

Kristen W Yeom

List of Publications by Year in descending order

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Version: 2024-02-01

100
papers

4,350
citations

236925

25
h-index

123424

61
g-index

102
all docs

102
docs citations

102
times ranked

7166
citing authors

#	ARTICLE	IF	CITATIONS
1	Age-dependent Intracranial Artery Morphology in Healthy Children. <i>Clinical Neuroradiology</i> , 2022, 32, 49-56.	1.9	1
2	Machine learning approach to differentiation of peripheral schwannomas and neurofibromas: A multi-center study. <i>Neuro-Oncology</i> , 2022, 24, 601-609.	1.2	8
3	MRI Correlates of Ototoxicity in the Auditory Pathway in Children Treated for Medulloblastoma. <i>Otology and Neurotology</i> , 2022, 43, e97-e104.	1.3	2
4	Radiomic signatures of posterior fossa ependymoma: Molecular subgroups and risk profiles. <i>Neuro-Oncology</i> , 2022, 24, 986-994.	1.2	8
5	Automatic Lung Nodule Segmentation and Intra-Nodular Heterogeneity Image Generation. <i>IEEE Journal of Biomedical and Health Informatics</i> , 2022, 26, 2570-2581.	6.3	13
6	Attention-guided deep learning for gestational age prediction using fetal brain MRI. <i>Scientific Reports</i> , 2022, 12, 1408.	3.3	15
7	Improved prediction of postoperative pediatric cerebellar mutism syndrome using an artificial neural network. <i>Neuro-Oncology Advances</i> , 2022, 4, vdac003.	0.7	2
8	GD2-CAR T cell therapy for H3K27M-mutated diffuse midline gliomas. <i>Nature</i> , 2022, 603, 934-941.	27.8	339
9	ADC Histogram Analysis of Pediatric Low-Grade Glioma Treated with Selumetinib: A Report from the Pediatric Brain Tumor Consortium. <i>American Journal of Neuroradiology</i> , 2022, 43, 455-461.	2.4	3
10	Spatiotemporal changes in along-tract profilometry of cerebellar peduncles in cerebellar mutism syndrome. <i>NeuroImage: Clinical</i> , 2022, 35, 103000.	2.7	3
11	Radiomics Can Distinguish Pediatric Supratentorial Embryonal Tumors, High-Grade Gliomas, and Ependymomas. <i>American Journal of Neuroradiology</i> , 2022, 43, 603-610.	2.4	5
12	Acetazolamide-Challenged Arterial Spin Labeling Detects Augmented Cerebrovascular Reserve After Surgery for Moyamoya. <i>Stroke</i> , 2022, 53, 1354-1362.	2.0	6
13	MRI Radiogenomics of Pediatric Medulloblastoma: A Multicenter Study. <i>Radiology</i> , 2022, 304, 406-416.	7.3	27
14	MR Imaging of Pediatric Brain Tumors. <i>Diagnostics</i> , 2022, 12, 961.	2.6	9
15	IMG-02. Improved prediction of postoperative paediatric cerebellar mutism syndrome using an artificial neural network. <i>Neuro-Oncology</i> , 2022, 24, i76-i77.	1.2	0
16	Simultaneous time of flight-MRA and T2* imaging for cerebrovascular MRI. <i>Neuroradiology</i> , 2021, 63, 243-251.	2.2	2
17	Artificial intelligence in stroke imaging: Current and future perspectives. <i>Clinical Imaging</i> , 2021, 69, 246-254.	1.5	43
18	MRI-based radiomics for prognosis of pediatric diffuse intrinsic pontine glioma: an international study. <i>Neuro-Oncology Advances</i> , 2021, 3, vdab042.	0.7	14

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19	Artificial intelligence for automatic cerebral ventricle segmentation and volume calculation: a clinical tool for the evaluation of pediatric hydrocephalus. <i>Journal of Neurosurgery: Pediatrics</i> , 2021, 27, 131-138.	1.3	17
20	Radiomics of Pediatric Low-Grade Gliomas: Toward a Pretherapeutic Differentiation of BRAF-Mutated and BRAF-Fused Tumors. <i>American Journal of Neuroradiology</i> , 2021, 42, 759-765.	2.4	32
21	Multi-classifier-based identification of COVID-19 from chest computed tomography using generalizable and interpretable radiomics features. <i>European Journal of Radiology</i> , 2021, 136, 109552.	2.6	25
22	EPCT-14. GD2 CAR T-CELLS MEDIATE CLINICAL ACTIVITY AND MANAGEABLE TOXICITY IN CHILDREN AND YOUNG ADULTS WITH H3K27M-MUTATED DIPG AND SPINAL CORD DMG. <i>Neuro-Oncology</i> , 2021, 23, i49-i50.	1.2	6
23	Machine-Learning Approach to Differentiation of Benign and Malignant Peripheral Nerve Sheath Tumors: A Multicenter Study. <i>Neurosurgery</i> , 2021, 89, 509-517.	1.1	7
24	Abstract CT031: GD2 CAR T cells mediate clinical activity and manageable toxicity in children and young adults with DIPG and H3K27M-mutated diffuse midline gliomas. , 2021, , .		7
25	Listening to Mom in the NICU: effects of increased maternal speech exposure on language outcomes and white matter development in infants born very preterm. <i>Trials</i> , 2021, 22, 444.	1.6	7
26	Radiomic Phenotypes Distinguish Atypical Teratoid/Rhabdoid Tumors from Medulloblastoma. <i>American Journal of Neuroradiology</i> , 2021, 42, 1702-1708.	2.4	12
27	Machine Assist for Pediatric Posterior Fossa Tumor Diagnosis: A Multinational Study. <i>Neurosurgery</i> , 2021, 89, 892-900.	1.1	8
28	Current Perspectives of Artificial Intelligence in Pediatric Neuroradiology: An Overview. <i>Frontiers in Radiology</i> , 2021, 1, .	2.0	5
29	Deep COVID DeteCT: an international experience on COVID-19 lung detection and prognosis using chest CT. <i>Npj Digital Medicine</i> , 2021, 4, 11.	10.9	34
30	Clinical Artificial Intelligence Applications in Radiology. <i>Radiologic Clinics of North America</i> , 2021, 59, 1003-1012.	1.8	5
31	Early Diffusion Magnetic Resonance Imaging Changes in Normal-Appearing Brain in Pediatric Moyamoya Disease. <i>Neurosurgery</i> , 2020, 86, 530-537.	1.1	9
32	Molecular correlates of cerebellar mutism syndrome in medulloblastoma. <i>Neuro-Oncology</i> , 2020, 22, 290-297.	1.2	21
33	Deep Learning for Automated Classification of Inferior Vena Cava Filter Types on Radiographs. <i>Journal of Vascular and Interventional Radiology</i> , 2020, 31, 66-73.	0.5	15
34	Altered cerebral perfusion in children with Langerhans cell histiocytosis after chemotherapy. <i>Pediatric Blood and Cancer</i> , 2020, 67, e28104.	1.5	1
35	Children with epilepsy demonstrate macro- and microstructural changes in the thalamus, putamen, and amygdala. <i>Neuroradiology</i> , 2020, 62, 389-397.	2.2	12
36	Congenital Hearing Loss Is Associated With a High Incidence of Central Nervous System Abnormalities. <i>Otology and Neurotology</i> , 2020, 41, 1397-1405.	1.3	2

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37	Brain Iron Assessment after Ferumoxytol-enhanced MRI in Children and Young Adults with Arteriovenous Malformations: A Case-Control Study. <i>Radiology</i> , 2020, 297, 438-446.	7.3	6
38	Deep Learning for Pediatric Posterior Fossa Tumor Detection and Classification: A Multi-Institutional Study. <i>American Journal of Neuroradiology</i> , 2020, 41, 1718-1725.	2.4	31
39	Decoding and Systematization of Medical Imaging Features of Multiple Human Malignancies. <i>Radiology Imaging Cancer</i> , 2020, 2, e190079.	1.6	5
40	Neonatal genetic epilepsies display convergent white matter microstructural abnormalities. <i>Epilepsia</i> , 2020, 61, e192-e197.	5.1	3
41	Association of Pediatric Acute-Onset Neuropsychiatric Syndrome With Microstructural Differences in Brain Regions Detected via Diffusion-Weighted Magnetic Resonance Imaging. <i>JAMA Network Open</i> , 2020, 3, e204063.	5.9	25
42	Response assessment in paediatric low-grade glioma: recommendations from the Response Assessment in Pediatric Neuro-Oncology (RAPNO) working group. <i>Lancet Oncology</i> , The, 2020, 21, e305-e316.	10.7	115
43	Neonatal Brain Microstructure and Machine-Learning-Based Prediction of Early Language Development in Children Born Very Preterm. <i>Pediatric Neurology</i> , 2020, 108, 86-92.	2.1	23
44	Variable Refocusing Flip Angle Single-Shot Imaging for Sedation-Free Fast Brain MRI. <i>American Journal of Neuroradiology</i> , 2020, 41, 1256-1262.	2.4	1
45	End-to-end automatic differentiation of the coronavirus disease 2019 (COVID-19) from viral pneumonia based on chest CT. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , 2020, 47, 2516-2524.	6.4	64
46	Cerebral volume and diffusion MRI changes in children with sensorineural hearing loss. <i>NeuroImage: Clinical</i> , 2020, 27, 102328.	2.7	7
47	Utilization of Novel High-Resolution, MRI-Based Vascular Imaging Modality for Preoperative Stereoelectroencephalography Planning in Children: A Technical Note. <i>Stereotactic and Functional Neurosurgery</i> , 2020, 98, 1-7.	1.5	5
48	Radiology artificial intelligence, a systematic evaluation of methods (RAISE): a systematic review protocol. <i>Insights Into Imaging</i> , 2020, 11, 133.	3.4	9
49	IMG-03. RESPONSE ASSESSMENT IN PEDIATRIC LOW-GRADE GLIOMA: RECOMMENDATIONS FROM THE RESPONSE ASSESSMENT IN PEDIATRIC NEURO-ONCOLOGY (RAPNO) WORKING GROUP. <i>Neuro-Oncology</i> , 2020, 22, iii355-iii355.	1.2	0
50	Deep Learning for Automated Delineation of Pediatric Cerebral Arteries on Pre-operative Brain Magnetic Resonance Imaging. <i>Frontiers in Surgery</i> , 2020, 7, 517375.	1.4	6
51	Learning-based single-step quantitative susceptibility mapping reconstruction without brain extraction. <i>NeuroImage</i> , 2019, 202, 116064.	4.2	44
52	Prediction of Gait Impairment in Toddlers Born Preterm From Near-Term Brain Microstructure Assessed With DTI, Using Exhaustive Feature Selection and Cross-Validation. <i>Frontiers in Human Neuroscience</i> , 2019, 13, 305.	2.0	9
53	Deep Learning-Assisted Diagnosis of Cerebral Aneurysms Using the HeadXNet Model. <i>JAMA Network Open</i> , 2019, 2, e195600.	5.9	163
54	A Review of Chronic Leukoencephalopathy among Survivors of Childhood Cancer. <i>Pediatric Neurology</i> , 2019, 101, 2-10.	2.1	11

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55	Arterial spin-labeling cerebral perfusion changes after revascularization surgery in pediatric moyamoya disease and syndrome. <i>Journal of Neurosurgery: Pediatrics</i> , 2019, 23, 486-492.	1.3	19
56	Long-Term Supratentorial Radiologic Effects of Surgery and Local Radiation in Children with Infratentorial Ependymoma. <i>World Neurosurgery</i> , 2019, 122, e1300-e1304.	1.3	3
57	Quantification of Macrophages in High-Grade Gliomas by Using Ferumoxytol-enhanced MRI: A Pilot Study. <i>Radiology</i> , 2019, 290, 198-206.	7.3	61
58	Age-Dependent White Matter Characteristics of the Cerebellar Peduncles from Infancy Through Adolescence. <i>Cerebellum</i> , 2019, 18, 372-387.	2.5	23
59	MR Imaging-Based Radiomic Signatures of Distinct Molecular Subgroups of Medulloblastoma. <i>American Journal of Neuroradiology</i> , 2019, 40, 154-161.	2.4	87
60	Reduced field of view echo-planar imaging diffusion tensor MRI for pediatric spinal tumors. <i>Journal of Neurosurgery: Spine</i> , 2019, 31, 607-615.	1.7	4
61	Diffusion tensor magnetic resonance imaging of the optic nerves in pediatric hydrocephalus. <i>Neurosurgical Focus</i> , 2019, 47, E16.	2.3	2
62	Ferumoxytol-enhanced MRI for surveillance of pediatric cerebral arteriovenous malformations. <i>Journal of Neurosurgery: Pediatrics</i> , 2019, 24, 407-414.	1.3	4
63	Prediction of cognitive and motor development in preterm children using exhaustive feature selection and cross-validation of near-term white matter microstructure. <i>NeuroImage: Clinical</i> , 2018, 17, 667-679.	2.7	31
64	Brain Diffusion Abnormalities in Children with Tension-Type and Migraine-Type Headaches. <i>American Journal of Neuroradiology</i> , 2018, 39, 935-941.	2.4	9
65	Radiomics in Brain Tumor: Image Assessment, Quantitative Feature Descriptors, and Machine-Learning Approaches. <i>American Journal of Neuroradiology</i> , 2018, 39, 208-216.	2.4	281
66	The Utility of Collaterals as a Biomarker in Pediatric Unilateral Intracranial Arteriopathy. <i>Pediatric Neurology</i> , 2018, 78, 27-34.	2.1	8
67	Framework for shape analysis of white matter fiber bundles. <i>NeuroImage</i> , 2018, 167, 466-477.	4.2	20
68	Isolated Intraorbital Frontosphenoidal Synostosis. <i>Journal of Craniofacial Surgery</i> , 2018, 29, 82-87.	0.7	5
69	Clinical Evaluation of Silent T1-Weighted MRI and Silent MR Angiography of the Brain. <i>American Journal of Roentgenology</i> , 2018, 210, 404-411.	2.2	35
70	RADI-03. ASL PERFUSION IMAGING OF THE FRONTAL LOBES PREDICTS THE OCCURRENCE AND RESOLUTION OF POSTERIOR FOSSA SYNDROME. <i>Neuro-Oncology</i> , 2018, 20, i170-i170.	1.2	1
71	Deep-learning-assisted diagnosis for knee magnetic resonance imaging: Development and retrospective validation of MRNet. <i>PLoS Medicine</i> , 2018, 15, e1002699.	8.4	409
72	Deep learning for chest radiograph diagnosis: A retrospective comparison of the CheXNeXt algorithm to practicing radiologists. <i>PLoS Medicine</i> , 2018, 15, e1002686.	8.4	773

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73	Rapid-sequence brain magnetic resonance imaging for Chiari I abnormality. <i>Journal of Neurosurgery: Pediatrics</i> , 2018, 22, 158-164.	1.3	11
74	Revealing sub-voxel motions of brain tissue using phase-based amplified MRI (aMRI). <i>Magnetic Resonance in Medicine</i> , 2018, 80, 2549-2559.	3.0	61
75	Safety of Dynamic Magnetic Resonance Imaging of the Cervical Spine in Children Performed without Neurosurgical Supervision. <i>World Neurosurgery</i> , 2018, 116, e1188-e1193.	1.3	7
76	Development of an optogenetic toolkit for neural circuit dissection in squirrel monkeys. <i>Scientific Reports</i> , 2018, 8, 6775.	3.3	28
77	High-resolution 3D volumetric contrast-enhanced MR angiography with a blood pool agent (ferumoxytol) for diagnostic evaluation of pediatric brain arteriovenous malformations. <i>Journal of Neurosurgery: Pediatrics</i> , 2018, 22, 251-260.	1.3	15
78	Sclerotherapy for lymphatic malformations of the head and neck in the pediatric population. <i>Journal of NeuroInterventional Surgery</i> , 2017, 9, 1023-1026.	3.3	29
79	Brain Perfusion and Diffusion Abnormalities in Children Treated for Posterior Fossa Brain Tumors. <i>Journal of Pediatrics</i> , 2017, 185, 173-180.e3.	1.8	21
80	Chemoradiation impairs normal developmental cortical thinning in medulloblastoma. <i>Journal of Neuro-Oncology</i> , 2017, 133, 429-434.	2.9	5
81	The role of angiogenesis in Group 3 medulloblastoma pathogenesis and survival. <i>Neuro-Oncology</i> , 2017, 19, 1217-1227.	1.2	53
82	A PET/MR Imaging Approach for the Integrated Assessment of Chemotherapy-induced Brain, Heart, and Bone Injuries in Pediatric Cancer Survivors: A Pilot Study. <i>Radiology</i> , 2017, 285, 971-979.	7.3	9
83	Gray Matter Growth Is Accompanied by Increasing Blood Flow and Decreasing Apparent Diffusion Coefficient during Childhood. <i>American Journal of Neuroradiology</i> , 2016, 37, 1738-1744.	2.4	21
84	Computational Identification of Tumor Anatomic Location Associated with Survival in 2 Large Cohorts of Human Primary Glioblastomas. <i>American Journal of Neuroradiology</i> , 2016, 37, 621-628.	2.4	27
85	Case Series: Fractional Anisotropy Profiles of the Cerebellar Peduncles in Adolescents Born Preterm With Ventricular Dilation. <i>Journal of Child Neurology</i> , 2016, 31, 321-327.	1.4	5
86	Intensity-Corrected Dual-Echo Echo-Planar Imaging (DE-EPI) for Improved Pediatric Brain Diffusion Imaging. <i>PLoS ONE</i> , 2015, 10, e0129325.	2.5	1
87	Effect of Number of Acquisitions in Diffusion Tensor Imaging of the Pediatric Brain: Optimizing Scan Time and Diagnostic Experience. <i>Journal of Neuroimaging</i> , 2015, 25, 296-302.	2.0	5
88	Congenital Brain Malformations in the Neonatal and Early Infancy Period. <i>Seminars in Ultrasound, CT and MRI</i> , 2015, 36, 97-119.	1.5	6
89	Citrate concentrations increase with hypoperfusion in pediatric diffuse intrinsic pontine glioma. <i>Journal of Neuro-Oncology</i> , 2015, 122, 383-389.	2.9	14
90	Tract Profiles of the Cerebellar White Matter Pathways in Children and Adolescents. <i>Cerebellum</i> , 2015, 14, 613-623.	2.5	27

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91	Focal Cerebral Arteriopathy: The Face With Many Names. <i>Pediatric Neurology</i> , 2015, 53, 247-252.	2.1	14
92	Clinical applications of iron oxide nanoparticles for magnetic resonance imaging of brain tumors. <i>Nanomedicine</i> , 2015, 10, 993-1018.	3.3	98
93	Magnetic resonance image features identify glioblastoma phenotypic subtypes with distinct molecular pathway activities. <i>Science Translational Medicine</i> , 2015, 7, 303ra138.	12.4	227
94	Neonatal brain microstructure correlates of neurodevelopment and gait in preterm children 18â€“22 mo of age: an MRI and DTI study. <i>Pediatric Research</i> , 2015, 78, 700-708.	2.3	45
95	Susceptibility-weighted imaging and quantitative susceptibility mapping in the brain. <i>Journal of Magnetic Resonance Imaging</i> , 2015, 42, 23-41.	3.4	407
96	Successful Treatment with Temozolomide Combined with Chemoradiotherapy and Surgery of a Metastatic Undifferentiated Soft Tissue Sarcoma with Relapse in the Central Nervous System of a Young Adult. <i>Journal of Adolescent and Young Adult Oncology</i> , 2014, 3, 100-103.	1.3	0
97	Semiautomatic segmentation and follow-up of multicomponent low-grade tumors in longitudinal brain MRI studies. <i>Medical Physics</i> , 2014, 41, 052303.	3.0	23
98	Tectal pineal cyst in a 1-year-old girl. <i>Human Pathology</i> , 2014, 45, 653-656.	2.0	3
99	Distinctive MRI Features of Pediatric Medulloblastoma Subtypes. <i>American Journal of Roentgenology</i> , 2013, 200, 895-903.	2.2	91
100	Comparison of Readout-Segmented Echo-Planar Imaging (EPI) and Single-Shot EPI in Clinical Application of Diffusion-Weighted Imaging of the Pediatric Brain. <i>American Journal of Roentgenology</i> , 2013, 200, W437-W443.	2.2	69