Matthew D Li

List of Publications by Year
in descending order

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66 papers	2,280 citations	318942 23 h-index	263392 45 g-index
70 all docs	70 docs citations	70 times ranked	4912 citing authors

#	Article	IF	Citations
1	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.	1.5	8
2	Artificial intelligence applied to musculoskeletal oncology: a systematic review. Skeletal Radiology, 2022, 51, 245-256.	1.2	11
3	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.	1.0	6
4	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, .	0.4	6
5	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, , .	0.9	3
6	Noninterpretive Uses of Artificial Intelligence in Radiology. Academic Radiology, 2021, 28, 1225-1235.	1.3	53
7	CoVA: An Acuity Score for Outpatient Screening that Predicts Coronavirus Disease 2019 Prognosis. Journal of Infectious Diseases, 2021, 223, 38-46.	1.9	31
8	Automated Radiology-Arthroscopy Correlation of Knee Meniscal Tears Using Natural Language Processing Algorithms. Academic Radiology, 2021, , .	1.3	5
9	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.	1.2	10
10	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.	1.3	27
11	Prolonged Intubation in Patients With Prior Cerebrovascular Disease and COVID-19. Frontiers in Neurology, 2021, 12, 642912.	1.1	7
12	Putting the Pieces Together: Deep Learning for Knee MRI Multitissue Abnormality Detection and Severity Grading. Radiology: Artificial Intelligence, 2021, 3, e210022.	3.0	0
13	Multi-Radiologist User Study for Artificial Intelligence-Guided Grading of COVID-19 Lung Disease Severity on Chest Radiographs. Academic Radiology, 2021, 28, 572-576.	1.3	15
14	Radiologist-level Scaphoid Fracture Detection: Next Steps for Clinical Application. Radiology: Artificial Intelligence, 2021, 3, e210111.	3.0	0
15	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.	1.0	1
16	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.	1.0	3
17	Motion degradation in optic nerve MRI: A randomized intraindividual comparison study of eye states. European Journal of Radiology, 2021, 142, 109865.	1.2	1
18	AUR-RRA Review: Logistics of Academic-Industry Partnerships in Artificial Intelligence. Academic Radiology, 2021, , .	1.3	6

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19	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.	0.7	9
20	Analysis of Stroke Detection during the COVID-19 Pandemic Using Natural Language Processing of Radiology Reports. American Journal of Neuroradiology, 2021, 42, 429-434.	1.2	30
21	Assessing the Trustworthiness of Saliency Maps for Localizing Abnormalities in Medical Imaging. Radiology: Artificial Intelligence, 2021, 3, e200267.	3.0	96
22	Children with epilepsy demonstrate macro- and microstructural changes in the thalamus, putamen, and amygdala. Neuroradiology, 2020, 62, 389-397.	1.1	12
23	Risk of Acute Cerebrovascular Events in Patients with COVID-19 Infection. American Journal of Neuroradiology, 2020, 41, E92-E93.	1.2	10
24	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.	0.8	15
25	Lung apical findings in coronavirus disease (COVID-19) infection on neck and cervical spine CT. Emergency Radiology, 2020, 27, 731-735.	1.0	5
26	Paraspinal Myositis in Patients with COVID-19 Infection. American Journal of Neuroradiology, 2020, 41, 1949-1952.	1.2	45
27	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.	3.6	57
28	Automated Assessment and Tracking of COVID-19 Pulmonary Disease Severity on Chest Radiographs Using Convolutional Siamese Neural Networks. Radiology: Artificial Intelligence, 2020, 2, e200079.	3.0	105
29	Chest CT Scanning in Suspected Stroke: Not Always Worth the Extra Mile. American Journal of Neuroradiology, 2020, 41, E86-E87.	1.2	0
30	Clinical and Neuroimaging Correlation in Patients with COVID-19. American Journal of Neuroradiology, 2020, 41, 1791-1796.	1.2	29
31	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.	0.9	20
32	Abdominal Imaging Findings in COVID-19: Preliminary Observations. Radiology, 2020, 297, E207-E215.	3.6	251
33	Mesenchymal Stromal Cell Bioreactor for Ex Vivo Reprogramming of Human Immune Cells. Scientific Reports, 2020, 10, 10142.	1.6	24
34	Pulmonary Vascular Manifestations of COVID-19 Pneumonia. Radiology: Cardiothoracic Imaging, 2020, 2, e200277.	0.9	116
35	Leukoencephalopathy Associated with Severe COVID-19 Infection: Sequela of Hypoxemia?. American Journal of Neuroradiology, 2020, 41, 1641-1645.	1.2	52
36	Hypoxaemia related to COVID-19: vascular and perfusion abnormalities on dual-energy CT. Lancet Infectious Diseases, The, 2020, 20, 1365-1366.	4.6	256

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37	Siamese neural networks for continuous disease severity evaluation and change detection in medical imaging. Npj Digital Medicine, 2020, 3, 48.	5.7	70
38	Effects of intermittent T-cell cluster disaggregation on proliferative capacity and checkpoint marker expression. Autoimmunity, 2019, 52, 102-107.	1.2	0
39	Quality of Documentation of Contrast Agent Allergies in Electronic Health Records. Journal of the American College of Radiology, 2019, 16, 1027-1035.	0.9	17
40	Same-Day Yttrium-90 Radioembolization: Feasibility with Resin Microspheres. Journal of Vascular and Interventional Radiology, 2019, 30, 314-319.	0.2	21
41	Closed loop bioreactor system for the ex vivo expansion of human T cells. Cytotherapy, 2019, 21, 76-82.	0.3	3
42	Pulmonary Infarction due to Paget-Schroetter Syndrome and Nephrotic Syndrome. American Journal of Case Reports, 2019, 20, 1679-1683.	0.3	0
43	Stromalized microreactor supports murine hematopoietic progenitor enrichment. Biomedical Microdevices, 2018, 20, 13.	1.4	4
44	Orthogonal potency analysis of mesenchymal stromal cell function during ex vivo expansion. Experimental Cell Research, 2018, 362, 102-110.	1.2	9
45	Therapeutic Delivery Specifications Identified Through Compartmental Analysis of a Mesenchymal Stromal Cell-Immune Reaction. Scientific Reports, 2018, 8, 6816.	1.6	18
46	Biomanufacturing for clinically advanced cell therapies. Nature Biomedical Engineering, 2018, 2, 362-376.	11.6	127
47	Artificial T Cell Mimetics to Combat Melanoma Tumor Growth. American Journal of Advanced Drug Delivery, 2018, 6, 21-32.	0.1	2
48	Brain Perfusion and Diffusion Abnormalities in Children Treated for Posterior Fossa Brain Tumors. Journal of Pediatrics, 2017, 185, 173-180.e3.	0.9	21
49	Chemoradiation impairs normal developmental cortical thinning in medulloblastoma. Journal of Neuro-Oncology, 2017, 133, 429-434.	1.4	5
50	An engineered biomarker system to monitor and modulate immune clearance of cell therapies. Cytotherapy, 2017, 19, 1537-1545.	0.3	2
51	Radiation-induced brain injury: low-hanging fruit for neuroregeneration. Neurosurgical Focus, 2016, 40, E3.	1.0	44
52	Gray Matter Growth Is Accompanied by Increasing Blood Flow and Decreasing Apparent Diffusion Coefficient during Childhood. American Journal of Neuroradiology, 2016, 37, 1738-1744.	1.2	21
53	A Novel Resolvin-Based Strategy for Limiting Acetaminophen Hepatotoxicity. Clinical and Translational Gastroenterology, 2016, 7, e153.	1.3	26
54	Agingâ€like changes in the transcriptome of irradiated microglia. Glia, 2015, 63, 754-767.	2.5	50

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55	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.	1.7	60
56	If Itâ€™s Not One Thing, Itâ€™s Another: An Inverse Relationship of Malignancy and Atherosclerotic Disease. PLoS ONE, 2015, 10, e0126855.	1.1	7
57	Integrated multi-cohort transcriptional meta-analysis of neurodegenerative diseases. Acta Neuropathologica Communications, 2014, 2, 93.	2.4	94
58	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.	3.7	33
59	The global landscape of stem cell clinical trials. Regenerative Medicine, 2014, 9, 27-39.	0.8	143
60	MULTIPLEX META-ANALYSIS OF MEDULLOBLASTOMA EXPRESSION STUDIES WITH EXTERNAL CONTROLS. , 2013, , .		0
61	Enabling advanced cell therapies (EnACT): invitation to an online forum on resolving barriers to clinical translation. Regenerative Medicine, 2012, 7, 735-740.	0.8	7
62	Is belief larger than fact: expectations, optimism and reality for translational stem cell research. BMC Medicine, 2012, 10, 133.	2.3	49
63	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.	1.3	11
64	Aberrant expression of the transcriptional factor Twist1 promotes invasiveness in ALK-positive anaplastic large cell lymphoma. Cellular Signalling, 2012, 24, 852-858.	1.7	25
65	A Fluorogenic Aromatic Nucleophilic Substitution Reaction for Demonstrating Normal-Phase Chromatography and Isolation of Nitrobenzoxadiazole Chromophores. Journal of Chemical Education, 2011, 88, 98-100.	1.1	5
66	Insight into substrate recognition and catalysis by the human neuraminidase 3 (NEU3) through molecular modeling and site-directed mutagenesis. Glycobiology, 2010, 20, 1127-1138.	1.3	51