

Jessica C Sieren

List of Publications by Year in descending order

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Version: 2024-02-01

50
papers

1,624
citations

279798

23
h-index

302126

39
g-index

52
all docs

52
docs citations

52
times ranked

2952
citing authors

#	ARTICLE	IF	CITATIONS
1	CT-Assessed Dysanapsis and Airflow Obstruction in Early and Mid Adulthood. <i>Chest</i> , 2022, 161, 389-391.	0.8	10
2	Computed Tomography Features of Lung Structure Have Utility for Differentiating Malignant and Benign Pulmonary Nodules. <i>Chronic Obstructive Pulmonary Diseases (Miami, Fla)</i> , 2022, 9, 154-164.	0.7	1
3	Inter- and intra-scan variability for lung imaging quantifications via CT. , 2022, 12031, .		0
4	Scanner-specific validation of a CT simulator using a COPD-emulated anthropomorphic phantom. , 2022, 12031, .		1
5	A CT-Based Automated Algorithm for Airway Segmentation Using Freeze-and-Grow Propagation and Deep Learning. <i>IEEE Transactions on Medical Imaging</i> , 2021, 40, 405-418.	8.9	17
6	Expert consensus on perioperative immunotherapy for local advanced non-small cell lung cancer. <i>Translational Lung Cancer Research</i> , 2021, 10, 3713-3736.	2.8	12
7	Menstrual cycle impacts lung structure measures derived from quantitative computed tomography. <i>European Radiology</i> , 2021, , 1.	4.5	3
8	Understanding the Redox Biology of Selenium in the Search of Targeted Cancer Therapies. <i>Antioxidants</i> , 2020, 9, 420.	5.1	29
9	Longitudinal phenotype development in a minipig model of neurofibromatosis type 1. <i>Scientific Reports</i> , 2020, 10, 5046.	3.3	13
10	Validating indicators of CNS disorders in a swine model of neurological disease. <i>PLoS ONE</i> , 2020, 15, e0228222.	2.5	2
11	RABL6A Is an Essential Driver of MPNSTs that Negatively Regulates the RB1 Pathway and Sensitizes Tumor Cells to CDK4/6 Inhibitors. <i>Clinical Cancer Research</i> , 2020, 26, 2997-3011.	7.0	34
12	A Risk Prediction Model for Mortality Among Smokers in the COPD Gene [®] Study. <i>Chronic Obstructive Pulmonary Diseases (Miami, Fla)</i> , 2020, 7, 346-361.	0.7	9
13	Factors Affecting Radiation Dose in Computed Tomography Angiograms for Pulmonary Embolism: A Retrospective Cohort Study. <i>Journal of Clinical Imaging Science</i> , 2020, 10, 74.	1.1	7
14	Radiomic biomarkers informative of cancerous transformation in neurofibromatosis-1 plexiform tumors. <i>Journal of Neuroradiology</i> , 2019, 46, 179-185.	1.1	9
15	High-energy external defibrillation and transcutaneous pacing during MRI: feasibility and safety. <i>Journal of Cardiovascular Magnetic Resonance</i> , 2019, 21, 47.	3.3	4
16	Machine learning approach for distinguishing malignant and benign lung nodules utilizing standardized perinodular parenchymal features from CT. <i>Medical Physics</i> , 2019, 46, 3207-3216.	3.0	59
17	Post-imaging pulmonary nodule mathematical prediction models: are they clinically relevant?. <i>European Radiology</i> , 2019, 29, 5367-5377.	4.5	6
18	Differentiation of non-small cell lung cancer and histoplasmosis pulmonary nodules: insights from radiomics model performance compared with clinician observers. <i>Translational Lung Cancer Research</i> , 2019, 8, 979-988.	2.8	20

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19	Assessment of nociception and related quality-of-life measures in a porcine model of neurofibromatosis type 1. Pain, 2019, 160, 2473-2486.	4.2	11
20	Quantitative Imaging Markers of Lung Function in a Smoking Population Distinguish COPD Subgroups with Differential Lung Cancer Risk. Cancer Epidemiology Biomarkers and Prevention, 2019, 28, 724-730.	2.5	3
21	COPD Gene 2019: Redefining the Diagnosis of Chronic Obstructive Pulmonary Disease. Chronic Obstructive Pulmonary Diseases (Miami, Fla), 2019, 6, 384-399.	0.7	112
22	Features of COPD as Predictors of Lung Cancer. Chest, 2018, 153, 1326-1335.	0.8	67
23	Approaches to Evaluate Lung Inflammation in Translational Research. Veterinary Pathology, 2018, 55, 42-52.	1.7	38
24	Information theory optimization based feature selection in breast mammography lesion classification. , 2018, , .		6
25	Impact of advanced detector technology and iterative reconstruction on low-dose quantitative assessment of lung computed tomography density in a biological lung model. Medical Physics, 2018, 45, 3657-3670.	3.0	15
26	A porcine model of neurofibromatosis type 1 that mimics the human disease. JCI Insight, 2018, 3, .	5.0	44
27	Computed Tomography Measure of Lung at Risk and Lung Function Decline in Chronic Obstructive Pulmonary Disease. American Journal of Respiratory and Critical Care Medicine, 2017, 196, 569-576.	5.6	59
28	Immunohistochemical Markers for Prospective Studies in Neurofibromatosis-1 Porcine Models. Journal of Histochemistry and Cytochemistry, 2017, 65, 607-618.	2.5	21
29	Comparison of low- and ultralow-dose computed tomography protocols for quantitative lung and airway assessment. Medical Physics, 2017, 44, 4747-4757.	3.0	42
30	Radiomics of Lung Nodules: A Multi-Institutional Study of Robustness and Agreement of Quantitative Imaging Features. Tomography, 2016, 2, 430-437.	1.8	108
31	CT-derived Biomechanical Metrics Improve Agreement Between Spirometry and Emphysema. Academic Radiology, 2016, 23, 1255-1263.	2.5	26
32	Protein Kinase C η Inhibitor Promotes Resolution of Bleomycin-Induced Acute Lung Injury. American Journal of Respiratory Cell and Molecular Biology, 2016, 55, 869-877.	2.9	5
33	Computed Tomography and Magnetic Resonance Imaging for Longitudinal Characterization of Lung Structure Changes in a Yucatan Miniature Pig Silicosis Model. Toxicologic Pathology, 2016, 44, 373-381.	1.8	6
34	Consistent and reproducible positioning in longitudinal imaging for phenotyping genetically modified swine. , 2015, , .		0
35	Improved pulmonary nodule classification utilizing quantitative lung parenchyma features. Journal of Medical Imaging, 2015, 2, 041004.	1.5	44
36	Porcine cancer models for translational oncology. Molecular and Cellular Oncology, 2014, 1, e969626.	0.7	3

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37	Comparison of spirometric thresholds in diagnosing smoking-related airflow obstruction: authors' response. <i>Thorax</i> , 2014, 69, 1147-1148.	5.6	4
38	Comparison of spirometric thresholds in diagnosing smoking-related airflow obstruction. <i>Thorax</i> , 2014, 69, 410-415.	5.6	53
39	Development and translational imaging of a TP53 porcine tumorigenesis model. <i>Journal of Clinical Investigation</i> , 2014, 124, 4052-4066.	8.2	92
40	Disproportionate Contribution of Right Middle Lobe to Emphysema and Gas Trapping on Computed Tomography. <i>PLoS ONE</i> , 2014, 9, e102807.	2.5	12
41	Mitochondrial Rac1 GTPase Import and Electron Transfer from Cytochrome c Are Required for Pulmonary Fibrosis. <i>Journal of Biological Chemistry</i> , 2012, 287, 3301-3312.	3.4	78
42	Sinus hypoplasia precedes sinus infection in a porcine model of cystic fibrosis. <i>Laryngoscope</i> , 2012, 122, 1898-1905.	2.0	61
43	Exploration of the volumetric composition of human lung cancer nodules in correlated histopathology and computed tomography. <i>Lung Cancer</i> , 2011, 74, 61-68.	2.0	24
44	Longitudinal assessment of lung cancer progression in the mouse using <i>in vivo</i> micro-CT imaging. <i>Medical Physics</i> , 2010, 37, 4793-4805.	3.0	37
45	Lung structure phenotype variation in inbred mouse strains revealed through <i>in vivo</i> micro-CT imaging. <i>Journal of Applied Physiology</i> , 2010, 109, 1960-1968.	2.5	74
46	An Automated Segmentation Approach for Highlighting the Histological Complexity of Human Lung Cancer. <i>Annals of Biomedical Engineering</i> , 2010, 38, 3581-3591.	2.5	29
47	Recent technological and application developments in computed tomography and magnetic resonance imaging for improved pulmonary nodule detection and lung cancer staging. <i>Journal of Magnetic Resonance Imaging</i> , 2010, 32, 1353-1369.	3.4	75
48	Dynamic regulation of cardiolipin by the lipid pump Atp8b1 determines the severity of lung injury in experimental pneumonia. <i>Nature Medicine</i> , 2010, 16, 1120-1127.	30.7	133
49	A Process Model for Direct Correlation between Computed Tomography and Histopathology. <i>Academic Radiology</i> , 2010, 17, 169-180.	2.5	7
50	Alveolar Dynamics during Respiration. <i>American Journal of Respiratory Cell and Molecular Biology</i> , 2008, 38, 572-578.	2.9	98