

Lukas Lambert

List of Publications by Year in descending order

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Version: 2024-02-01

59
papers

573
citations

687363

13
h-index

713466

21
g-index

60
all docs

60
docs citations

60
times ranked

949
citing authors

#	ARTICLE	IF	CITATIONS
1	Current Diagnostic and Therapeutic Aspects of Eosinophilic Myocarditis. <i>BioMed Research International</i> , 2016, 2016, 1-6.	1.9	72
2	Deep convolutional neural network-based segmentation and classification of difficult to define metastatic spinal lesions in 3D CT data. <i>Medical Image Analysis</i> , 2018, 49, 76-88.	11.6	65
3	Biomechanical indices are more sensitive than diameter in predicting rupture of asymptomatic abdominal aortic aneurysms. <i>Journal of Vascular Surgery</i> , 2020, 71, 617-626.e6.	1.1	36
4	Budd-Chiari Syndrome. <i>Prague Medical Report</i> , 2017, 118, 69-80.	0.8	35
5	Whole-body low-dose computed tomography in multiple myeloma staging: Superior diagnostic performance in the detection of bone lesions, vertebral compression fractures, rib fractures and extraskeletal findings compared to radiography with similar radiation exposure. <i>Oncology Letters</i> , 2017, 13, 2490-2494.	1.8	33
6	Multisystem mitochondrial diseases due to mutations in mtDNA-encoded subunits of complex I. <i>BMC Pediatrics</i> , 2020, 20, 41.	1.7	23
7	The Role of Magnetic Resonance Imaging and Cardiac Computed Tomography in the Assessment of Left Atrial Anatomy, Size, and Function. <i>BioMed Research International</i> , 2015, 2015, 1-13.	1.9	20
8	Fully automated classification of bone marrow infiltration in low-dose CT of patients with multiple myeloma based on probabilistic density model and supervised learning. <i>Computers in Biology and Medicine</i> , 2016, 71, 57-66.	7.0	19
9	Learning-based vertebra localization and labeling in 3D CT data of possibly incomplete and pathological spines. <i>Computer Methods and Programs in Biomedicine</i> , 2020, 183, 105081.	4.7	16
10	Age-related magnetic susceptibility changes in deep grey matter and cerebral cortex of normal young and middle-aged adults depicted by whole brain analysis. <i>Quantitative Imaging in Medicine and Surgery</i> , 2021, 11, 3906-3919.	2.0	16
11	Hemodynamic changes in patients with extracorporeal membrane oxygenation (ECMO) demonstrated by contrast-enhanced CT examinations - implications for image acquisition technique. <i>Perfusion (United Kingdom)</i> , 2017, 32, 220-225.	1.0	15
12	Evaluation of the Immunogenicity of a Vascular Graft Covered with Collagen Derived from the European Carp (<i>Cyprinus carpio</i>) and Bovine Collagen. <i>BioMed Research International</i> , 2019, 2019, 1-8.	1.9	14
13	A novel gentamicin-releasing wound dressing prepared from freshwater fish <i>Cyprinus carpio</i> collagen cross-linked with carbodiimide. <i>Journal of Bioactive and Compatible Polymers</i> , 2019, 34, 246-262.	2.1	13
14	Deep Gray Matter Iron Content in Neuromyelitis Optica and Multiple Sclerosis. <i>BioMed Research International</i> , 2020, 2020, 1-6.	1.9	13
15	How to recognize stent graft infection after endovascular aortic repair: the utility of 18F-FDG PET/CT in an infrequent but serious clinical setting. <i>Annals of Nuclear Medicine</i> , 2019, 33, 594-605.	2.2	12
16	Sub-milliSievert ultralow-dose CT colonography with iterative model reconstruction technique. <i>PeerJ</i> , 2016, 4, e1883.	2.0	12
17	In Vivo Evaluation of Short-Term Performance of New Three-Layer Collagen-Based Vascular Graft Designed for Low-Flow Peripheral Vascular Reconstructions. <i>BioMed Research International</i> , 2018, 2018, 1-7.	1.9	11
18	Targeted Drug Delivery and Theranostic Strategies in Malignant Lymphomas. <i>Cancers</i> , 2022, 14, 626.	3.7	11

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19	Growing number of emergency cranial CTs in patients with head injury not justified by their clinical need. <i>Wiener Klinische Wochenschrift</i> , 2017, 129, 159-163.	1.9	9
20	A bimodal pattern of the onset of COVID-19 related acute pancreatitis supports both the cytotoxic and immune-related pathogenesis – a systematic review. <i>Scandinavian Journal of Gastroenterology</i> , 2021, 56, 870-873.	1.5	9
21	The diagnostic performance of CT pulmonary angiography in the detection of chronic thromboembolic pulmonary hypertension – systematic review and meta-analysis. <i>European Radiology</i> , 2022, 32, 7927-7935.	4.5	9
22	Correlation between transversal and orthogonal maximal diameters of abdominal aortic aneurysms and alternative rupture risk predictors. <i>Computers in Biology and Medicine</i> , 2017, 83, 151-156.	7.0	8
23	The Age Dependent Progression of Hajdu-Cheney Syndrome in Two Families. <i>Prague Medical Report</i> , 2018, 119, 156-164.	0.8	8
24	Needle fragment embolism into the right ventricle: a rare cause of chest pain case report and literature review. <i>Wiener Klinische Wochenschrift</i> , 2016, 128, 215-220.	1.9	7
25	Management of severe pulmonary hemorrhage in a neonate on veno-arterial ECMO by the temporary clamping of the endotracheal tube – a case report. <i>Perfusion (United Kingdom)</i> , 2018, 33, 77-80.	1.0	7
26	Patient awareness, perception and attitude to contrast-enhanced CT examination: Implications for communication and compliance with patients' preferences. <i>Advances in Clinical and Experimental Medicine</i> , 2019, 28, 923-929.	1.4	7
27	The predictive value of cardiac morphology for long-term outcome of patients undergoing catheter ablation for atrial fibrillation. <i>Journal of Cardiovascular Computed Tomography</i> , 2018, 12, 418-424.	1.3	6
28	Rifampin-Releasing Triple-Layer Cross-Linked Fresh Water Fish Collagen Sponges as Wound Dressings. <i>BioMed Research International</i> , 2020, 2020, 1-13.	1.9	5
29	Combined valve replacement and aortocoronary bypass in an adult mucopolysaccharidosis type VII patient. <i>Cardiovascular Pathology</i> , 2021, 50, 107297.	1.6	5
30	Novel registration-based framework for CT angiography in lower legs. <i>Medical and Biological Engineering and Computing</i> , 2013, 51, 1079-1089.	2.8	4
31	Ultra-low-dose CT Imaging of the Thorax: Decreasing the Radiation Dose by One Order of Magnitude. <i>Indian Journal of Pediatrics</i> , 2016, 83, 1479-1481.	0.8	4
32	A computer-assisted system for handheld whole-breast ultrasonography. <i>International Journal of Computer Assisted Radiology and Surgery</i> , 2019, 14, 509-516.	2.8	4
33	Hybrid and Model-Based Iterative Reconstruction Influences the Volumetry of Visceral and Subcutaneous Adipose Tissue on Ultra-Low-Dose CT. <i>Obesity</i> , 2020, 28, 2083-2089.	3.0	4
34	Dystrophic calcification of the interventricular septum mimicking cardiac tumour and role of multimodality imaging. <i>European Heart Journal Cardiovascular Imaging</i> , 2021, 22, e20-e20.	1.2	4
35	Three-layer collagen-based vascular graft designed for low-flow peripheral vascular reconstructions. <i>Journal of Applied Biomedicine</i> , 2019, 17, 52-52.	1.7	4
36	The predictive value of computed tomography in the detection of reflux esophagitis in patients undergoing upper endoscopy. <i>Clinical Imaging</i> , 2018, 49, 97-100.	1.5	3

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37	X-ray indices of chest drain malposition after insertion for drainage of pneumothorax in mechanically ventilated critically ill patients. <i>Journal of Thoracic Disease</i> , 2018, 10, 5695-5701.	1.4	3
38	Treatment of failing arteriovenous dialysis graft by angioplasty, stent, and stent graft: Two-years analysis of patency rates and cost-effectiveness. <i>Experimental and Therapeutic Medicine</i> , 2019, 18, 4144-4150.	1.8	3
39	Intraoperative measurement of pressure gradient in median arcuate ligament syndrome as a rationale for radical surgical approach. <i>Acta Chirurgica Belgica</i> , 2018, 118, 36-41.	0.4	2
40	3D electroanatomical mapping is less sensitive to atrial remodeling in estimation of true left atrial volume than echocardiography. <i>BMC Medical Imaging</i> , 2018, 18, 32.	2.7	2
41	Early detection of lung cancer in Czech high-risk asymptomatic individuals (ELEGANCE). <i>Medicine (United States)</i> , 2021, 100, e23878.	1.0	2
42	Is fluorine-18-fluorocholine PET/CT suitable for the detection of skeletal involvement of multiple myeloma?. <i>Hellenic Journal of Nuclear Medicine</i> , 2018, 21, 167-168.	0.3	2
43	Detecting multiple myeloma via generalized multiple-instance learning. , 2018, , .		2
44	Attenuated Type of Asphyxiating Thoracic Dysplasia due to Mutations in DYNC2H1 Gene. <i>Prague Medical Report</i> , 2019, 120, 124-130.	0.8	2
45	Pancreatic Injury in Patients with SARS-Cov-2 (COVID-19) Infection: A Retrospective Analysis of CT Findings. <i>Gastroenterology Research and Practice</i> , 2021, 2021, 1-5.	1.5	2
46	Scintigraphy with 99mTc-HMPAO labeled leukocytes is still an accurate and convenient tool to rule out suspected inflammatory bowel disease in children. <i>Nuclear Medicine Review</i> , 2019, 22, 69-73.	0.5	2
47	Oxidative Stress Markers in Cerebrospinal Fluid of Newly Diagnosed Multiple Sclerosis Patients and Their Link to Iron Deposition and Atrophy. <i>Diagnostics</i> , 2022, 12, 1365.	2.6	2
48	Intercondylar Route of Prosthetic Infragenicular Femoropopliteal Bypass Has Better Primary, Assisted, and Secondary Patency but Not Limb Salvage Rate Compared to the Medial Route. <i>BioMed Research International</i> , 2016, 2016, 1-7.	1.9	1
49	Papillary fibroelastoma on pulmonary valve – Valve-sparing surgery of a cardiac tumor in a rare location. <i>Cardiovascular Pathology</i> , 2020, 46, 107195.	1.6	1
50	Juxtarenal Mycotic Aneurysm as a Complication of Acute Exacerbation of Chronic Cholecystitis Treated by Resection and Replacement by a Fresh Allograft. <i>Prague Medical Report</i> , 2016, 117, 54-60.	0.8	1
51	Computed Tomography Colonography Phantom: Construction, Validation and Literature Review. <i>Iranian Journal of Radiology</i> , 2016, 13, e31069.	0.2	1
52	The diagnostic performance of whole-body MRI in the staging of lymphomas in adult patients compared to PET/CT and enhanced reference standard – systematic review and meta-analysis. <i>Quantitative Imaging in Medicine and Surgery</i> , 2022, 12, 1572-1584.	2.0	1
53	Age Dependent Progression of Multiple Epiphyseal Dysplasia and Pseudoachondroplasia Due to Heterozygous Mutations in COMP Gene. <i>Prague Medical Report</i> , 2020, 121, 153-162.	0.8	1
54	Giant torturous left circumflex artery draining to the right atrium. <i>Echocardiography</i> , 2017, 34, 1260-1261.	0.9	0

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55	Multimodality imaging in endomyocardial fibrosis associated with Hodgkin lymphoma. <i>European Heart Journal Cardiovascular Imaging</i> , 2018, 19, 824-824.	1.2	0
56	Importance of endomyocardial biopsy in distinguishing between cardiac sarcoidosis and giant cell myocarditis. <i>Wiener Klinische Wochenschrift</i> , 2019, 131, 186-187.	1.9	0
57	Post MI Ventricular Septal Defect Treated by Percutaneous Implantation of Figulla Flex ASD Occluder. <i>JACC: Cardiovascular Interventions</i> , 2021, 14, e191-e193.	2.9	0
58	Surgical repair of a coronary artery aneurysm associated with coronary artery fistula – a case report. <i>Journal of International Medical Research</i> , 2021, 49, 030006052110532.	1.0	0
59	A unique case of unicuspid aortic valve with severe regurgitation combined with coronary-pulmonary fistula. <i>Kardiologia Polska</i> , 2022, 80, 220-222.	0.6	0