

# Steve C N Hui

## List of Publications by Year in descending order

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39  
papers

842  
citations

567144

15  
h-index

610775

24  
g-index

53  
all docs

53  
docs citations

53  
times ranked

1060  
citing authors

#	ARTICLE	IF	CITATIONS
1	Osprey: Open-source processing, reconstruction & estimation of magnetic resonance spectroscopy data. <i>Journal of Neuroscience Methods</i> , 2020, 343, 108827.	1.3	108
2	Radiation dose of digital radiography (DR) versus micro-dose x-ray (EOS) on patients with adolescent idiopathic scoliosis: 2016 SOSORT- IRSSD â€œJohn Sevastic Awardâ€•Winner in Imaging Research. <i>Scoliosis and Spinal Disorders</i> , 2016, 11, 46.	2.3	67
3	Comparison of different linearâ€œcombination modeling algorithms for shortâ€œTE proton spectra. <i>NMR in Biomedicine</i> , 2021, 34, e4482.	1.6	53
4	Upright, prone, and supine spinal morphology and alignment in adolescent idiopathic scoliosis. <i>Scoliosis and Spinal Disorders</i> , 2017, 12, 6.	2.3	52
5	Observed changes in brown, white, hepatic and pancreatic fat after bariatric surgery: Evaluation with MRI. <i>European Radiology</i> , 2019, 29, 849-856.	2.3	34
6	Quantification of brown and white adipose tissue based on Gaussian mixture model using waterâ€œfat and MRI in adolescents. <i>Journal of Magnetic Resonance Imaging</i> , 2017, 46, 758-768.	1.9	32
7	Frequency drift in MR spectroscopy at 3T. <i>NeuroImage</i> , 2021, 241, 118430.	2.1	28
8	Comparison of linear combination modeling strategies for edited magnetic resonance spectroscopy at 3AT. <i>NMR in Biomedicine</i> , 2022, 35, e4618.	1.6	26
9	Asymmetry of the Vertebral Body and Pedicles in the True Transverse Plane in Adolescent Idiopathic Scoliosis: A CT-Based Study. <i>Spine Deformity</i> , 2017, 5, 37-45.	0.7	25
10	Volumetric changes in cerebellar regions in adolescent idiopathic scoliosis compared with healthy controls. <i>Spine Journal</i> , 2013, 13, 1904-1911.	0.6	24
11	Variation in Anisotropy and Diffusivity along the Medulla Oblongata and the Whole Spinal Cord in Adolescent Idiopathic Scoliosis: A Pilot Study Using Diffusion Tensor Imaging. <i>American Journal of Neuroradiology</i> , 2014, 35, 1621-1627.	1.2	24
12	The relationship between pancreas steatosis and the risk of metabolic syndrome and insulin resistance in Chinese adolescents with concurrent obesity and <scp>nonâ€œalcoholic</scp> fatty liver disease. <i>Pediatric Obesity</i> , 2020, 15, e12653.	1.4	24
13	Anterior-posterior length discrepancy of the spinal column in adolescent idiopathic scoliosisâ€œa 3D CT study. <i>Spine Journal</i> , 2018, 18, 2259-2265.	0.6	23
14	Magnetic Resonance Imaging-Based Morphological Change of Paraspinal Muscles in Girls With Adolescent Idiopathic Scoliosis. <i>Spine</i> , 2019, 44, 1356-1363.	1.0	23
15	Frequency and phase correction of Jâ€œdifference edited MR spectra using deep learning. <i>Magnetic Resonance in Medicine</i> , 2021, 85, 1755-1765.	1.9	23
16	Effect of Age on GABA+ and Glutathione in a Pediatric Sample. <i>American Journal of Neuroradiology</i> , 2020, 41, 1099-1104.	1.2	22
17	Automated segmentation of abdominal subcutaneous adipose tissue and visceral adipose tissue in obese adolescent in MRI. <i>Magnetic Resonance Imaging</i> , 2018, 45, 97-104.	1.0	20
18	Validation of water-fat MRI and proton MRS in assessment of hepatic fat and the heterogeneous distribution of hepatic fat and iron in subjects with non-alcoholic fatty liver disease. <i>European Journal of Radiology</i> , 2018, 107, 7-13.	1.2	20

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19	<scp>MRSCloud</scp>: A cloud-based<scp>MRS</scp> tool for basis set simulation. Magnetic Resonance in Medicine, 2022, 88, 1994-2004.	1.9	19
20	Altered White Matter Microstructure in the Corpus Callosum and Its Cerebral Interhemispheric Tracts in Adolescent Idiopathic Scoliosis: Diffusion Tensor Imaging Analysis. American Journal of Neuroradiology, 2018, 39, 1177-1184.	1.2	18
21	Application of Multimodal MR Imaging on Studying Alzheimer's Disease: A Survey. Current Alzheimer Research, 2013, 10, 877-892.	0.7	18
22	The macromolecular MR spectrum does not change with healthy aging. Magnetic Resonance in Medicine, 2022, 87, 1711-1719.	1.9	18
23	Altered Topological Organization of Cortical Network in Adolescent Girls with Idiopathic Scoliosis. PLoS ONE, 2013, 8, e83767.	1.1	15
24	MRI-based morphological evidence of spinal cord tethering predicts curve progression in adolescent idiopathic scoliosis. Spine Journal, 2015, 15, 1391-1401.	0.6	13
25	Ethical principles and standards for the conduct of biomedical research and publication. Australasian Physical and Engineering Sciences in Medicine, 2015, 38, 377-380.	1.4	13
26	Supplementary Addendum to "Radiation dose of digital radiography (DR) versus micro-dose x-ray (EOS) on patients with adolescent idiopathic scoliosis: 2016 SOSORT-IRSSD" John Sevastic Award Winner in Imaging Research Scoliosis and Spinal Disorders, 2018, 13, 1.	2.3	13
27	Adaptive Distance Metric Learning for Diffusion Tensor Image Segmentation. PLoS ONE, 2014, 9, e92069.	1.1	11
28	Increased Glutamate in Somatosensory Cortex in Functional Dyspepsia. Scientific Reports, 2017, 7, 3926.	1.6	11
29	Dietitian-led lifestyle modification programme for obese Chinese adolescents with non-alcoholic fatty liver disease: a randomized controlled study. International Journal of Obesity, 2018, 42, 1680-1690.	1.6	10
30	Implications of Abdominal Adipose Tissue Distribution on Nonalcoholic Fatty Liver Disease and Metabolic Syndrome: A Chinese General Population Study. Clinical and Translational Gastroenterology, 2021, 12, e00300.	1.3	9
31	Simultaneous edited MRS of GABA, glutathione, and ethanol. NMR in Biomedicine, 2020, 33, e4227.	1.6	7
32	Importance of Linear Combination Modeling for Quantification of Glutathione and $\hat{I}^3$ -Aminobutyric Acid Levels Using Hadamard-Edited Magnetic Resonance Spectroscopy. Frontiers in Psychiatry, 2022, 13, 872403.	1.3	7
33	In vivo spectral editing of phosphorylethanolamine. Magnetic Resonance in Medicine, 2022, 87, 50-56.	1.9	4
34	Influence of editing pulse flip angle on J-difference MR spectroscopy. Magnetic Resonance in Medicine, 2022, 87, 589-596.	1.9	4
35	Cumulative Radiation Dose from Radiography in Preterm Infants during Hospitalisation. Hong Kong Journal of Radiology, 0, , 183-191.	0.1	3
36	Edited magnetic resonance spectroscopy in the neonatal brain. Neuroradiology, 2022, 64, 217-232.	1.1	2

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37	Altered anisotropy and diffusivity of medulla oblongata and spinal cord in adolescent idiopathic scoliosis. <i>Scoliosis</i> , 2015, 10, .	0.4	1
38	Spinal cord morphology predicts curve progression in adolescent idiopathic scoliosis treated with bracing? A prospective cohort study with magnetic resonance imaging. <i>Scoliosis</i> , 2015, 10, .	0.4	1
39	Upright, prone and supine spinal morphology in adolescent idiopathic scoliosis. <i>Spine Journal</i> , 2016, 16, S81.	0.6	0