis Halorhodopsin. <i>Biophysical Journal</i> , 2004, 86, 1655-1663.	0.2	14
52	Proton Transport by Proteorhodopsin Requires that the Retinal Schiff Base Counterion Asp-97 Be Anionic. <i>Biochemistry</i> , 2003, 42, 6582-6587.	1.2	92