Matthew D Li

List of Publications by Year
in descending order

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66 papers	2,280 citations	279798 23 h-index	233421 45 g-index
70 all docs	70 docs citations	70 times ranked	4582 citing authors

#	Article	IF	Citations
1	Hypoxaemia related to COVID-19: vascular and perfusion abnormalities on dual-energy CT. Lancet Infectious Diseases, The, 2020, 20, 1365-1366.	9.1	256
2	Abdominal Imaging Findings in COVID-19: Preliminary Observations. Radiology, 2020, 297, E207-E215.	7.3	251
3	The global landscape of stem cell clinical trials. Regenerative Medicine, 2014, 9, 27-39.	1.7	143
4	Biomanufacturing for clinically advanced cell therapies. Nature Biomedical Engineering, 2018, 2, 362-376.	22.5	127
5	Pulmonary Vascular Manifestations of COVID-19 Pneumonia. Radiology: Cardiothoracic Imaging, 2020, 2, e200277.	2.5	116
6	Automated Assessment and Tracking of COVID-19 Pulmonary Disease Severity on Chest Radiographs Using Convolutional Siamese Neural Networks. Radiology: Artificial Intelligence, 2020, 2, e200079.	5.8	105
7	Assessing the Trustworthiness of Saliency Maps for Localizing Abnormalities in Medical Imaging. Radiology: Artificial Intelligence, 2021, 3, e200267.	5.8	96
8	Integrated multi-cohort transcriptional meta-analysis of neurodegenerative diseases. Acta Neuropathologica Communications, 2014, 2, 93.	5.2	94
9	Siamese neural networks for continuous disease severity evaluation and change detection in medical imaging. Npj Digital Medicine, 2020, 3, 48.	10.9	70
10	Mouse models rarely mimic the transcriptome of human neurodegenerative diseases: A systematic bioinformatics-based critique of preclinical models. European Journal of Pharmacology, 2015, 759, 101-117.	3.5	60
11	Racial and Ethnic Disparities in Disease Severity on Admission Chest Radiographs among Patients Admitted with Confirmed Coronavirus Disease 2019: A Retrospective Cohort Study. Radiology, 2020, 297, E303-E312.	7.3	57
12	Noninterpretive Uses of Artificial Intelligence in Radiology. Academic Radiology, 2021, 28, 1225-1235.	2.5	53
13	Leukoencephalopathy Associated with Severe COVID-19 Infection: Sequela of Hypoxemia?. American Journal of Neuroradiology, 2020, 41, 1641-1645.	2.4	52
14	Insight into substrate recognition and catalysis by the human neuraminidase 3 (NEU3) through molecular modeling and site-directed mutagenesis. Glycobiology, 2010, 20, 1127-1138.	2.5	51
15	Agingâ€like changes in the transcriptome of irradiated microglia. Glia, 2015, 63, 754-767.	4.9	50
16	Is belief larger than fact: expectations, optimism and reality for translational stem cell research. BMC Medicine, 2012, 10, 133.	5.5	49
17	Paraspinal Myositis in Patients with COVID-19 Infection. American Journal of Neuroradiology, 2020, 41, 1949-1952.	2.4	45
18	Radiation-induced brain injury: low-hanging fruit for neuroregeneration. Neurosurgical Focus, 2016, 40, E3.	2.3	44

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19	Enriched Protein Screening of Human Bone Marrow Mesenchymal Stromal Cell Secretions Reveals MFAP5 and PENK as Novel IL-10 Modulators. Molecular Therapy, 2014, 22, 999-1007.	8.2	33
20	CoVA: An Acuity Score for Outpatient Screening that Predicts Coronavirus Disease 2019 Prognosis. Journal of Infectious Diseases, 2021, 223, 38-46.	4.0	31
21	Analysis of Stroke Detection during the COVID-19 Pandemic Using Natural Language Processing of Radiology Reports. American Journal of Neuroradiology, 2021, 42, 429-434.	2.4	30
22	Clinical and Neuroimaging Correlation in Patients with COVID-19. American Journal of Neuroradiology, 2020, 41, 1791-1796.	2.4	29
23	Right Ventricular Strain Is Common in Intubated COVID-19 Patients and Does Not Reflect Severity of Respiratory Illness. Journal of Intensive Care Medicine, 2021, 36, 900-909.	2.8	27
24	A Novel Resolvin-Based Strategy for Limiting Acetaminophen Hepatotoxicity. Clinical and Translational Gastroenterology, 2016, 7, e153.	2.5	26
25	Aberrant expression of the transcriptional factor Twist1 promotes invasiveness in ALK-positive anaplastic large cell lymphoma. Cellular Signalling, 2012, 24, 852-858.	3.6	25
26	Mesenchymal Stromal Cell Bioreactor for Ex Vivo Reprogramming of Human Immune Cells. Scientific Reports, 2020, 10, 10142.	3.3	24
27	Gray Matter Growth Is Accompanied by Increasing Blood Flow and Decreasing Apparent Diffusion Coefficient during Childhood. American Journal of Neuroradiology, 2016, 37, 1738-1744.	2.4	21
28	Brain Perfusion and Diffusion Abnormalities in Children Treated for Posterior Fossa Brain Tumors. Journal of Pediatrics, 2017, 185, 173-180.e3.	1.8	21
29	Same-Day Yttrium-90 Radioembolization: Feasibility with Resin Microspheres. Journal of Vascular and Interventional Radiology, 2019, 30, 314-319.	0.5	21
30	Implementation of the Radiological Society of North America Expert Consensus Guidelines on Reporting Chest CT Findings Related to COVID-19: A Multireader Performance Study. Radiology: Cardiothoracic Imaging, 2020, 2, e200276.	2.5	20
31	Therapeutic Delivery Specifications Identified Through Compartmental Analysis of a Mesenchymal Stromal Cell-Immune Reaction. Scientific Reports, 2018, 8, 6816.	3.3	18
32	Quality of Documentation of Contrast Agent Allergies in Electronic Health Records. Journal of the American College of Radiology, 2019, 16, 1027-1035.	1.8	17
33	Detection of Unsuspected Coronavirus Disease 2019 Cases by Computed Tomography and Retrospective Implementation of the Radiological Society of North America/Society of Thoracic Radiology/American College of Radiology Consensus Guidelines. Journal of Thoracic Imaging, 2020, 35, 346-353.	1.5	15
34	Multi-Radiologist User Study for Artificial Intelligence-Guided Grading of COVID-19 Lung Disease Severity on Chest Radiographs. Academic Radiology, 2021, 28, 572-576.	2.5	15
35	Children with epilepsy demonstrate macro- and microstructural changes in the thalamus, putamen, and amygdala. Neuroradiology, 2020, 62, 389-397.	2.2	12
36	Phenotypic and functional characterization of human bone marrow stromal cells in hollow-fibre bioreactors. Journal of Tissue Engineering and Regenerative Medicine, 2012, 6, 369-377.	2.7	11

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37	Artificial intelligence applied to musculoskeletal oncology: a systematic review. Skeletal Radiology, 2022, 51, 245-256.	2.0	11
38	Risk of Acute Cerebrovascular Events in Patients with COVID-19 Infection. American Journal of Neuroradiology, 2020, 41, E92-E93.	2.4	10
39	Severity of Chest Imaging is Correlated with Risk of Acute Neuroimaging Findings among Patients with COVID-19. American Journal of Neuroradiology, 2021, 42, 831-837.	2.4	10
40	Orthogonal potency analysis of mesenchymal stromal cell function during ex vivo expansion. Experimental Cell Research, 2018, 362, 102-110.	2.6	9
41	Automated tracking of emergency department abdominal CT findings during the COVID-19 pandemic using natural language processing. American Journal of Emergency Medicine, 2021, 49, 52-57.	1.6	9
42	Assessing the Severity of <scp>COVID</scp>â€19 Lung Injury in Rheumatic Diseases Versus the General Population Using Deep Learningâ€“Derived Chest Radiograph Scores. Arthritis Care and Research, 2023, 75, 657-666.	3.4	8
43	Enabling advanced cell therapies (EnACT): invitation to an online forum on resolving barriers to clinical translation. Regenerative Medicine, 2012, 7, 735-740.	1.7	7
44	Prolonged Intubation in Patients With Prior Cerebrovascular Disease and COVID-19. Frontiers in Neurology, 2021, 12, 642912.	2.4	7
45	If Itâ€™s Not One Thing, Itâ€™s Another: An Inverse Relationship of Malignancy and Atherosclerotic Disease. PLoS ONE, 2015, 10, e0126855.	2.5	7
46	AUR-RRA Review: Logistics of Academic-Industry Partnerships in Artificial Intelligence. Academic Radiology, 2021, , .	2.5	6
47	Radiology Implementation Considerations for Artificial Intelligence (AI) Applied to COVID-19, From the AJR Special Series on AI Applications. American Journal of Roentgenology, 2022, 219, 15-23.	2.2	6
48	Intubation and mortality prediction in hospitalized COVID-19 patients using a combination of convolutional neural network-based scoring of chest radiographs and clinical data. BJR|Open, 2022, 4, .	0.6	6
49	A Fluorogenic Aromatic Nucleophilic Substitution Reaction for Demonstrating Normal-Phase Chromatography and Isolation of Nitrobenzoxadiazole Chromophores. Journal of Chemical Education, 2011, 88, 98-100.	2.3	5
50	Chemoradiation impairs normal developmental cortical thinning in medulloblastoma. Journal of Neuro-Oncology, 2017, 133, 429-434.	2.9	5
51	Lung apical findings in coronavirus disease (COVID-19) infection on neck and cervical spine CT. Emergency Radiology, 2020, 27, 731-735.	1.8	5
52	Automated Radiology-Arthroscopy Correlation of Knee Meniscal Tears Using Natural Language Processing Algorithms. Academic Radiology, 2021, , .	2.5	5
53	Stromalized microreactor supports murine hematopoietic progenitor enrichment. Biomedical Microdevices, 2018, 20, 13.	2.8	4
54	Closed loop bioreactor system for the ex vivo expansion of human T cells. Cytotherapy, 2019, 21, 76-82.	0.7	3

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55	Yttrium-90 Hepatic Radioembolization for Advanced Chemorefractory Metastatic Colorectal Cancer: Survival Outcomes Based on Right- Versus Left-Sided Primary Tumor Location. American Journal of Roentgenology, 2021, 217, 1141-1152.	2.2	3
56	External COVID-19 Deep Learning Model Validation on ACR AI-LAB: It's a Brave New World. Journal of the American College of Radiology, 2022, , .	1.8	3
57	An engineered biomarker system to monitor and modulate immune clearance of cell therapies. Cytotherapy, 2017, 19, 1537-1545.	0.7	2
58	Artificial T Cell Mimetics to Combat Melanoma Tumor Growth. American Journal of Advanced Drug Delivery, 2018, 6, 21-32.	0.2	2
59	Beyond the AJR: â€œMachine-Learning, MRI Bone Shape and Important Clinical Outcomes in Osteoarthritis: Data From the Osteoarthritis Initiativeâ€• American Journal of Roentgenology, 2021, 217, 522-522.	2.2	1
60	Motion degradation in optic nerve MRI: A randomized intraindividual comparison study of eye states. European Journal of Radiology, 2021, 142, 109865.	2.6	1
61	MULTIPLEX META-ANALYSIS OF MEDULLOBLASTOMA EXPRESSION STUDIES WITH EXTERNAL CONTROLS. , 2013, , .		0
62	Effects of intermittent T-cell cluster disaggregation on proliferative capacity and checkpoint marker expression. Autoimmunity, 2019, 52, 102-107.	2.6	0
63	Chest CT Scanning in Suspected Stroke: Not Always Worth the Extra Mile. American Journal of Neuroradiology, 2020, 41, E86-E87.	2.4	0
64	Putting the Pieces Together: Deep Learning for Knee MRI Multitissue Abnormality Detection and Severity Grading. Radiology: Artificial Intelligence, 2021, 3, e210022.	5.8	0
65	Radiologist-level Scaphoid Fracture Detection: Next Steps for Clinical Application. Radiology: Artificial Intelligence, 2021, 3, e210111.	5.8	0
66	Pulmonary Infarction due to Paget-Schroetter Syndrome and Nephrotic Syndrome. American Journal of Case Reports, 2019, 20, 1679-1683.	0.8	0